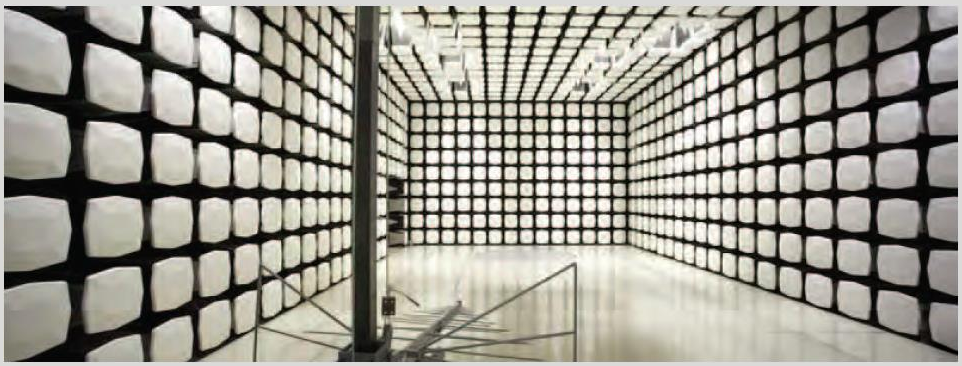
NORTHWEST EMC

LightSpeed Aviation

Tango Aviation Headset

FCC 15.249:2015

Report # LISA0030.1



NVLAP Lab Code: 200630-0

CERTIFICATE OF TEST

NORTHWEST EMC
2014-12-10

Last Date of Test: August 19, 2015
LightSpeed Aviation
Model: Tango Aviation Headset

Radio Equipment Testing

Standards

Specification	Method
FCC 15.249:2015	ANSI C63.10:2013

Results

Method Clause	Test Description	Applied	Results	Comments
6.2	Powerline Conducted Emissions	No	N/A	No power line.
6.5	Field Strength of Fundamental	Yes	Pass	
6.5, 6.6	Field Strength of Harmonics and Spurious Radiated Emissions	Yes	Pass	

Deviations From Test Standards

None

Approved By:

Kyle Holgate, Operations Manager

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.

REVISION HISTORY

NORTHWEST EMC
REV 2014.10.14

Revision Number	Description	Date	Page Number
00	None		

ACCREDITATIONS AND AUTHORIZATIONS

REV 2015.2.19

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 - Accredited by A2LA to ISO / IEC 17065 as a product certifier. This allows Northwest EMC to certify transmitters to FCC and IC specifications.

NVLAP - Each laboratory is accredited by NVLAP to ISO 17025

Canada

IC - Recognized by Industry Canada as a Certification Body (CB). Certification chambers and Open Area Test Sites are filed with IC.

European Union

European Commission – Validated by the European Commission as a Conformity Assessment Body (CAB) under the EMC directive and as a Notified Body under the R&TTE Directive.

Australia/New Zealand

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

Korea

MSIP / 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:
http://www.nwemc.com/accreditations/
http://gsi.nist.gov/global/docs/cabs/designations.html

MEASUREMENT UNCERTAINTY

TMU.2015.07.10

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 WP 342. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty (K=2) for each test is on each data sheet. 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.

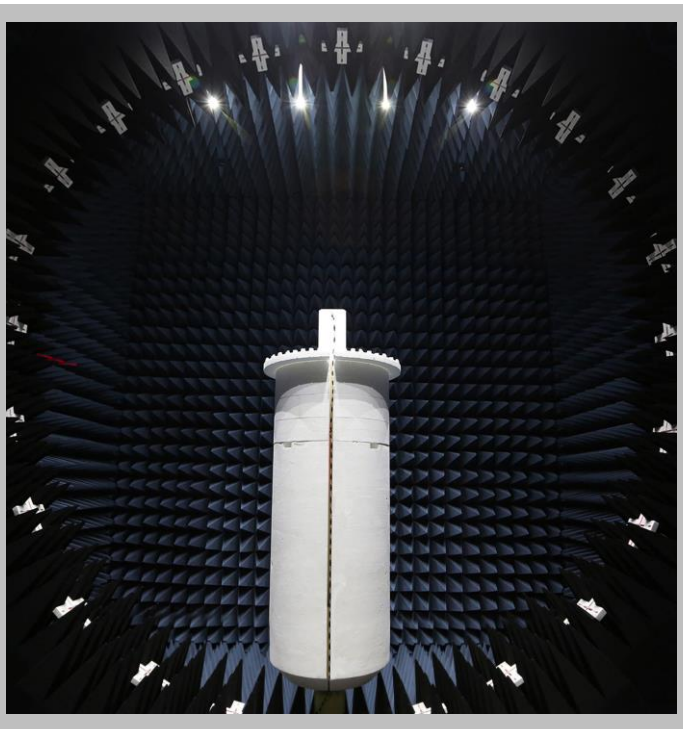
The following table represents the Measurement Uncertainty (MU) budgets for each of the tests that may be contained in this report.

