

Starkey Laboratories, Inc.

Edge AI RIC 312

FCC 15.247:2024

RSS-247 Issue 3:2023

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

Bluetooth Low Energy (DTS) Radio

Report: STAK0333.1 Rev. 0, Issue Date: July 22, 2024

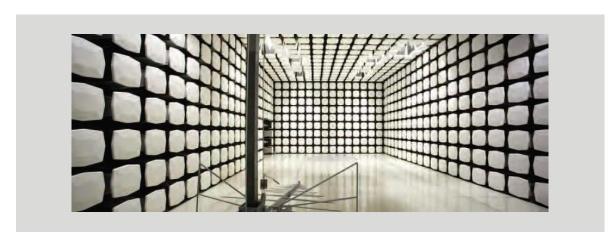






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CERTIFICATE OF TEST



Last Date of Test: June 11, 2024 Starkey Laboratories, Inc. EUT: Edge Al RIC 312

Radio Equipment Testing

Standards

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

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%)	N/A	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:

Chuck Heller, Operations Manager Signed for and on behalf of Element

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.

REVISION HISTORY



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

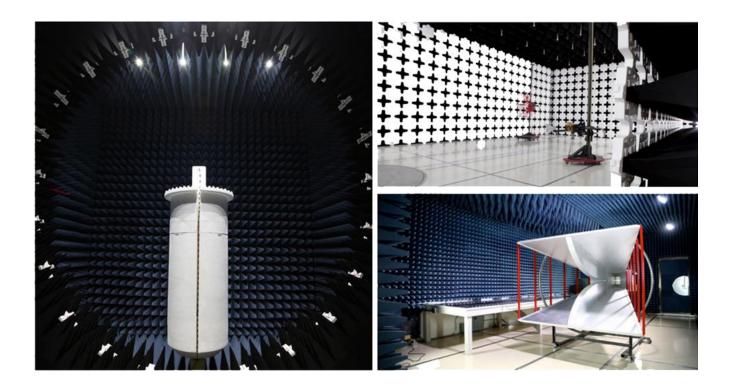


Testing was performed at the following location(s)

	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

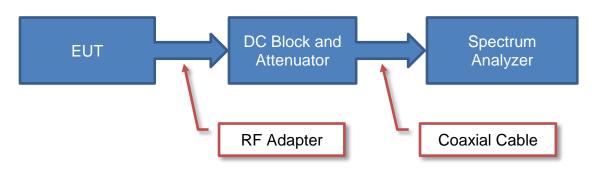


Measurement Bandwidths

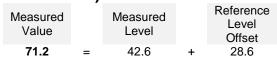
Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (kHz)
0.01 - 0.15	1.0	0.2	0.2
0.15 - 30.0	10.0	9.0	9.0
30.0 - 1000	100.0	120.0	120.0
Above 1000	1000.0	N/A	1000.0

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

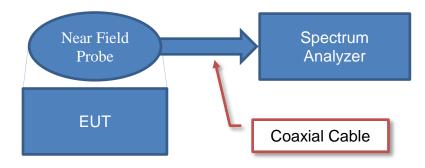
Antenna Port Conducted Measurements



Sample Calculation (logarithmic units)



Near Field Test Fixture Measurements



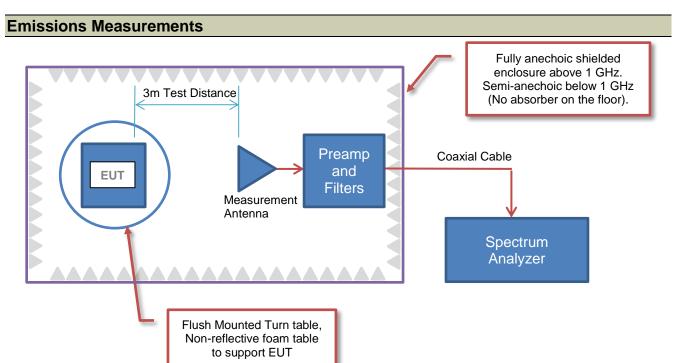
Sample Calculation (logarithmic units)

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

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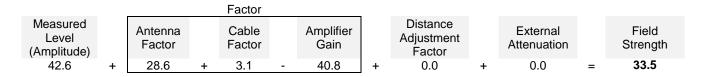
TEST SETUP BLOCK DIAGRAMS



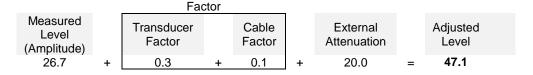


Sample Calculation (logarithmic units)

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

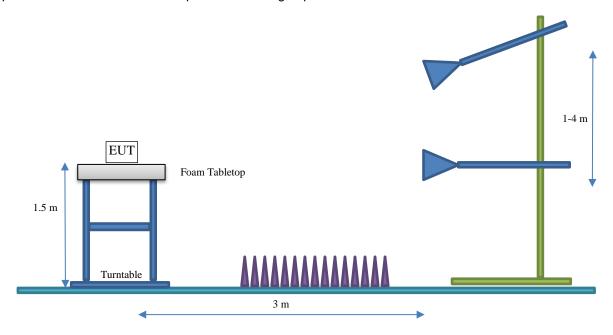
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TEST SETUP BLOCK DIAGRAMS



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 RIC 312
First Date of Test:	May 24, 2024
Last Date of Test:	June 11, 2024
Receipt Date of Samples:	March 22, 2024
Equipment Design Stage:	Prototype
Equipment Condition:	No Damage
Purchase Authorization:	Verified

Information Provided by the Party Requesting the Test

Functional Descri	ption of the EUT:
Hearing aid with BL	∟E and NFMI

Testing Objective:

To demonstrate compliance of the Bluetooth Low Energy (DTS) 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	1.4

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 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 STAK0346-2

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Edge Al RIC 312	Starkey	P00002200	240748867

Configuration STAK0346-4

EUT						
Description	Manufacturer	Model/Part Number	Serial Number			
Edge AI RIC 312 (conducted)	Starkey	P00002200	240748876			

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MODIFICATIONS



Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	2024-05-24	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	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.
5	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.
6	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.
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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OCCUPIED BANDWIDTH (99%)



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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OCCUPIED BANDWIDTH (99%)



EUT:	Edge Al RIC 312	Work Order:	STAK0346
Serial Number:	240748876	Date:	2024-06-11
Customer:	Starkey Laboratories, Inc.	Temperature:	22°C
Attendees:	John Quach	Relative Humidity:	47.3%
Customer Project:	None	Bar. Pressure (PMSL):	1009 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	Zinc-air Battery	Configuration:	STAK0346-4

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

Clither Houten

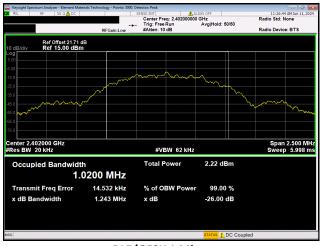
TEST RESULTS

	Value	Limit	Result
BLE/GFSK 1 Mbps			
Low Chann	el, 2402 MHz 1.02 MHz	z N/A	N/A
Mid Chann	el, 2442 MHz 1.02 MHz	z N/A	N/A
High Chann	el, 2480 MHz 1.02 MHz	z N/A	N/A
BLE/GFSK 2 Mbps			
Low Chann	el, 2402 MHz 2.011 MH	z N/A	N/A
Mid Chann	el, 2442 MHz 2.012 MH	z N/A	N/A
High Chann	el, 2480 MHz 2.013 MH	z N/A	N/A

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OCCUPIED BANDWIDTH (99%)

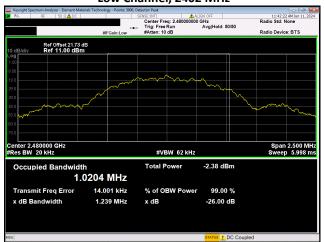


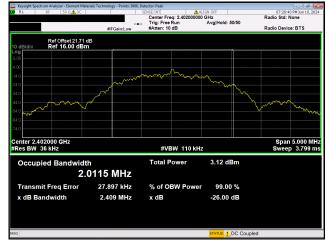




BLE/GFSK 1 Mbps Low Channel, 2402 MHz

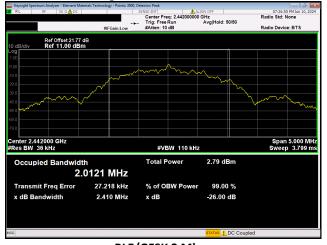
BLE/GFSK 1 Mbps Mid Channel, 2442 MHz

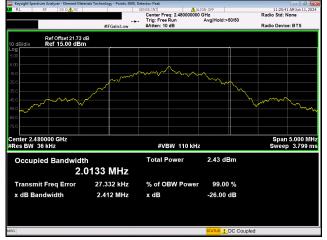




BLE/GFSK 1 Mbps High Channel, 2480 MHz

BLE/GFSK 2 Mbps Low Channel, 2402 MHz





BLE/GFSK 2 Mbps Mid Channel, 2442 MHz

BLE/GFSK 2 Mbps High Channel, 2480 MHz

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DUTY CYCLE



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 RF Power Sensor capable of 1 million samples per second, which only measures across the high time of the burst of the carrier. The measured level was offset by the cable loss, attenuator, and DC block that was used between the power sensor and EUT. This offset was determined prior to testing using a signal generator and 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

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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DUTY CYCLE



EUT:	Edge Al RIC 312	Work Order:	STAK0346
Serial Number:	240748876	Date:	2024-06-11
Customer:	Starkey Laboratories, Inc.	Temperature:	22°C
Attendees:	John Quach	Relative Humidity:	47%
Customer Project:	None	Bar. Pressure (PMSL):	1010 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	Zinc-air Battery	Configuration:	STAK0346-4

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+A12019+A2:2021	

COMMENTS

+4dBm Power Setting

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

N/A

Tested By

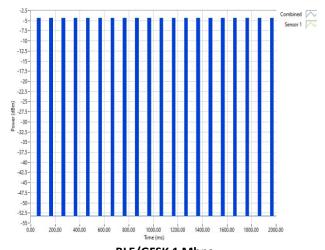
TEST RESULTS

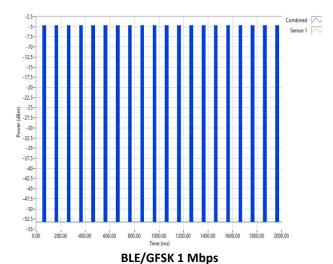
		Duty	Passilta
BLE/GFSK 1 Mbps		Cycle (%)	Results
	Low Channel, 2402 MHz	17.995	N/A
	Mid Channel, 2442 MHz	18.003	N/A
	High Channel, 2480 MHz	18.522	N/A
BLE/GFSK 2 Mbps			
	Low Channel, 2402 MHz	16.575	N/A
	Mid Channel, 2442 MHz	16.135	N/A
	High Channel, 2480 MHz	17.021	N/A