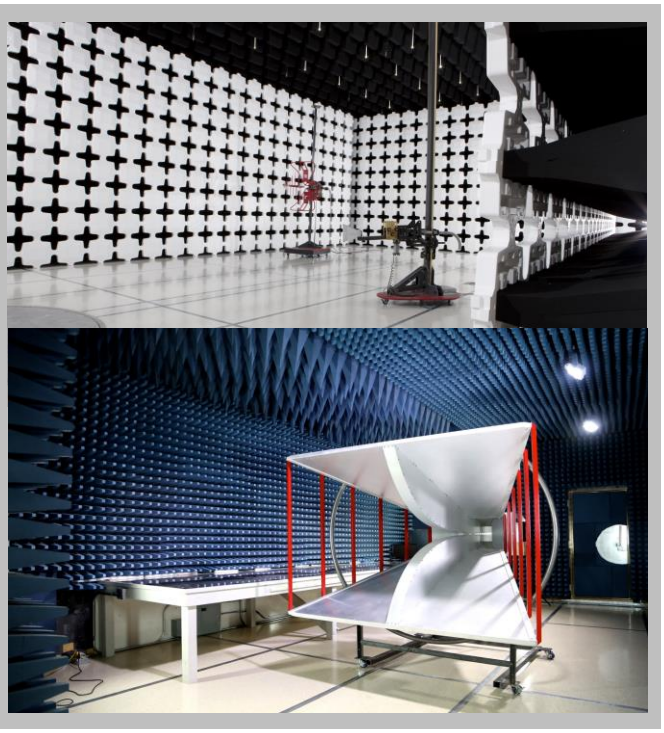
Test	+ MU	- MU
Frequency Accuracy (Hz)	0.0007%	-0.0007%
Amplitude Accuracy (dB)	1.2 dB	-1.2 dB
Conducted Power (dB)	0.3 dB	-0.3 dB
Radiated Power via Substitution (dB)	0.7 dB	-0.7 dB
Temperature (degrees C)	0.7°C	-0.7°C
Humidity (% RH)	2.5% RH	-2.5% RH
Voltage (AC)	1.0%	-1.0%
Voltage (DC)	0.7%	-0.7%
Field Strength (dB)	5.2 dB	-5.2 dB
AC Powerline Conducted Emissions (dB)	2.4 dB	-2.4 dB

FACILITIES

NORTHWEST EMC
REV 2015.2.19

California	Minnesota	New York	Oregon	Texas	Washington
Labs OC01-13 41 Tesla Irvine, CA 92618 (949) 861-8918	Labs MN01-08, MN10 9349 W Broadway Ave. Brooklyn Park, MN 55445 (612)-638-5136	Labs NY01-04 4939 Jordan Rd. Elbridge, NY 13060 (315) 554-8214	Labs EV01-12 22975 NW Evergreen Pkwy Hillsboro, OR 97124 (503) 844-4066	Labs TX01-09 3801 E Plano Pkwy Plano, TX 75074 (469) 304-5255	Labs NC01-05 19201 120th Ave NE Bothell, WA 9801 (425)984-6600
NVLAP					
NVLAP Lab Code: 200676-0	NVLAP Lab Code: 200881-0	NVLAP Lab Code: 200761-0	NVLAP Lab Code: 200630-0	NVLAP Lab Code:201049-0	NVLAP Lab Code: 200629-0
Industry Canada					
2834B-1, 2834B-3	2834E-1	N/A	2834D-1, 2834D-*2*	2834G-1	2834F-1
BSMI					
SL2-IN-E-1154R	SL2-IN-E-1152R	N/A	SL2-IN-E-1017	SL2-IN-E-1158R	SL2-IN-E-1153R
VCCI					
A-0029	A-0109	N/A	A-0108	A-0201	A-0110
Recognized Phase I CAB for ACMA, BSMI, IDA, KCC/RRA, MIC, MOC, NCC, OFCA					
US0158	US0175	N/A	US0017	US0191	US0157