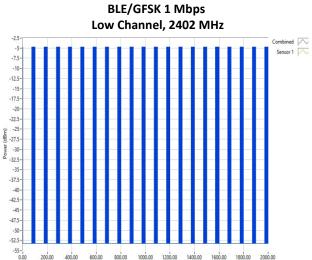
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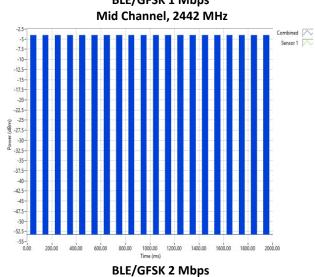
DUTY CYCLE

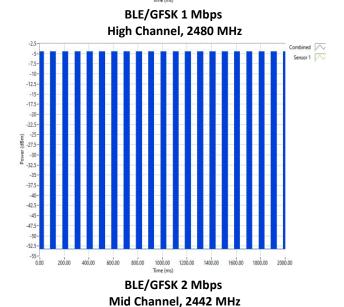


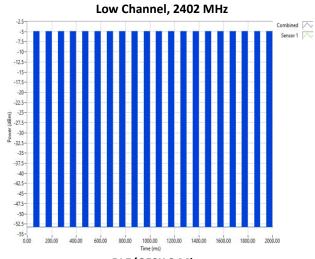












BLE/GFSK 2 Mbps High Channel, 2480 MHz

Report No. STAK0333.1 21/50

DTS BANDWIDTH (6 dB)



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

Report No. STAK0333.1 22/50

DTS BANDWIDTH (6 dB)



EUT:	Edge Al RIC 312	Work Order:	STAK0346
Serial Number:	240748876	Date:	2024-06-11
Customer:	Starkey Laboratories, Inc.	Temperature:	22°C
Attendees:	John Quach	Relative Humidity:	47.6%
Customer Project:	None	Bar. Pressure (PMSL):	1009 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	Zinc-air Battery	Configuration:	STAK0346-4

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

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TEST RESULTS

		Value	Limit (≥)	Result
BLE/GFSK 1 Mbps		value	(=)	Result
	Low Channel, 2402 MHz	691.269 kHz	500 kHz	Pass
	Mid Channel, 2442 MHz	695.713 kHz	500 kHz	Pass
	High Channel, 2480 MHz	692.188 kHz	500 kHz	Pass
BLE/GFSK 2 Mbps				
	Low Channel, 2402 MHz	1.162 MHz	500 kHz	Pass
	Mid Channel, 2442 MHz	1.175 MHz	500 kHz	Pass
	High Channel, 2480 MHz	1.178 MHz	500 kHz	Pass

Report No. STAK0333.1 23/50

DTS BANDWIDTH (6 dB)

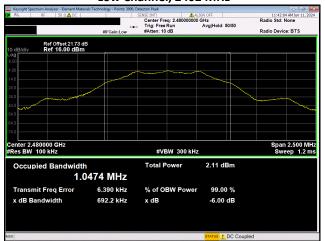


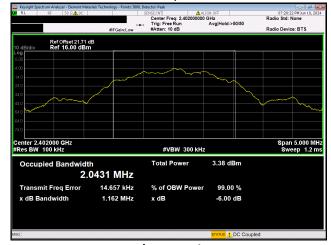




BLE/GFSK 1 Mbps Low Channel, 2402 MHz

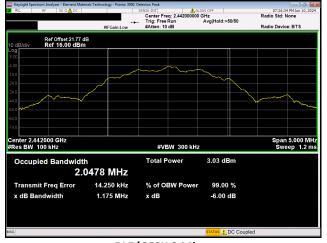
BLE/GFSK 1 Mbps Mid Channel, 2442 MHz





BLE/GFSK 1 Mbps High Channel, 2480 MHz

BLE/GFSK 2 Mbps Low Channel, 2402 MHz





BLE/GFSK 2 Mbps Mid Channel, 2442 MHz

BLE/GFSK 2 Mbps High Channel, 2480 MHz

Report No. STAK0333.1 24/50

OUTPUT POWER



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

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. STAK0333.1 25/50

OUTPUT POWER



EUT:	Edge Al RIC 312	Work Order:	STAK0346
Serial Number:	240748876	Date:	2024-06-11
Customer:	Starkey Laboratories, Inc.	Temperature:	22°C
Attendees:	John Quach	Relative Humidity:	46.9%
Customer Project:	None	Bar. Pressure (PMSL):	1009 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	Zinc-air Battery	Configuration:	STAK0346-4

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

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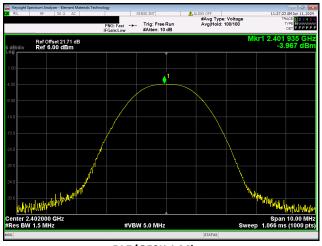
TEST RESULTS

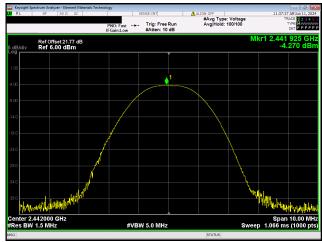
	Out Pwr (dBm)	Limit (dBm)	Result
BLE/GFSK 1 Mbps	(dbiii)	(ubili)	Result
Low Channel, 2	402 MHz -3.967	30	Pass
Mid Channel, 2	.442 MHz -4.27	30	Pass
High Channel, 2	480 MHz -4.255	30	Pass
BLE/GFSK 2 Mbps			
Low Channel, 2	402 MHz -3.662	30	Pass
Mid Channel, 2	442 MHz -3.95	30	Pass
High Channel, 2	480 MHz -4.299	30	Pass

Report No. STAK0333.1 26/50

OUTPUT POWER

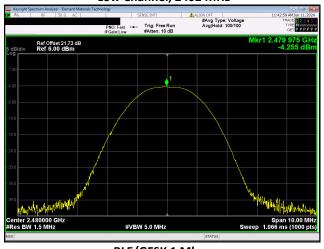


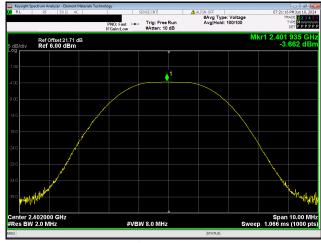




BLE/GFSK 1 Mbps Low Channel, 2402 MHz

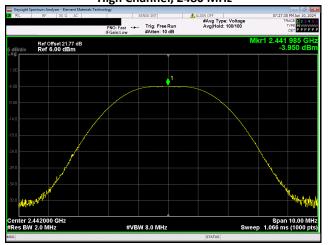
BLE/GFSK 1 Mbps Mid Channel, 2442 MHz





BLE/GFSK 1 Mbps High Channel, 2480 MHz

BLE/GFSK 2 Mbps Low Channel, 2402 MHz





BLE/GFSK 2 Mbps Mid Channel, 2442 MHz

BLE/GFSK 2 Mbps High Channel, 2480 MHz

Report No. STAK0333.1 27/50

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. STAK0333.1 28/50

EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)



EUT:	Edge Al RIC 312	Work Order:	STAK0346
Serial Number:	240748876	Date:	2024-06-11
Customer:	Starkey Laboratories, Inc.	Temperature:	22°C
Attendees:	John Quach	Relative Humidity:	47.1%
Customer Project:	None	Bar. Pressure (PMSL):	1009 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	Zinc-air Battery	Configuration:	STAK0346-4

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

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TEST RESULTS

		Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
BLE/GFSK 1 Mbps						
	Low Channel, 2402 MHz	-3.967	1.4	-2.567	36	Pass
	Mid Channel, 2442 MHz	-4.27	1.4	-2.87	36	Pass
	High Channel, 2480 MHz	-4.255	1.4	-2.855	36	Pass
BLE/GFSK 2 Mbps						
	Low Channel, 2402 MHz	-3.662	1.4	-2.262	36	Pass
	Mid Channel, 2442 MHz	-3.95	1.4	-2.55	36	Pass
	High Channel, 2480 MHz	-4.299	1.4	-2.899	36	Pass

Report No. STAK0333.1 29/50

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

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. STAK0333.1 30/50

POWER SPECTRAL DENSITY



EUT:	Edge Al RIC 312	Work Order:	STAK0346
Serial Number:	240748876	Date:	2024-06-11
Customer:	Starkey Laboratories, Inc.	Temperature:	22°C
Attendees:	John Quach	Relative Humidity:	47.8%
Customer Project:	None	Bar. Pressure (PMSL):	1010 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	Zinc-air Battery	Configuration:	STAK0346-4

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

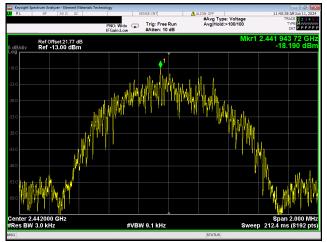
	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
BLE/GFSK 1 Mbps			
Low Channel, 2402 MHz	-17.645	8	Pass
Mid Channel, 2442 MHz	-18.19	8	Pass
High Channel, 2480 MHz	-17.84	8	Pass
BLE/GFSK 2 Mbps	1	ı	
Low Channel, 2402 MHz	-20.664	8	Pass
Mid Channel, 2442 MHz	-21.227	8	Pass
High Channel, 2480 MHz	-22.06	8	Pass

Report No. STAK0333.1 31/50

POWER SPECTRAL DENSITY

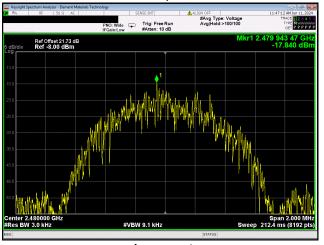


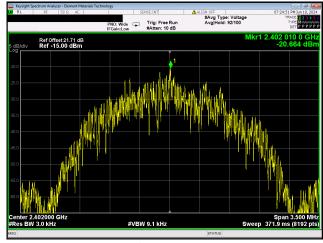




BLE/GFSK 1 Mbps Low Channel, 2402 MHz

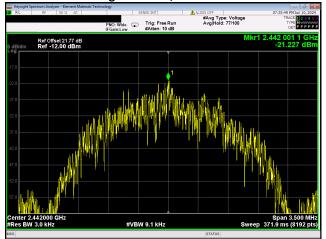
BLE/GFSK 1 Mbps Mid Channel, 2442 MHz

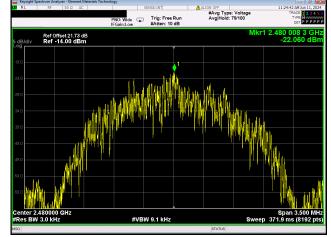




BLE/GFSK 1 Mbps High Channel, 2480 MHz

BLE/GFSK 2 Mbps Low Channel, 2402 MHz





BLE/GFSK 2 Mbps Mid Channel, 2442 MHz

BLE/GFSK 2 Mbps High Channel, 2480 MHz

Report No. STAK0333.1 32/50

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. STAK0333.1 33/50

BAND EDGE COMPLIANCE



EUT:	Edge Al RIC 312	Work Order:	STAK0346
Serial Number:	240748876	Date:	2024-06-11
Customer:	Starkey Laboratories, Inc.	Temperature:	22°C
Attendees:	John Quach	Relative Humidity:	48%
Customer Project:	None	Bar. Pressure (PMSL):	1009 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	Zinc-air Battery	Configuration:	STAK0346-4