PRODUCT DESCRIPTION

NORTHWEST EMC
2014-12-10

Client and Equipment Under Test (EUT) Information

Company Name:	LightSpeed Aviation
Address:	6135 SW Jean Rd
City, State, Zip:	Lake Oswego, OR 97035
Test Requested By:	Eduard Vaynberg
Model:	Tango Aviation Headset
First Date of Test:	August 19, 2015
Last Date of Test:	August 19, 2015
Receipt Date of Samples:	August 13, 2015
Equipment Design Stage:	Production
Equipment Condition:	No Damage

Information Provided by the Party Requesting the Test

Functional Description of the EUT:
Noise cancelling wireless aviation headset

Testing Objective:
Seeking to demonstrate compliance under FCC 15.249:2015 for operation in the 902 - 928 MHz Band.

CONFIGURATIONS

NORTHWEST EMC 2014-12-10

Configuration LISA0030- 4

EUT			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
Head Phones	LightSpeed Aviation	None	US 001

Peripherals in test setup boundary			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
I-Phone	Apple	5S	None Provided

MODIFICATIONS

NORTHWEST EMC
2014-12-10

Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	8/19/2015	Field Strength of Harmonics and Spurious Radiated Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
2	8/19/2015	Field Strength of Fundamental	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed

FIELD STRENGTH OF FUNDAMENTAL

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 test data represents the configuration / operating mode/ model that produced the highest emission levels as compared to the specification limit.

MODES OF OPERATION

On Tx Continuous FM modulation, Low channel, 922.25 MHz
On Tx Continuous FM modulation, Mid channel, 924.5 MHz
On Tx Continuous FM modulation, High channel, 927.5 MHz

POWER SETTINGS INVESTIGATED

Battery

CONFIGURATIONS INVESTIGATED

LISA0030 - 4

FREQUENCY RANGE INVESTIGATED

Start Frequency	902 MHz	Stop Frequency	928 MHz

SAMPLE CALCULATIONS

Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFN	2/10/2015	12 mo
Cable	N/A	Bilog Cables	EVA	2/10/2015	12 mo
Amplifier - Pre-Amplifier	Miteq	AM-1616-1000	AOL	2/10/2015	12 mo
Antenna - Biconilog	EMCO	3141	AXE	8/29/2014	24 mo

TEST DESCRIPTION

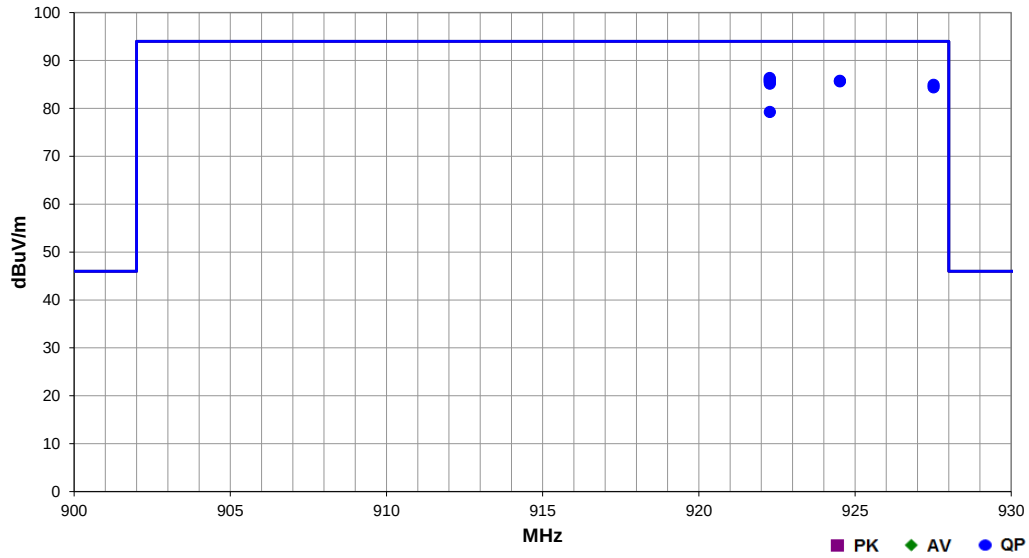
The antennas to be used with the EUT were tested. The EUT was transmitting and while set at the lowest channel, a middle channel, and the highest channel available. While scanning, emissions from the EUT were maximized by rotating the EUT, adjusting the measurement antenna height and polarization, and manipulating the EUT and EUT antenna in 3 orthogonal planes.

FIELD STRENGTH OF FUNDAMENTAL

Work Order:	LISA0030	**Date:**	08/19/15		
Project:	None	**Temperature:**	24.5 °C		
Job Site:	EV01	**Humidity:**	40.8% RH		
Serial Number:	US 001	**Barometric Pres.:**	1011.6 mbar	**Tested by:**	Luke Richardson, Rod Peloquin
EUT:	Tango Aviation Headset				
Configuration:	4				
Customer:	LightSpeed Aviation				
Attendees:	Eduard Vaynberg				
EUT Power:	Battery				
Operating Mode:	On Tx Continuous FM modulation				
Deviations:	None				
Comments:	Audio device set next to boom mic. to create FM modulation. Please reference the data comments for EUT orientation frequency and channel.				

Test Specifications	**Test Method**
FCC 15.249:2015	ANSI C63.10:2013

Run #	6	**Test Distance (m)**	3	**Antenna Height(s)**	1 to 4(m)	**Results**	Pass



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
922.266	56.7	29.7	1.4	69.0	3.0	0.0	Horz	QP	0.0	86.4	94.0	-7.6	Low Channel (922.25 MHz) Boom Mic. In Side Position
922.272	56.4	29.7	1.0	256.0	3.0	0.0	Horz	QP	0.0	86.1	94.0	-7.9	Low Channel (922.25 MHz) Boom Mic. In Down Position
924.513	56.0	29.8	1.1	84.0	3.0	0.0	Vert	QP	0.0	85.8	94.0	-8.2	Mid Channel (924.5 MHz) Boom Mic. In Side Position
922.266	56.1	29.7	1.1	203.0	3.0	0.0	Vert	QP	0.0	85.8	94.0	-8.2	Low Channel (922.25 MHz) Boom Mic. In Side Position
924.514	55.9	29.8	1.4	60.0	3.0	0.0	Horz	QP	0.0	85.7	94.0	-8.3	Mid Channel (924.5 MHz) Boom Mic. In Side Position
922.272	55.9	29.7	1.0	215.0	3.0	0.0	Horz	QP	0.0	85.6	94.0	-8.4	Low Channel (922.25 MHz) Boom Mic. In Up Position
922.272	55.5	29.7	1.2	290.0	3.0	0.0	Vert	QP	0.0	85.2	94.0	-8.8	Low Channel (922.25 MHz) Boom Mic. In Down Position
927.514	55.0	29.9	1.0	79.0	3.0	0.0	Vert	QP	0.0	84.9	94.0	-9.1	High Channel (927.5 MHz) Boom Mic. In Side Position
927.516	54.5	29.9	1.4	134.0	3.0	0.0	Horz	QP	0.0	84.4	94.0	-9.6	High Channel (927.5 MHz) Boom Mic. In Side Position
922.272	49.6	29.7	1.7	145.0	3.0	0.0	Vert	QP	0.0	79.3	94.0	-14.7	Low Channel (922.25 MHz) Boom Mic. In Up Position

FIELD STRENGTH OF HARMONICS AND SPURIOUS RADIATED EMISSIONS

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 test data represents the configuration / operating mode/ model that produced the highest emission levels as compared to the specification limit.