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

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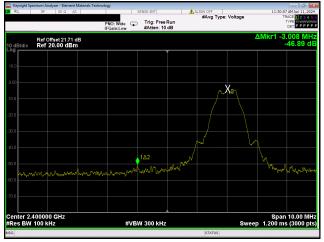
TEST RESULTS

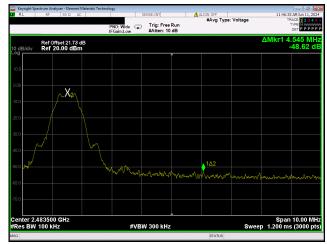
		Value (dBc)	Limit ≤ (dBc)	Result
BLE/GFSK 1 Mbps				
	Low Channel, 2402 MHz	-46.89	-20	Pass
	High Channel, 2480 MHz	-48.62	-20	Pass
BLE/GFSK 2 Mbps				
	Low Channel, 2402 MHz	-33.75	-20	Pass
	High Channel, 2480 MHz	-48.07	-20	Pass

Report No. STAK0333.1 34/50

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. STAK0333.1 35/50

SPURIOUS CONDUCTED EMISSIONS



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. STAK0333.1 36/50



EUT:	Edge Al RIC 312	Work Order:	STAK0346
Serial Number:	240748876	Date:	2024-06-11
Customer:	Starkey Laboratories, Inc.	Temperature:	22°C
Attendees:	John Quach	Relative Humidity:	48.3%
Customer Project:	None	Bar. Pressure (PMSL):	1009 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	Zinc-air Battery	Configuration:	STAK0346-4

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

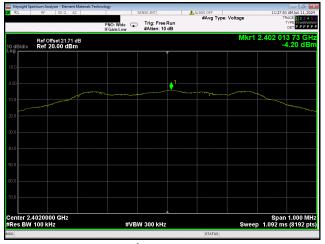
Tested By

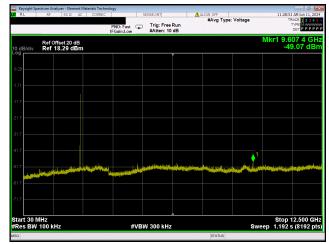
TEST RESULTS

	Frequency	Measured	Max Value	Limit	Decult
BLE/GFSK 1 Mbps	Range	Freq (MHz)	(dBc)	≤ (dBc)	Result
	For demonstrat	0.400.04	N1/A	N1/A	N1/A
Low Channel, 2402 MHz	Fundamental	2402.01	N/A	N/A	N/A
	30 MHz - 12.5 GHz	9607.44	-44.87	-20	Pass
	12.5 GHz - 25 GHz	24743.62	-32.08	-20	Pass
Mid Channel, 2442 MHz	Fundamental	2442.01	N/A	N/A	N/A
	30 MHz - 12.5 GHz	1859.93	-38.55	-20	Pass
	12.5 GHz - 25 GHz	24920.64	-32.96	-20	Pass
High Channel, 2480 MHz	Fundamental	2480.01	N/A	N/A	N/A
	30 MHz - 12.5 GHz	12242.71	-44.98	-20	Pass
	12.5 GHz - 25 GHz	24873.34	-31.83	-20	Pass
BLE/GFSK 2 Mbps					
Low Channel, 2402 MHz	Fundamental	2402.02	N/A	N/A	N/A
	30 MHz - 12.5 GHz	3167.67	-45.03	-20	Pass
	12.5 GHz - 25 GHz	24800.09	-33.13	-20	Pass
Mid Channel, 2442 MHz	Fundamental	2442.01	N/A	N/A	N/A
	30 MHz - 12.5 GHz	9767.29	-42.32	-20	Pass
	12.5 GHz - 25 GHz	24867.23	-32.94	-20	Pass
High Channel, 2480 MHz	Fundamental	2480.01	N/A	N/A	N/A
-	30 MHz - 12.5 GHz	9919.53	-43.27	-20	Pass
	12.5 GHz - 25 GHz	24995.42	-32.02	-20	Pass

Report No. STAK0333.1 37/50







BLE/GFSK 1 Mbps Low Channel, 2402 MHz

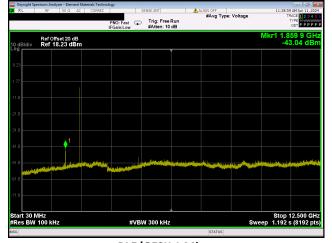
BLE/GFSK 1 Mbps Low Channel, 2402 MHz

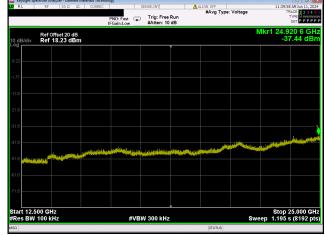




BLE/GFSK 1 Mbps Low Channel, 2402 MHz

BLE/GFSK 1 Mbps Mid Channel, 2442 MHz





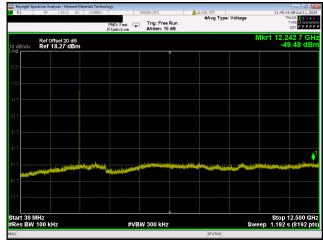
BLE/GFSK 1 Mbps Mid Channel, 2442 MHz

BLE/GFSK 1 Mbps Mid Channel, 2442 MHz

Report No. STAK0333.1 38/50

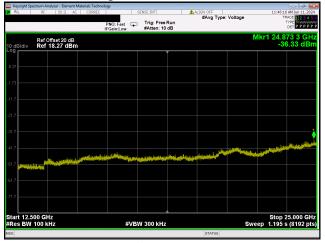


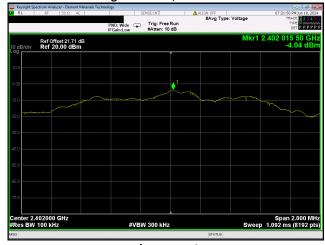




BLE/GFSK 1 Mbps High Channel, 2480 MHz

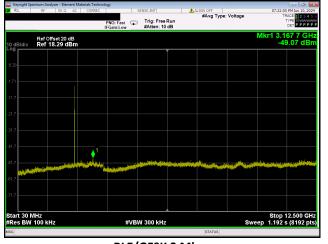
BLE/GFSK 1 Mbps High Channel, 2480 MHz

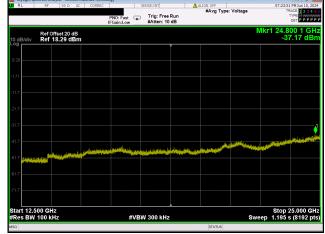




BLE/GFSK 1 Mbps High Channel, 2480 MHz

BLE/GFSK 2 Mbps Low Channel, 2402 MHz





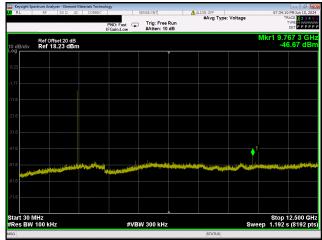
BLE/GFSK 2 Mbps Low Channel, 2402 MHz

BLE/GFSK 2 Mbps Low Channel, 2402 MHz

Report No. STAK0333.1 39/50



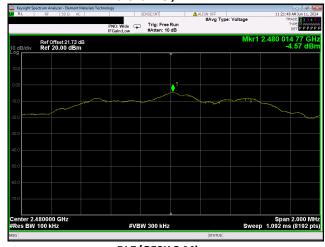




BLE/GFSK 2 Mbps Mid Channel, 2442 MHz

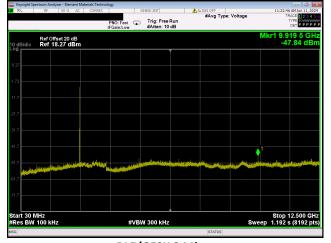
BLE/GFSK 2 Mbps Mid Channel, 2442 MHz

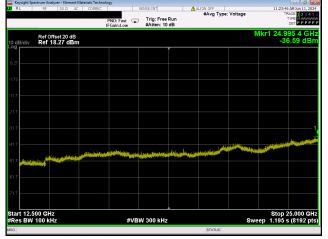




BLE/GFSK 2 Mbps Mid Channel, 2442 MHz

BLE/GFSK 2 Mbps High Channel, 2480 MHz





BLE/GFSK 2 Mbps High Channel, 2480 MHz

BLE/GFSK 2 Mbps High Channel, 2480 MHz

Report No. STAK0333.1 40/50



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
	· ·	Double Ridge Guide Horn			
Cable	ESM Cable Corp.	Cables	MNI	2024-01-08	2025-01-08
Amplifier - Pre-Amplifier	Miteq	AMF-3D-00100800-32-13P	AVT	2024-01-08	2025-01-08
	Fairview				
Attenuator	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

Report No. STAK0333.1 41/50



FREQUENCY RANGE INVESTIGATED

30 MHz TO 26500 MHz

POWER INVESTIGATED

Zinc Battery

CONFIGURATIONS INVESTIGATED

STAK0346-2

MODES INVESTIGATED

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

Report No. STAK0333.1 42/50



EUT:	Edge Al RIC 312	Work Order:	STAK0346
Serial Number:	240748867	Date:	2024-05-24
Customer:	Starkey Laboratories, Inc.	Temperature:	22°C
Attendees:	John Quach	Relative Humidity:	46.9%
Customer Project:	None	Bar. Pressure (PMSL):	1011 mb
Tested By:	Marcelo Aguayo	Job Site:	MN05
Power:	Zinc Battery	Configuration:	STAK0346-2

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.247:2024	ANSI C63.10:2013

TEST PARAMETERS

Run #:	66	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)