MODES OF OPERATION

On Tx Continuous FM modulation, Low channel, 922.25 MHz
On Tx Continuous FM modulation, Mid channel, 924.5 MHz
On Tx Continuous FM modulation, High channel, 927.5 MHz

POWER SETTINGS INVESTIGATED

Battery

CONFIGURATIONS INVESTIGATED

LISA0030 - 4

FREQUENCY RANGE INVESTIGATED

Start Frequency	30 MHz	Stop Frequency	100000 MHz

SAMPLE CALCULATIONS

Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFN	2/10/2015	12 mo
Cable	None	Standard Gain Horns Cable	EVF	4/20/2015	12 mo
Amplifier - Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	AVC	4/20/2015	12 mo
Antenna - Standard Gain	ETS Lindgren	3160-07	AHU	NCR	0 mo
Cable	N/A	Double Ridge Horn Cables	EVB	4/16/2015	12 mo
Amplifier - Pre-Amplifier	Miteq	AMF-3D-00100800-32-13P	PAG	4/16/2015	12 mo
Antenna - Double Ridge	ETS Lindgren	3115	AIZ	1/27/2014	24 mo
Cable	N/A	Bilog Cables	EVA	2/10/2015	12 mo
Amplifier - Pre-Amplifier	Miteq	AM-1616-1000	AOL	2/10/2015	12 mo
Antenna - Biconilog	EMCO	3141	AXE	8/29/2014	24 mo

TEST DESCRIPTION

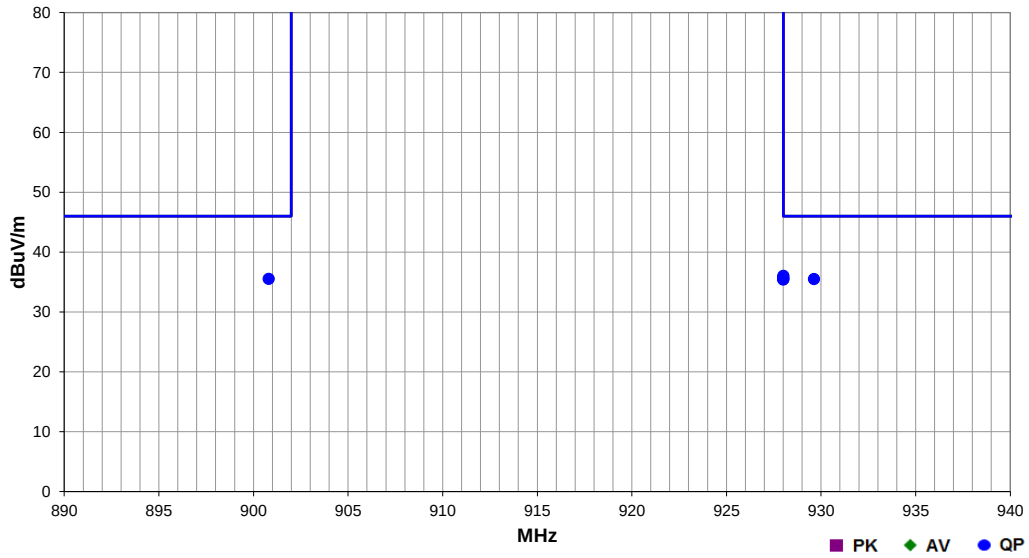
The antennas to be used with the EUT were tested. The EUT was transmitting and receiving while set at the lowest channel, a middle channel, and the highest channel available. While scanning, emissions from the EUT were maximized by rotating the EUT, adjusting the measurement antenna height and polarization, and manipulating the EUT antenna in 3 orthogonal planes. A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

FIELD STRENGTH OF HARMONICS AND SPURIOUS RADIATED EMISSIONS

Work Order:	LISA0030	**Date:**	08/21/15		
Project:	None	**Temperature:**	23.6 °C		
Job Site:	EV01	**Humidity:**	40.6% RH		
Serial Number:	US 001	**Barometric Pres.:**	1015.3 mbar	**Tested by:**	Brandon Hobbs
EUT:	Tango Aviation Headset				
Configuration:	4				
Customer:	LightSpeed Aviation				
Attendees:	Eduard Vaynberg				
EUT Power:	Battery				
Operating Mode:	On Tx Continuous FM modulated with Additive White Gaussian Noise				
Deviations:	None				
Comments:	Audio device set next to boom mic. to create FM modulation. Please reference the data comments for EUT orientation frequency and channel				