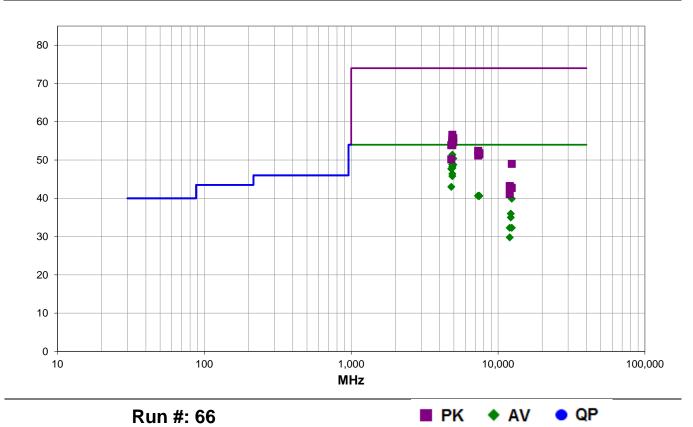
COMMENTS

EUT OPERATING MODES

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

DEVIATIONS FROM TEST STANDARD

Power +4dBm.Test mode duty cycle is 22.34% (1 Mbps) and 16.39% (2 Mbps), operational duty cycle is 17% (1 Mbps) and 17% (2 Mbps). Duty cycle correction factor (DCCF) applied using DCCF=[10*log(1/test mode DC)]+[10*log(operational DC)]=-1.2 dB (1 Mbps) or 0.1 dB (2 Mbps)