Test Specifications	**Test Method**
FCC 15.249:2015	ANSI C63.10:2013

Run #	27	**Test Distance (m)**	3	**Antenna Height(s)**	1 to 4(m)	**Results**	Pass



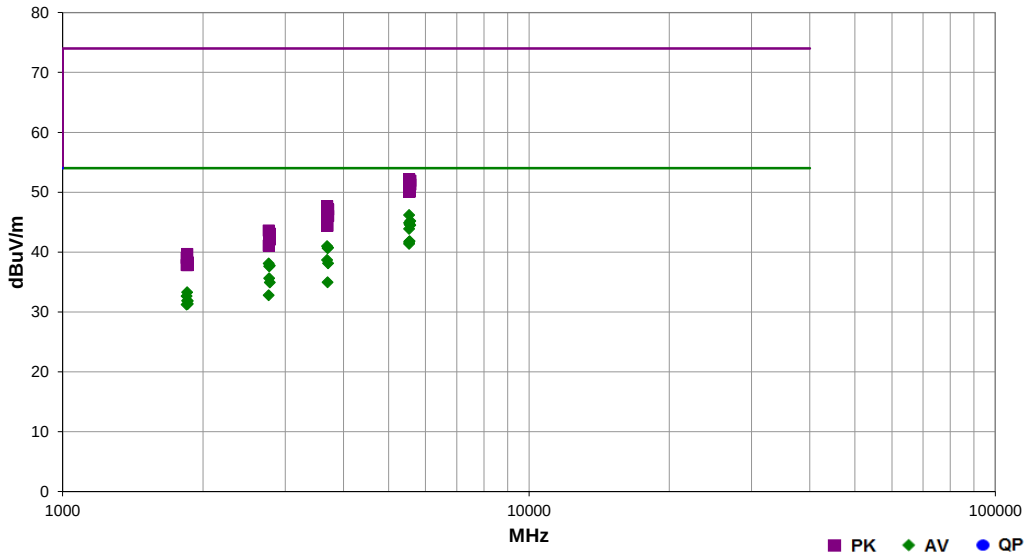
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
928.003	17.1	8.9	1.0	302.0	3.0	10.0	Horz	QP	0.0	36.0	46.0	-10.0	High Channel (927.5 MHz) Boom Mic. In the Up Position
928.002	16.9	8.9	1.2	351.0	3.0	10.0	Vert	QP	0.0	35.8	46.0	-10.2	High Channel (927.5 MHz) Boom Mic. In Down Position
900.803	16.6	8.9	1.0	0.0	3.0	10.0	Horz	QP	0.0	35.5	46.0	-10.5	Low Channel (922.25 MHz) Boom Mic. In the Up Position
928.003	16.6	8.9	1.0	264.0	3.0	10.0	Horz	QP	0.0	35.5	46.0	-10.5	High Channel (927.5 MHz) Boom Mic. In Side Position
928.002	16.6	8.9	4.0	107.0	3.0	10.0	Vert	QP	0.0	35.5	46.0	-10.5	High Channel (927.5 MHz) Boom Mic. In the Up Position
929.628	16.5	9.0	1.0	279.0	3.0	10.0	Horz	QP	0.0	35.5	46.0	-10.5	High Channel (927.5 MHz) Boom Mic. In Down Position
928.002	16.5	8.9	1.0	300.0	3.0	10.0	Vert	QP	0.0	35.4	46.0	-10.6	High Channel (927.5 MHz) Boom Mic. In Side Position

FIELD STRENGTH OF HARMONICS AND SPURIOUS RADIATED EMISSIONS

Work Order:	LISA0030	**Date:**	08/19/15		
Project:	None	**Temperature:**	25.5 °C		
Job Site:	EV01	**Humidity:**	42.4% RH		
Serial Number:	US 001	**Barometric Pres.:**	1010.3 mbar	**Tested by:**	Luke Richardson, Rod Peloquin
EUT:	Tango Aviation Headset				
Configuration:	4				
Customer:	LightSpeed Aviation				
Attendees:	Eduard Vaynberg				
EUT Power:	Battery				
Operating Mode:	On Tx Continuous FM modulation				
Deviations:	None				
Comments:	Audio device set next to boom mic. to create FM modulation. Please reference the data comments for EUT orientation frequency and channel.				