Report No. STAK0333.1 43/50



RESULTS - Run #66

ARRESTITES 1	RESULTS - Run #66													
4883.833	Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Duty Cycle Correction Factor (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
## ## ## ## ## ## ## ## ## ## ## ## ##	4883.967	47.1	5.1	3.9	285.0	-1.2	0.0	Horz	AV	0.0	51	54.0	-3	EUT Vert, Mid Ch 1Mbps
4883.868	4883.933	46.3	5.1	3.5	127.0	-1.2	0.0	Vert	AV	0.0	50.2	54.0	-3.8	EUT On Side, Mid Ch 1Mbps
488.8925 44.5 5.1 2.4 365.5 -1.2 0.0 Nort AV 0.0 48.4 54.0 -5.6 EUT On Side, Mid Ch 1Mbps	4959.883	46.0	5.2	3.7	112.0	-1.2	0.0	Horz	AV	0.0	50	54.0	-4	EUT Vert, High Ch 1Mbps
## ## ## ## ## ## ## ## ## ## ## ## ##	4883.858	44.6	5.1	1.8	326.9	-1.2	0.0	Horz	AV	0.0	48.5	54.0	-5.5	EUT Horz, Mid Ch 1Mbps
## ## ## ## ## ## ## ## ## ## ## ## ##	4883.925	44.5	5.1	2.4	355.9	-1.2	0.0	Horz	AV	0.0	48.4	54.0	-5.6	EUT On Side, Mid Ch 1Mbps
4883.942 43.6 5.1 3.2 2880 -1.2 0.0 Vert AV 0.0 47.5 54.0 -6.5 EUT Vert, Mid Ch 1Maps 4803.923 43.4 5.1 4.0 273.0 -1.2 0.0 Vert AV 0.0 47.3 54.0 -8.7 EUT On Side, Low Ch 1Maps 4884.034 41.2 5.1 3.8 128.9 0.1 0.0 Nert AV 0.0 48.4 54.0 -7.6 EUT Vert, Mid Ch 2Maps 4884.033 40.6 5.1 3.0 286.0 0.1 0.0 Nert AV 0.0 48.6 54.0 -8.5 EUT On Side, Mid Ch 2Maps 4884.033 28.7 5.1 1.4 279.9 -1.2 0.0 Nert AV 0.0 42.6 54.0 -11.4 EUT Vert, Low Ch 1Maps 4803.910 38.7 5.1 1.4 279.9 -1.2 0.0 Nert AV 0.0 42.6 54.0 -11.4 EUT Vert, Low Ch 1Maps 7440.433 28.0 12.5 1.5 284.9 -1.2 0.0 Nert AV 0.0 40.3 54.0 -13.7 EUT On Side, Mid Ch 1Maps 7442.000 28.9 12.5 1.5 1.0 -1.2 0.0 Nert AV 0.0 40.3 54.0 -13.7 EUT On Side, Mid Ch 1Maps 7442.000 28.9 12.5 1.5 1.0 -1.2 0.0 Horz AV 0.0 40.2 54.0 -13.8 EUT Vert, Mid Ch 1Maps 7442.000 28.9 12.5 1.5 1.0 -1.2 0.0 Horz AV 0.0 40.2 54.0 -13.8 EUT Vert, Mid Ch 1Maps 7442.000 37.6 -0.8 2.8 188.9 -1.2 0.0 Horz AV 0.0 35.5 54.0 -14.8 EUT Vert, Mid Ch 1Maps 12398.890 41.5 -0.8 2.4 86.0 -1.2 0.0 Horz AV 0.0 35.6 54.0 -14.8 EUT Vert, Mid Ch 1Maps 12200.030 37.6 -0.8 2.4 86.0 -1.2 0.0 Vert AV 0.0 55.7 74.0 -18.4 EUT Vert, Mid Ch 1Maps 4884.155 50.6 5.1 3.3 328.0 0.0 0.0 Horz PK 0.0 55.7 74.0 -18.4 EUT Vert, Mid Ch 1Maps 4884.125 49.7 5.1 3.3 283.9 0.0 0.0 Nert AV 0.0 54.6 74.0 -18.8 EUT Vert, Mid Ch 1Maps 4884.425 49.6 5.1 3.3 283.9 0.0 0.0 Nert PK 0.0 54.7 74.0 -19.3 EUT Nort, Mid Ch 1Maps 4884.425 49.6 5.1 3.2 286.0 0.0 0.0 Nert PK 0.0 54.7 74.0 -19.3 EUT Nort, Mid Ch 1Maps 4884.425 49.8 5.1 3.2 2.8	4959.867	44.4	5.2	2.8	336.0	-1.2	0.0	Vert	AV	0.0	48.4	54.0	-5.6	EUT On Side, High Ch 1Mbps
## ## ## ## ## ## ## ## ## ## ## ## ##	4883.958	44.0	5.1	1.3	293.9	-1.2	0.0	Vert	AV	0.0	47.9	54.0	-6.1	EUT Horz, Mid Ch 1Mbps
### ### ### ### ### ### ### ### ### ##	4883.942	43.6	5.1	3.2	268.0	-1.2	0.0	Vert	AV	0.0	47.5	54.0	-6.5	EUT Vert, Mid Ch 1Mbps
## ## ## ## ## ## ## ## ## ## ## ## ##	4803.923	43.4	5.1	4.0	279.0	-1.2	0.0	Vert	AV	0.0	47.3	54.0	-6.7	EUT On Side, Low Ch 1Mbps
## ## ## ## ## ## ## ## ## ## ## ## ##	4884.042	41.2	5.1	3.8	128.9	0.1	0.0	Horz	AV	0.0	46.4	54.0	-7.6	EUT Vert, Mid Ch 2Mbps
T323.633 29.1 12.4 1.5 350.0 -1.2 0.0 Vert AV 0.0 40.3 54.0 -13.7 EUT On Side, Mid Ch 1Mbps T440.433 29.0 12.5 1.5 294.9 -1.2 0.0 Vert AV 0.0 40.3 54.0 -13.7 EUT On Side, High Ch 1Mbps T325.317 29.0 12.4 1.5 0.0 -1.2 0.0 Horz AV 0.0 40.2 54.0 -13.8 EUT Vert, High Ch 1Mbps T442.000 28.9 12.6 1.5 1.0 -1.2 0.0 Horz AV 0.0 40.2 54.0 -13.8 EUT Vert, High Ch 1Mbps T442.000 28.9 12.5 1.5 1.0 -1.2 0.0 Horz AV 0.0 40.2 54.0 -13.8 EUT Vert, High Ch 1Mbps T442.000 28.9 12.5 1.5 1.0 -1.2 0.0 Horz AV 0.0 39.5 54.0 -14.5 EUT Vert, High Ch 1Mbps T448.3417 51.5 5.1 3.9 285.0 0.0 0.0 Horz AV 0.0 39.5 54.0 -14.5 EUT Vert, High Ch 1Mbps T448.3417 51.5 5.1 3.9 285.0 0.0 0.0 Horz PK 0.0 55.7 74.0 -17.4 EUT Vert, Hid Ch 1Mbps T448.34558 50.6 5.1 3.5 339.0 0.0 0.0 Horz PK 0.0 55.7 74.0 -18.3 EUT Vert, Hid Ch 1Mbps T448.34558 50.6 5.1 3.5 339.0 0.0 0.0 Horz PK 0.0 55.7 74.0 -18.3 EUT Vert, Hid Ch 1Mbps T448.3452 49.6 5.1 3.3 128.9 0.0 0.0 Horz PK 0.0 55.7 74.0 -18.8 EUT Vert, Hid Ch 2Mbps T448.3452 49.7 5.1 3.3 293.9 0.0 0.0 Horz PK 0.0 54.7 74.0 -19.4 EUT Vert, Mid Ch 1Mbps T448.3452 49.6 5.1 3.3 283.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.3 EUT On Side, Mid Ch 1Mbps T448.3452 49.6 5.1 3.3 283.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.3 EUT On Side, Mid Ch 1Mbps T448.3452 49.6 5.1 3.3 283.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.3 EUT On Side, Mid Ch 1Mbps T448.3452 49.6 5.1 3.3 283.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.3 EUT On Side, Mid Ch 1Mbps T448.3452 49.6 5.1 3.2 286.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.3 EUT On Side, Mid Ch 1Mbps T448.3452 49.6 5.1 3.0 286.0 0.0	4884.033	40.6	5.1	3.0	286.0	0.1	0.0	Vert	AV	0.0	45.8	54.0	-8.2	EUT On Side, Mid Ch 2Mbps
7440.433 29.0 12.5 1.5 294.9 -1.2 0.0 Vert AV 0.0 40.3 54.0 -13.7 EUT On Side, High Ch 1Mbps 7325.317 29.0 12.4 1.5 0.0 -1.2 0.0 Horz AV 0.0 40.2 54.0 -13.8 EUT Vert, Mid Ch 1Mbps 12386.880 41.5 -0.8 2.8 186.9 -1.2 0.0 Horz AV 0.0 40.2 54.0 -13.8 EUT Vert, High Ch 1Mbps 488.4417 51.5 5.1 3.9 285.0 0.0 0.0 Horz AV 0.0 356.6 54.0 -14.5 EUT Vert, High Ch 1Mbps 4284.558 50.6 5.1 3.5 339.0 0.0 0.0 Horz PK 0.0 55.7 74.0 -18.3 EUT Horz, Mid Ch 1Mbps 4885.108 50.1 5.1 3.8 122.9 0.0 0.0 Horz PK 0.0 55.7 74.0 -18.3 EUT Ve	4803.910	38.7	5.1	1.4	279.9	-1.2	0.0	Horz	AV	0.0	42.6	54.0	-11.4	EUT Vert, Low Ch 1Mbps
7325.317 29.0 12.4 1.5 0.0 -1.2 0.0 Horz AV 0.0 40.2 54.0 -13.8 EUT Vert, Mid Ch 1Mbps 7442.000 28.9 12.5 1.5 1.0 -1.2 0.0 Horz AV 0.0 40.2 54.0 -13.8 EUT Vert, High Ch 1Mbps 12398.880 41.5 -0.8 2.8 186.9 -1.2 0.0 Horz AV 0.0 35.5 54.0 -14.5 EUT Vert, High Ch 1Mbps 12209.030 37.6 -0.8 2.4 66.0 -1.2 0.0 Vert AV 0.0 35.6 54.0 -18.4 EUT Vert, High Ch 1Mbps 4884.558 5.0.8 5.1 3.5 339.0 0.0 0.0 Horz PK 0.0 55.7 74.0 -18.3 EUT Horz, Mid Ch 1Mbps 4885.108 50.1 5.1 3.8 128.9 0.0 0.0 Horz PK 0.0 55.2 74.0 -18.8 EUT Vert,	7323.633	29.1	12.4	1.5	350.0	-1.2	0.0	Vert	AV	0.0	40.3	54.0	-13.7	EUT On Side, Mid Ch 1Mbps
7442.000 28.9 12.5 1.5 1.0 -1.2 0.0 Horz AV 0.0 40.2 54.0 -13.8 EUT Vert, High Ch 1Mbps 12398.880 41.5 -0.8 2.8 186.9 -1.2 0.0 Horz AV 0.0 39.5 54.0 -14.5 EUT Vert, High Ch 1Mbps 488.417 51.5 5.1 3.9 285.0 0.0 0.0 Horz PK 0.0 56.8 74.0 -17.4 EUT Vert, Mid Ch 1Mbps 12209.030 37.6 -0.8 2.4 66.0 -1.2 0.0 Vert AV 0.0 35.6 54.0 -18.3 EUT Fort, Mid Ch 1Mbps 4884.558 50.6 5.1 3.5 339.0 0.0 0.0 Horz PK 0.0 55.7 74.0 -18.3 EUT Fort, Mid Ch 1Mbps 4885.108 50.1 5.1 3.8 128.9 0.0 0.0 Horz PK 0.0 55.2 74.0 -18.8 EUT Vert, Mi	7440.433	29.0	12.5	1.5	294.9	-1.2	0.0	Vert	AV	0.0	40.3	54.0	-13.7	EUT On Side, High Ch 1Mbps
12398.880	7325.317	29.0	12.4	1.5	0.0	-1.2	0.0	Horz	AV	0.0	40.2	54.0	-13.8	EUT Vert, Mid Ch 1Mbps
4883.417 51.5 5.1 3.9 285.0 0.0 0.0 Horz PK 0.0 56.6 74.0 -17.4 EUT Vert, Mid Ch 1Mbps 12209.030 37.6 -0.8 2.4 66.0 -1.2 0.0 Vert AV 0.0 35.6 54.0 -18.4 EUT On Side, Mid Ch 1Mbps 4884.558 50.6 5.1 3.5 339.0 0.0 0.0 Horz PK 0.0 55.7 74.0 -18.3 EUT Horz, Mid Ch 1Mbps 4895.108 50.1 5.1 3.8 128.9 0.0 0.0 Horz PK 0.0 55.7 74.0 -18.3 EUT Vert, Mid Ch 1Mbps 12208.890 36.6 -0.8 2.4 126.0 -1.2 0.0 Horz PK 0.0 54.0 -19.4 EUT Vert, Mid Ch 1Mbps 4884.125 49.7 5.1 1.3 293.9 0.0 0.0 Vert PK 0.0 54.8 74.0 -19.3 EUT On Side, Ello Ch 1Mbps	7442.000	28.9	12.5	1.5	1.0	-1.2	0.0	Horz	AV	0.0	40.2	54.0	-13.8	EUT Vert, High Ch 1Mbps