Test Specifications	**Test Method**
FCC 15.249:2015	ANSI C63.10:2013

Run #	24	**Test Distance (m)**	3	**Antenna Height(s)**	1 to 4(m)	**Results**	Pass



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
5533.520	36.5	9.7	2.2	130.0	3.0	0.0	Horz	AV	0.0	46.2	54.0	-7.8	Low Channel (922.25 MHz) Boom Mic. In Down Position
5565.000	35.4	9.8	2.4	145.0	3.0	0.0	Horz	AV	0.0	45.2	54.0	-8.8	High Channel (927.5 MHz) Boom Mic. In Down Position
5533.525	35.2	9.7	1.6	319.0	3.0	0.0	Vert	AV	0.0	44.9	54.0	-9.1	Low Channel (922.25 MHz) Boom Mic. In Side Position
5547.033	34.9	9.7	1.3	127.0	3.0	0.0	Vert	AV	0.0	44.6	54.0	-9.4	Mid Channel (924.5 MHz) Boom Mic. In Side Position
5565.058	34.7	9.8	1.1	127.0	3.0	0.0	Vert	AV	0.0	44.5	54.0	-9.5	High Channel (927.5 MHz) Boom Mic. In Side Position
5533.535	34.2	9.7	3.3	172.0	3.0	0.0	Horz	AV	0.0	43.9	54.0	-10.1	Low Channel (922.25 MHz) Boom Mic. In Up Position
5547.092	32.1	9.7	3.1	36.0	3.0	0.0	Horz	AV	0.0	41.8	54.0	-12.2	Mid Channel (924.5 MHz) Boom Mic. In Down Position
5533.558	32.0	9.7	1.0	263.0	3.0	0.0	Vert	AV	0.0	41.7	54.0	-12.3	Low Channel (922.25 MHz) Boom Mic. In Down Position
5533.565	31.7	9.7	1.0	35.0	3.0	0.0	Horz	AV	0.0	41.4	54.0	-12.6	Low Channel (922.25 MHz) Boom Mic. In Side Position
3689.047	36.7	4.3	1.0	57.0	3.0	0.0	Horz	AV	0.0	41.0	54.0	-13.0	Low Channel (922.25 MHz) Boom Mic. In Down Position
3710.008	36.3	4.4	1.1	238.0	3.0	0.0	Horz	AV	0.0	40.7	54.0	-13.3	High Channel (927.5 MHz) Boom Mic. In Down Position
3698.025	36.3	4.3	1.0	227.0	3.0	0.0	Horz	AV	0.0	40.6	54.0	-13.4	Mid Channel (924.5 MHz) Boom Mic. In Down Position
3689.013	34.4	4.3	1.0	148.0	3.0	0.0	Vert	AV	0.0	38.7	54.0	-15.3	Low Channel (922.25 MHz) Boom Mic. In Side Position
3710.008	33.7	4.4	1.0	339.0	3.0	0.0	Vert	AV	0.0	38.1	54.0	-15.9	High Channel (927.5 MHz) Boom Mic. In Side Position
2766.770	39.6	-1.5	1.0	302.0	3.0	0.0	Horz	AV	0.0	38.1	54.0	-15.9	Low Channel (922.25 MHz) Boom Mic. In Down Position
2782.500	39.2	-1.5	1.0	124.0	3.0	0.0	Horz	AV	0.0	37.7	54.0	-16.3	High Channel (927.5 MHz) Boom Mic. In Down Position
2773.492	39.1	-1.5	1.0	306.0	3.0	0.0	Horz	AV	0.0	37.6	54.0	-16.4	Mid Channel (924.5 MHz) Boom Mic. In Down Position
2773.475	37.1	-1.5	1.0	18.0	3.0	0.0	Vert	AV	0.0	35.6	54.0	-18.4	Mid Channel (924.5 MHz) Boom Mic. In Side Position
3698.042	30.6	4.3	1.0	18.0	3.0	0.0	Vert	AV	0.0	34.9	54.0	-19.1	Mid Channel (924.5 MHz) Boom Mic. In Side Position