12209.030 37.6 -0.8 2.4 66.0 -1.2 0.0 Verf AV 0.0 35.6 54.0 -18.4 EUT On Side, Mid Ch 1Mbps 4884.558 50.6 5.1 3.5 339.0 0.0 0.0 Horz PK 0.0 55.7 74.0 -18.3 EUT Horz, Mid Ch 1Mbps 4960.092 50.5 5.2 3.7 112.0 0.0 0.0 Horz PK 0.0 55.7 74.0 -18.3 EUT Vert, High Ch 1Mbps 4885.108 50.1 5.1 3.8 128.9 0.0 0.0 Horz PK 0.0 55.2 74.0 -18.8 EUT Vert, Mid Ch 2Mbps 12208.890 36.6 -0.8 2.4 126.0 -1.2 0.0 Horz AV 0.0 34.6 54.0 -19.4 EUT Vert, Mid Ch 1Mbps 4884.125 49.7 5.1 1.3 293.9 0.0 0.0 Vert PK 0.0 54.8 74.0 -19.2 EUT Horz, Mid Ch 1Mbps 4884.342 49.6 5.1 2.7 336.0 0.0 0.0 Horz PK 0.0 54.7 74.0 -19.3 EUT On Side, Mid Ch 1Mbps 4884.425 49.6 5.1 3.0 286.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.3 EUT On Side, High Ch 1Mbps 4884.425 49.6 5.1 3.0 286.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.3 EUT On Side, Mid Ch 1Mbps 4884.425 49.6 5.1 3.0 286.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.6 EUT On Side, Mid Ch 1Mbps 4884.425 49.3 5.1 1.5 10.1 0.0 0.0 Vert PK 0.0 54.4 74.0 -19.6 EUT On Side, Mid Ch 1Mbps 4884.425 49.8 5.1 3.2 268.0 0.0 0.0 Vert PK 0.0 53.9 74.0 -20.1 EUT Vert, Mid Ch 1Mbps 4804.453 48.8 5.1 3.2 268.0 0.0 0.0 Vert PK 0.0 53.9 74.0 -20.1 EUT Vert, Mid Ch 1Mbps 12398.800 33.9 -0.8 1.1 0.0 -1.2 0.0 Vert AV 0.0 31.9 54.0 -22.1 EUT On Side, High Ch 1Mbps 12398.800 33.9 -0.8 1.1 0.0 -1.2 0.0 Vert AV 0.0 31.9 54.0 -22.1 EUT On Side, High Ch 1Mbps 7440.508 39.3 12.5 1.5 294.9 0.0 0.0 Vert PK 0.0 51.5 74.0 -22.2 EUT On Side, High Ch 1Mbps 7422.017 39.0 12.5 1.5 1.0 0.0 0.0 Vert PK 0.0 51.2 74.0 -22.2 EUT On Side, Low Ch 1Mbps 7422.017 39.0 12.5 1.5 1.0 0.0 0.0	12398.880	41.5	-0.8	2.8	186.9	-1.2	0.0	Horz	AV	0.0	39.5	54.0	-14.5	EUT Vert, High Ch 1Mbps
4884.558 50.6 5.1 3.5 339.0 0.0 0.0 Horz PK 0.0 55.7 74.0 -18.3 EUT Horz, Mid Ch 1Mbps 4960.092 50.5 5.2 3.7 112.0 0.0 0.0 Horz PK 0.0 55.7 74.0 -18.3 EUT Vert, High Ch 1Mbps 4885.108 50.1 5.1 3.8 128.9 0.0 0.0 Horz PK 0.0 55.2 74.0 -18.8 EUT Vert, Mid Ch 2Mbps 12208.890 36.6 -0.8 2.4 126.0 -1.2 0.0 Horz AV 0.0 34.6 54.0 -19.4 EUT Vert, Mid Ch 1Mbps 4884.125 49.7 5.1 1.3 293.9 0.0 0.0 Horz PK 0.0 54.7 74.0 -19.3 EUT On Side, Mid Ch 1Mbps 4884.342 49.6 5.1 3.0 286.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.3 EUT On Side	4883.417	51.5	5.1	3.9	285.0	0.0	0.0	Horz	PK	0.0	56.6	74.0	-17.4	EUT Vert, Mid Ch 1Mbps
4960.092 50.5 5.2 3.7 112.0 0.0 0.0 Horz PK 0.0 55.7 74.0 -18.3 EUT Vert, High Ch 1Mbps 4885.108 50.1 5.1 3.8 128.9 0.0 0.0 Horz PK 0.0 55.2 74.0 -18.8 EUT Vert, Mid Ch 2Mbps 12208.890 36.6 -0.8 2.4 126.0 -1.2 0.0 Horz AV 0.0 34.6 54.0 -19.4 EUT Vert, Mid Ch 1Mbps 4884.125 49.7 5.1 1.3 293.9 0.0 0.0 Horz PK 0.0 54.8 74.0 -19.2 EUT Horz, Mid Ch 1Mbps 4884.342 49.6 5.1 2.7 336.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.3 EUT On Side, Mid Ch 1Mbps 4884.925 49.6 5.1 3.0 286.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.3 EUT On Side	12209.030	37.6	-0.8	2.4	66.0	-1.2	0.0	Vert	AV	0.0	35.6	54.0	-18.4	EUT On Side, Mid Ch 1Mbps
4885.108 50.1 5.1 3.8 128.9 0.0 0.0 Horz PK 0.0 55.2 74.0 -18.8 EUT Vert, Mid Ch 2Mbps 12208.890 36.6 -0.8 2.4 126.0 -1.2 0.0 Horz AV 0.0 34.6 54.0 -19.4 EUT Vert, Mid Ch 1Mbps 4884.125 49.7 5.1 1.3 293.9 0.0 0.0 Vert PK 0.0 54.8 74.0 -19.2 EUT Horz, Mid Ch 1Mbps 4884.342 49.6 5.1 2.7 336.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.3 EUT On Side, Mid Ch 1Mbps 4884.925 49.6 5.1 3.0 286.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.3 EUT On Side, Mid Ch 1Mbps 4884.425 49.3 5.1 1.5 101.0 0.0 0.0 Vert PK 0.0 54.4 74.0 -19.8 EUT On Si	4884.558	50.6	5.1	3.5	339.0	0.0	0.0	Horz	PK	0.0	55.7	74.0	-18.3	EUT Horz, Mid Ch 1Mbps
12208.890 36.6 -0.8 2.4 126.0 -1.2 0.0 Horz AV 0.0 34.6 54.0 -19.4 EUT Vert, Mid Ch 1Mbps 4884.125 49.7 5.1 1.3 293.9 0.0 0.0 Vert PK 0.0 54.8 74.0 -19.2 EUT Horz, Mid Ch 1Mbps 4884.342 49.6 5.1 2.7 336.0 0.0 0.0 Horz PK 0.0 54.7 74.0 -19.3 EUT On Side, Mid Ch 1Mbps 4959.850 49.5 5.2 2.8 336.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.3 EUT On Side, High Ch 1Mbps 4884.925 49.6 5.1 3.0 286.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.3 EUT On Side, Mid Ch 2Mbps 4884.425 49.3 5.1 1.5 101.0 0.0 0.0 Vert PK 0.0 54.4 74.0 -19.6 EUT On Side, Mid Ch 1Mbps 4884.442 48.8 5.1 3.2 268.0 0.0 0.0 Vert PK 0.0 53.9 74.0 -20.1 EUT Vert, Mid Ch 1Mbps 4804.453 48.8 5.1 4.0 279.0 0.0 0.0 Vert PK 0.0 53.9 74.0 -20.1 EUT Vert, Low Ch 1Mbps 7323.983 40.0 12.4 1.5 0.0 0.0 0.0 Horz PK 0.0 52.4 74.0 -21.6 EUT Vert, Mid Ch 1Mbps 12398.860 33.9 -0.8 1.1 0.0 -1.2 0.0 Vert AV 0.0 31.9 54.0 -22.1 EUT On Side, High Ch 1Mbps 7440.508 39.3 12.5 1.5 294.9 0.0 0.0 Vert PK 0.0 51.8 74.0 -22.2 EUT On Side, Low Ch 1Mbps 7327.617 38.8 12.4 1.5 350.0 0.0 0.0 Vert PK 0.0 51.5 74.0 -22.2 EUT On Side, High Ch 1Mbps 7327.617 38.8 12.4 1.5 350.0 0.0 0.0 Vert PK 0.0 51.5 74.0 -22.2 EUT On Side, High Ch 1Mbps 7327.617 38.8 12.4 1.5 350.0 0.0 0.0 Horz PK 0.0 51.2 74.0 -22.8 EUT On Side, Low Ch 1Mbps 12010.910 32.5 1.9 1.5 199.9 -1.2 0.0 Horz PK 0.0 50.2 74.0 -23.8 EUT On Side, Low Ch 1Mbps 12399.670 49.8 -0.8 2.8 186.9 0.0 0.0 Horz PK 0.0 49 74.0 -25 EUT Vert, Ligh Ch 1Mbps 12399.670 49.8 -0.8 2.8 186.9 0.0 0.0 Horz PK 0.0 49 74.0 -25 EUT Vert, Ligh Ch 1Mbps 12399.670 49.8 -0.8 2.8 186.9 0.0 0.	4960.092	50.5	5.2	3.7	112.0	0.0	0.0	Horz	PK	0.0	55.7	74.0	-18.3	EUT Vert, High Ch 1Mbps
4884.125 49.7 5.1 1.3 293.9 0.0 0.0 Vert PK 0.0 54.8 74.0 -19.2 EUT Horz, Mid Ch 1Mbps 4884.342 49.6 5.1 2.7 336.0 0.0 0.0 Horz PK 0.0 54.7 74.0 -19.3 EUT On Side, Mid Ch 1Mbps 4959.850 49.5 5.2 2.8 336.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.3 EUT On Side, Mid Ch 1Mbps 4884.925 49.6 5.1 3.0 286.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.3 EUT On Side, Mid Ch 1Mbps 4884.425 49.3 5.1 1.5 101.0 0.0 0.0 Vert PK 0.0 54.4 74.0 -19.6 EUT On Side, Mid Ch 1Mbps 4884.442 48.8 5.1 3.2 268.0 0.0 0.0 Vert PK 0.0 53.9 74.0 -20.1 EUT Ve	4885.108	50.1	5.1	3.8	128.9	0.0	0.0	Horz	PK	0.0	55.2	74.0	-18.8	EUT Vert, Mid Ch 2Mbps
4884.342 49.6 5.1 2.7 336.0 0.0 Horz PK 0.0 54.7 74.0 -19.3 EUT On Side, Mid Ch 1Mbps 4959.850 49.5 5.2 2.8 336.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.3 EUT On Side, Mid Ch 1Mbps 4884.925 49.6 5.1 3.0 286.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.3 EUT On Side, Mid Ch 2Mbps 4884.425 49.3 5.1 1.5 101.0 0.0 0.0 Vert PK 0.0 54.4 74.0 -19.8 EUT On Side, Mid Ch 1Mbps 4884.442 48.8 5.1 3.2 268.0 0.0 0.0 Vert PK 0.0 53.9 74.0 -20.1 EUT Vert, Mid Ch 1Mbps 7323.983 40.0 12.4 1.5 0.0 0.0 0.0 Horz PK 0.0 52.4 74.0 -21.6 EUT Vert, Mid Ch 1Mbps	12208.890	36.6	-0.8	2.4	126.0	-1.2	0.0	Horz	AV	0.0	34.6	54.0	-19.4	EUT Vert, Mid Ch 1Mbps
4959.850 49.5 5.2 2.8 336.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.3 EUT On Side, High Ch 1Mbps 4884.925 49.6 5.1 3.0 286.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.3 EUT On Side, High Ch 1Mbps 4884.425 49.3 5.1 1.5 101.0 0.0 0.0 Vert PK 0.0 54.4 74.0 -19.6 EUT On Side, Mid Ch 1Mbps 4884.442 48.8 5.1 3.2 268.0 0.0 0.0 Vert PK 0.0 53.9 74.0 -20.1 EUT Vert, Mid Ch 1Mbps 4804.453 48.8 5.1 4.0 279.0 0.0 0.0 Horz PK 0.0 53.9 74.0 -20.1 EUT Vert, Low Ch 1Mbps 7323.983 40.0 12.4 1.5 0.0 0.0 Horz PK 0.0 52.4 74.0 -21.6 EUT Vert, Mid Ch 1Mbps	4884.125	49.7	5.1	1.3	293.9	0.0	0.0	Vert	PK	0.0	54.8	74.0	-19.2	EUT Horz, Mid Ch 1Mbps
4884.925 49.6 5.1 3.0 286.0 0.0 0.0 Vert PK 0.0 54.7 74.0 -19.3 EUT On Side, Mid Ch 2Mbps 4884.425 49.3 5.1 1.5 101.0 0.0 0.0 Vert PK 0.0 54.4 74.0 -19.6 EUT On Side, Mid Ch 1Mbps 4884.442 48.8 5.1 3.2 268.0 0.0 0.0 Vert PK 0.0 53.9 74.0 -20.1 EUT Vert, Mid Ch 1Mbps 4804.453 48.8 5.1 4.0 279.0 0.0 0.0 Vert PK 0.0 53.9 74.0 -20.1 EUT Vert, Mid Ch 1Mbps 7323.983 40.0 12.4 1.5 0.0 0.0 Horz PK 0.0 52.4 74.0 -21.6 EUT Vert, Mid Ch 1Mbps 12398.860 33.9 -0.8 1.1 0.0 -1.2 0.0 Vert AV 0.0 31.9 54.0 -22.1 EUT On Side, Low Ch 1Mbps	4884.342	49.6	5.1	2.7	336.0	0.0	0.0	Horz	PK	0.0	54.7	74.0	-19.3	EUT On Side, Mid Ch 1Mbps
4884.425 49.3 5.1 1.5 101.0 0.0 Vert PK 0.0 54.4 74.0 -19.6 EUT On Side, Mid Ch 1Mbps 4884.442 48.8 5.1 3.2 268.0 0.0 0.0 Vert PK 0.0 53.9 74.0 -20.1 EUT Vert, Mid Ch 1Mbps 4804.453 48.8 5.1 4.0 279.0 0.0 0.0 Vert PK 0.0 53.9 74.0 -20.1 EUT Vert, Low Ch 1Mbps 7323.983 40.0 12.4 1.5 0.0 0.0 Horz PK 0.0 52.4 74.0 -21.6 EUT Vert, Mid Ch 1Mbps 12398.860 33.9 -0.8 1.1 0.0 -1.2 0.0 Vert AV 0.0 31.9 54.0 -22.1 EUT On Side, High Ch 1Mbps 12009.010 35.0 -1.9 1.1 0.0 -1.2 0.0 Vert AV 0.0 31.9 54.0 -22.1 EUT On Side, Low Ch 1Mbps	4959.850	49.5	5.2	2.8	336.0	0.0	0.0	Vert	PK	0.0	54.7	74.0	-19.3	EUT On Side, High Ch 1Mbps
4884.442 48.8 5.1 3.2 268.0 0.0 0.0 Vert PK 0.0 53.9 74.0 -20.1 EUT Vert, Mid Ch 1Mbps 4804.453 48.8 5.1 4.0 279.0 0.0 0.0 Vert PK 0.0 53.9 74.0 -20.1 EUT Vert, Low Ch 1Mbps 7323.983 40.0 12.4 1.5 0.0 0.0 Horz PK 0.0 52.4 74.0 -21.6 EUT Vert, Mid Ch 1Mbps 12398.860 33.9 -0.8 1.1 0.0 -1.2 0.0 Vert AV 0.0 31.9 54.0 -22.1 EUT On Side, High Ch 1Mbps 12099.010 35.0 -1.9 1.1 0.0 -1.2 0.0 Vert AV 0.0 31.9 54.0 -22.1 EUT On Side, High Ch 1Mbps 7440.508 39.3 12.5 1.5 294.9 0.0 0.0 Vert PK 0.0 51.8 74.0 -22.2 EUT On Side, High Ch 1Mbps <td>4884.925</td> <td>49.6</td> <td>5.1</td> <td>3.0</td> <td>286.0</td> <td>0.0</td> <td>0.0</td> <td>Vert</td> <td>PK</td> <td>0.0</td> <td>54.7</td> <td>74.0</td> <td>-19.3</td> <td>EUT On Side, Mid Ch 2Mbps</td>	4884.925	49.6	5.1	3.0	286.0	0.0	0.0	Vert	PK	0.0	54.7	74.0	-19.3	EUT On Side, Mid Ch 2Mbps
4804.453 48.8 5.1 4.0 279.0 0.0 0.0 Vert PK 0.0 53.9 74.0 -20.1 EUT Vert, Low Ch 1Mbps 7323.983 40.0 12.4 1.5 0.0 0.0 0.0 Horz PK 0.0 52.4 74.0 -21.6 EUT Vert, Mid Ch 1Mbps 12398.860 33.9 -0.8 1.1 0.0 -1.2 0.0 Vert AV 0.0 31.9 54.0 -22.1 EUT On Side, High Ch 1Mbps 12009.010 35.0 -1.9 1.1 0.0 -1.2 0.0 Vert AV 0.0 31.9 54.0 -22.1 EUT On Side, Low Ch 1Mbps 7440.508 39.3 12.5 1.5 294.9 0.0 0.0 Vert PK 0.0 51.8 74.0 -22.2 EUT On Side, High Ch 1Mbps 7442.017 39.0 12.5 1.5 1.0 0.0 Horz PK 0.0 51.5 74.0 -22.5 EUT Vert, High Ch 1Mbps <td>4884.425</td> <td>49.3</td> <td>5.1</td> <td>1.5</td> <td>101.0</td> <td>0.0</td> <td>0.0</td> <td>Vert</td> <td>PK</td> <td>0.0</td> <td>54.4</td> <td>74.0</td> <td>-19.6</td> <td>EUT On Side, Mid Ch 1Mbps</td>	4884.425	49.3	5.1	1.5	101.0	0.0	0.0	Vert	PK	0.0	54.4	74.0	-19.6	EUT On Side, Mid Ch 1Mbps
7323.983 40.0 12.4 1.5 0.0 0.0 0.0 Horz PK 0.0 52.4 74.0 -21.6 EUT Vert, Mid Ch 1Mbps 12398.860 33.9 -0.8 1.1 0.0 -1.2 0.0 Vert AV 0.0 31.9 54.0 -22.1 EUT On Side, High Ch 1Mbps 12009.010 35.0 -1.9 1.1 0.0 -1.2 0.0 Vert AV 0.0 31.9 54.0 -22.1 EUT On Side, Low Ch 1Mbps 7440.508 39.3 12.5 1.5 294.9 0.0 0.0 Vert PK 0.0 51.8 74.0 -22.2 EUT On Side, High Ch 1Mbps 7442.017 39.0 12.5 1.5 1.0 0.0 0.0 Horz PK 0.0 51.5 74.0 -22.5 EUT Vert, High Ch 1Mbps 7327.617 38.8 12.4 1.5 350.0 0.0 0.0 Vert PK 0.0 51.2 74.0 -22.8 EUT	4884.442	48.8	5.1	3.2	268.0	0.0	0.0	Vert	PK	0.0	53.9	74.0	-20.1	EUT Vert, Mid Ch 1Mbps
12398.860 33.9 -0.8 1.1 0.0 -1.2 0.0 Vert AV 0.0 31.9 54.0 -22.1 EUT On Side, High Ch 1Mbps 12009.010 35.0 -1.9 1.1 0.0 -1.2 0.0 Vert AV 0.0 31.9 54.0 -22.1 EUT On Side, Low Ch 1Mbps 7440.508 39.3 12.5 1.5 294.9 0.0 0.0 Vert PK 0.0 51.8 74.0 -22.2 EUT On Side, High Ch 1Mbps 7442.017 39.0 12.5 1.5 1.0 0.0 0.0 Horz PK 0.0 51.5 74.0 -22.2 EUT On Side, High Ch 1Mbps 7327.617 38.8 12.4 1.5 350.0 0.0 0.0 Vert PK 0.0 51.2 74.0 -22.8 EUT On Side, Mid Ch 1Mbps 4804.173 45.1 5.1 1.4 279.9 0.0 0.0 Horz PK 0.0 50.2 74.0 -23.8 <	4804.453	48.8	5.1	4.0	279.0	0.0	0.0	Vert	PK	0.0	53.9	74.0	-20.1	EUT Vert, Low Ch 1Mbps
12009.010 35.0 -1.9 1.1 0.0 -1.2 0.0 Vert AV 0.0 31.9 54.0 -22.1 EUT On Side, Low Ch 1Mbps 7440.508 39.3 12.5 1.5 294.9 0.0 0.0 Vert PK 0.0 51.8 74.0 -22.2 EUT On Side, High Ch 1Mbps 7442.017 39.0 12.5 1.5 1.0 0.0 0.0 Horz PK 0.0 51.5 74.0 -22.5 EUT Vert, High Ch 1Mbps 7327.617 38.8 12.4 1.5 350.0 0.0 0.0 Vert PK 0.0 51.2 74.0 -22.8 EUT On Side, Mid Ch 1Mbps 4804.173 45.1 5.1 1.4 279.9 0.0 0.0 Horz PK 0.0 50.2 74.0 -23.8 EUT On Side, Low Ch 1Mbps 12010.910 32.5 -1.9 1.5 199.9 -1.2 0.0 Horz AV 0.0 29.4 54.0 -24.6 <td< td=""><td>7323.983</td><td>40.0</td><td>12.4</td><td>1.5</td><td>0.0</td><td>0.0</td><td>0.0</td><td>Horz</td><td>PK</td><td>0.0</td><td>52.4</td><td>74.0</td><td>-21.6</td><td>EUT Vert, Mid Ch 1Mbps</td></td<>	7323.983	40.0	12.4	1.5	0.0	0.0	0.0	Horz	PK	0.0	52.4	74.0	-21.6	EUT Vert, Mid Ch 1Mbps
7440.508 39.3 12.5 1.5 294.9 0.0 0.0 Vert PK 0.0 51.8 74.0 -22.2 EUT On Side, High Ch 1Mbps 7442.017 39.0 12.5 1.5 1.0 0.0 0.0 Horz PK 0.0 51.5 74.0 -22.5 EUT Vert, High Ch 1Mbps 7327.617 38.8 12.4 1.5 350.0 0.0 Vert PK 0.0 51.2 74.0 -22.8 EUT On Side, Mid Ch 1Mbps 4804.173 45.1 5.1 1.4 279.9 0.0 0.0 Horz PK 0.0 50.2 74.0 -23.8 EUT On Side, Low Ch 1Mbps 12010.910 32.5 -1.9 1.5 199.9 -1.2 0.0 Horz AV 0.0 29.4 54.0 -24.6 EUT Vert, Low Ch 1Mbps 12399.670 49.8 -0.8 2.8 186.9 0.0 0.0 Horz PK 0.0 49 74.0 -25 EUT Vert, High Ch 1Mbps <td>12398.860</td> <td>33.9</td> <td>-0.8</td> <td>1.1</td> <td>0.0</td> <td>-1.2</td> <td>0.0</td> <td>Vert</td> <td>AV</td> <td>0.0</td> <td>31.9</td> <td>54.0</td> <td>-22.1</td> <td>EUT On Side, High Ch 1Mbps</td>	12398.860	33.9	-0.8	1.1	0.0	-1.2	0.0	Vert	AV	0.0	31.9	54.0	-22.1	EUT On Side, High Ch 1Mbps
7442.017 39.0 12.5 1.5 1.0 0.0 0.0 Horz PK 0.0 51.5 74.0 -22.5 EUT Vert, High Ch 1Mbps 7327.617 38.8 12.4 1.5 350.0 0.0 0.0 Vert PK 0.0 51.2 74.0 -22.8 EUT On Side, Mid Ch 1Mbps 4804.173 45.1 5.1 1.4 279.9 0.0 0.0 Horz PK 0.0 50.2 74.0 -23.8 EUT On Side, Low Ch 1Mbps 12010.910 32.5 -1.9 1.5 199.9 -1.2 0.0 Horz AV 0.0 29.4 54.0 -24.6 EUT Vert, Low Ch 1Mbps 12399.670 49.8 -0.8 2.8 186.9 0.0 0.0 Horz PK 0.0 49 74.0 -25 EUT Vert, High Ch 1Mbps	12009.010	35.0	-1.9	1.1	0.0	-1.2	0.0	Vert	AV	0.0	31.9	54.0	-22.1	EUT On Side, Low Ch 1Mbps
7327.617 38.8 12.4 1.5 350.0 0.0 0.0 Vert PK 0.0 51.2 74.0 -22.8 EUT On Side, Mid Ch 1Mbps 4804.173 45.1 5.1 1.4 279.9 0.0 0.0 Horz PK 0.0 50.2 74.0 -23.8 EUT On Side, Low Ch 1Mbps 12010.910 32.5 -1.9 1.5 199.9 -1.2 0.0 Horz AV 0.0 29.4 54.0 -24.6 EUT Vert, Low Ch 1Mbps 12399.670 49.8 -0.8 2.8 186.9 0.0 0.0 Horz PK 0.0 49 74.0 -25 EUT Vert, High Ch 1Mbps	7440.508	39.3	12.5	1.5	294.9	0.0	0.0	Vert	PK	0.0	51.8	74.0	-22.2	EUT On Side, High Ch 1Mbps
4804.173 45.1 5.1 1.4 279.9 0.0 0.0 Horz PK 0.0 50.2 74.0 -23.8 EUT On Side, Low Ch 1Mbps 12010.910 32.5 -1.9 1.5 199.9 -1.2 0.0 Horz AV 0.0 29.4 54.0 -24.6 EUT Vert, Low Ch 1Mbps 12399.670 49.8 -0.8 2.8 186.9 0.0 0.0 Horz PK 0.0 49 74.0 -25 EUT Vert, High Ch 1Mbps	7442.017	39.0	12.5	1.5	1.0	0.0	0.0	Horz	PK	0.0	51.5	74.0	-22.5	EUT Vert, High Ch 1Mbps
12010.910 32.5 -1.9 1.5 199.9 -1.2 0.0 Horz AV 0.0 29.4 54.0 -24.6 EUT Vert, Low Ch 1Mbps 12399.670 49.8 -0.8 2.8 186.9 0.0 0.0 Horz PK 0.0 49 74.0 -25 EUT Vert, High Ch 1Mbps	7327.617	38.8	12.4	1.5	350.0	0.0	0.0	Vert	PK	0.0	51.2	74.0	-22.8	EUT On Side, Mid Ch 1Mbps
12399.670 49.8 -0.8 2.8 186.9 0.0 0.0 Horz PK 0.0 49 74.0 -25 EUT Vert, High Ch 1Mbps	4804.173	45.1	5.1	1.4	279.9	0.0	0.0	Horz	PK	0.0	50.2	74.0	-23.8	EUT On Side, Low Ch 1Mbps
	12010.910	32.5	-1.9	1.5	199.9	-1.2	0.0	Horz	AV	0.0	29.4	54.0	-24.6	EUT Vert, Low Ch 1Mbps
12009.130 45.1 -1.9 1.1 0.0 0.0 0.0 Vert PK 0.0 43.2 74.0 -30.8 EUT On Side, Low Ch 1Mbps	12399.670	49.8	-0.8	2.8	186.9	0.0	0.0	Horz	PK	0.0	49	74.0	-25	EUT Vert, High Ch 1Mbps
	12009.130	45.1	-1.9	1.1	0.0	0.0	0.0	Vert	PK	0.0	43.2	74.0	-30.8	EUT On Side, Low Ch 1Mbps

Report No. STAK0333.1 44/50



Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Duty Cycle Correction Factor (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
12210.830	43.6	-0.8	2.4	126.0	0.0	0.0	Horz	PK	0.0	42.8	74.0	-31.2	EUT Vert, Mid Ch 1Mbps
12208.340	43.6	-0.8	2.4	66.0	0.0	0.0	Vert	PK	0.0	42.8	74.0	-31.2	EUT On Side, Mid Ch 1Mbps
12398.960	43.5	-0.8	1.1	0.0	0.0	0.0	Vert	PK	0.0	42.7	74.0	-31.3	EUT On Side, High Ch 1Mbps
12010.520	43.0	-1.9	1.5	199.9	0.0	0.0	Horz	PK	0.0	41.1	74.0	-32.9	EUT Vert, Low Ch 1Mbps

CONCLUSION

Pass

Tested By



EUT:	Edge Al RIC 312	Work Order:	STAK0346
Serial Number:	240748867	Date:	2024-05-24
Customer:	Starkey Laboratories, Inc.	Temperature:	22°C
Attendees:	John Quach	Relative Humidity:	46.9%
Customer Project:	None	Bar. Pressure (PMSL):	1011 mb
Tested By:	Marcelo Aguayo	Job Site:	MN05
Power:	Zinc Battery	Configuration:	STAK0346-2

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.247:2024	ANSI C63.10:2013

TEST PARAMETERS

Run #: 71	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

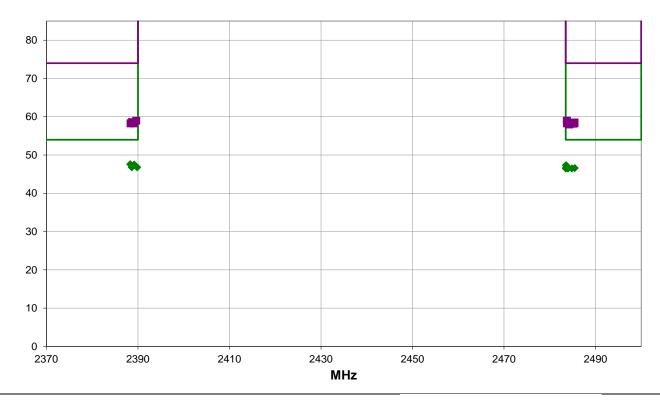
Power +4dBm.Test mode duty cycle is 22.34% (1 Mbps) and 16.39% (2 Mbps), operational duty cycle is 17% (1 Mbps) and 17% (2 Mbps). Duty cycle correction factor (DCCF) applied using DCCF=[10*log(1/test mode DC)]+[10*log(operational DC)]=-1.2 dB (1 Mbps) or 0.1 dB (2 Mbps)

EUT OPERATING MODES

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

DEVIATIONS FROM TEST STANDARD

None



Run #: 71 ■ PK ◆ AV • QP

Report No. STAK0333.1 46/50



RESULTS - Run #71

RESULTS - Run #71													
Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Duty Cycle Correction Factor (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
2388.313	31.6	-4.1	1.5	145.0	0.1	20.0	Horz	AV	0.0	47.6	54.0	-6.4	EUT Vert, Low Ch 2Mbps
2389.180	31.5	-4.1	1.9	292.0	0.1	20.0	Vert	AV	0.0	47.5	54.0	-6.5	EUT Vert, Low Ch 2Mbps
2483.613	30.7	-3.5	1.5	247.9	0.1	20.0	Horz	AV	0.0	47.3	54.0	-6.7	EUT Vert, High Ch 2Mbps
2483.510	30.7	-3.5	1.5	202.0	0.1	20.0	Vert	AV	0.0	47.3	54.0	-6.7	EUT Vert, High Ch 2Mbps
2389.820	31.7	-4.1	1.5	247.9	-1.2	20.0	Horz	AV	0.0	46.4	54.0	-7.6	EUT Vert, Low Ch 1Mbps
2388.650	31.7	-4.1	1.5	336.9	-1.2	20.0	Vert	AV	0.0	46.4	54.0	-7.6	EUT Vert, Low Ch 1Mbps
2483.817	30.9	-3.5	1.5	163.9	-1.2	20.0	Horz	AV	0.0	46.2	54.0	-7.8	EUT Vert, High Ch 1Mbps
2483.557	30.9	-3.5	3.7	29.0	-1.2	20.0	Vert	AV	0.0	46.2	54.0	-7.8	EUT Vert, High Ch 1Mbps
2485.450	30.9	-3.5	1.5	153.0	-1.2	20.0	Horz	AV	0.0	46.2	54.0	-7.8	EUT On Side, High Ch 1Mbps
2484.830	30.8	-3.5	1.5	343.0	-1.2	20.0	Horz	AV	0.0	46.1	54.0	-7.9	EUT Horz, High Ch 1Mbps
2483.987	30.8	-3.5	1.5	48.9	-1.2	20.0	Vert	AV	0.0	46.1	54.0	-7.9	EUT On Side, High Ch 1Mbps
2483.513	30.8	-3.5	1.5	101.0	-1.2	20.0	Vert	AV	0.0	46.1	54.0	-7.9	EUT Horz, High Ch 1Mbps
2483.747	42.5	-3.5	1.5	48.9	0.0	20.0	Vert	PK	0.0	59	74.0	-15	EUT On Side, High Ch 1Mbps
2389.620	43.1	-4.1	1.5	247.9	0.0	20.0	Horz	PK	0.0	59	74.0	-15	EUT Vert, Low Ch 1Mbps
2388.707	42.7	-4.1	1.9	292.0	0.0	20.0	Vert	PK	0.0	58.6	74.0	-15.4	EUT Vert, Low Ch 2Mbps
2485.377	42.0	-3.5	3.7	29.0	0.0	20.0	Vert	PK	0.0	58.5	74.0	-15.5	EUT Vert, High Ch 1Mbps
2485.400	41.8	-3.5	1.5	343.0	0.0	20.0	Horz	PK	0.0	58.3	74.0	-15.7	EUT On Side, High Ch 1Mbps
2484.927	41.8	-3.5	1.5	163.9	0.0	20.0	Horz	PK	0.0	58.3	74.0	-15.7	EUT Vert, High Ch 1Mbps
2483.757	41.8	-3.5	1.5	153.0	0.0	20.0	Horz	PK	0.0	58.3	74.0	-15.7	EUT Horz, High Ch 1Mbps
2389.093	42.4	-4.1	1.5	214.9	0.0	20.0	Vert	PK	0.0	58.3	74.0	-15.7	EUT Vert, Low Ch 1Mbps
2388.397	42.4	-4.1	1.5	145.0	0.0	20.0	Horz	PK	0.0	58.3	74.0	-15.7	EUT Vert, Low Ch 2Mbps
2485.013	41.8	-3.5	1.5	247.9	0.0	20.0	Horz	PK	0.0	58.3	74.0	-15.7	EUT Vert, High Ch 2Mbps
2485.103	41.7	-3.5	1.5	202.0	0.0	20.0	Vert	PK	0.0	58.2	74.0	-15.8	EUT Vert, High Ch 2Mbps
2484.303	41.5	-3.5	1.5	101.0	0.0	20.0	Vert	PK	0.0	58	74.0	-16	EUT Horz, High Ch 1Mbps

CONCLUSION

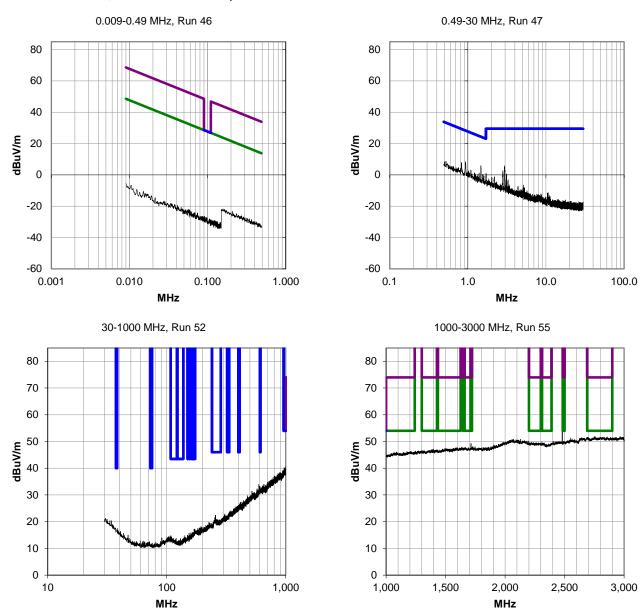
Pass

Tested By



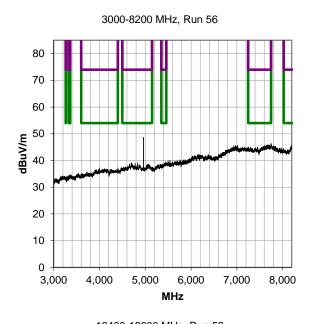
PRESCAN DATA

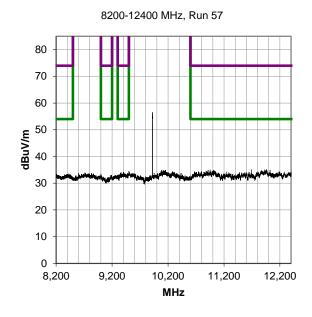
Radiated spurious emissions from the EUT are initially reviewed with Pre-scans (Preview scans). Pre-scans are performed, with the EUT transmitting on the lowest applicable data rate, for both vertical and horizontal polarizations. The Pre-scan plots below are shown with a peak detector and RBW for the 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.

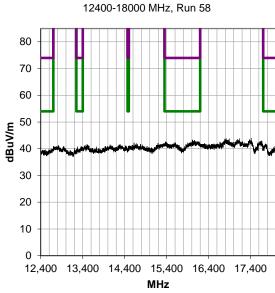


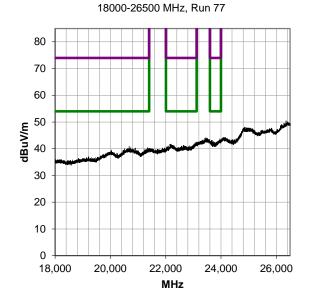
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End of Test Report

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