2782.508	36.4	-1.5	1.0	197.0	3.0	0.0	Vert	AV	0.0	34.9	54.0	-19.1	High Channel (927.5 MHz) Boom Mic. In Side Position
1848.992	38.3	-5.0	1.0	41.0	3.0	0.0	Horz	AV	0.0	33.3	54.0	-20.7	Mid Channel (924.5 MHz) Boom Mic. In Down Position
2766.737	34.3	-1.5	1.0	197.0	3.0	0.0	Vert	AV	0.0	32.8	54.0	-21.2	Low Channel (922.25 MHz) Boom Mic. In Side Position
1844.520	37.7	-5.1	1.0	223.0	3.0	0.0	Horz	AV	0.0	32.6	54.0	-21.4	Low Channel (922.25 MHz) Boom Mic. In Down Position
5533.405	42.5	9.7	2.2	130.0	3.0	0.0	Horz	PK	0.0	52.2	74.0	-21.8	Low Channel (922.25 MHz) Boom Mic. In Down Position
5564.975	42.1	9.8	2.4	145.0	3.0	0.0	Horz	PK	0.0	51.9	74.0	-22.1	High Channel (927.5 MHz) Boom Mic. In Down Position
1849.025	36.9	-5.0	1.0	202.0	3.0	0.0	Vert	AV	0.0	31.9	54.0	-22.1	Mid Channel (924.5 MHz) Boom Mic. In Side Position
1854.983	36.8	-5.0	1.0	224.0	3.0	0.0	Horz	AV	0.0	31.8	54.0	-22.2	High Channel (927.5 MHz) Boom Mic. In Down Position
5547.150	41.8	9.7	1.3	127.0	3.0	0.0	Vert	PK	0.0	51.5	74.0	-22.5	Mid Channel (924.5 MHz) Boom Mic. In Side Position
5533.417	41.7	9.7	1.6	319.0	3.0	0.0	Vert	PK	0.0	51.4	74.0	-22.6	Low Channel (922.25 MHz) Boom Mic. In Side Position
1855.000	36.3	-5.0	1.0	179.0	3.0	0.0	Vert	AV	0.0	31.3	54.0	-22.7	High Channel (927.5 MHz) Boom Mic. In Side Position
5565.050	41.5	9.8	1.1	127.0	3.0	0.0	Vert	PK	0.0	51.3	74.0	-22.7	High Channel (927.5 MHz) Boom Mic. In Side Position
1844.537	36.3	-5.1	1.0	112.0	3.0	0.0	Vert	AV	0.0	31.2	54.0	-22.8	Low Channel (922.25 MHz) Boom Mic. In Side Position
5533.475	41.3	9.7	3.3	172.0	3.0	0.0	Horz	PK	0.0	51.0	74.0	-23.0	Low Channel (922.25 MHz) Boom Mic. In Up Position
5533.483	40.5	9.7	1.0	263.0	3.0	0.0	Vert	PK	0.0	50.2	74.0	-23.8	Low Channel (922.25 MHz) Boom Mic. In Down Position
5547.242	40.4	9.7	3.1	36.0	3.0	0.0	Horz	PK	0.0	50.1	74.0	-23.9	Mid Channel (924.5 MHz) Boom Mic. In Down Position
5533.455	40.4	9.7	1.0	35.0	3.0	0.0	Horz	PK	0.0	50.1	74.0	-23.9	Low Channel (922.25 MHz) Boom Mic. In Side Position

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
3688.830	43.4	4.3	1.0	57.0	3.0	0.0	Horz	PK	0.0	47.7	74.0	-26.3	Low Channel (922.25 MHz) Boom Mic. In Down Position
3710.075	42.7	4.4	1.1	238.0	3.0	0.0	Horz	PK	0.0	47.1	74.0	-26.9	High Channel (927.5 MHz) Boom Mic. In Down Position
3698.100	42.5	4.3	1.0	227.0	3.0	0.0	Horz	PK	0.0	46.8	74.0	-27.2	Mid Channel (924.5 MHz) Boom Mic. In Down Position
3709.925	41.6	4.4	1.0	339.0	3.0	0.0	Vert	PK	0.0	46.0	74.0	-28.0	High Channel (927.5 MHz) Boom Mic. In Side Position
3689.113	41.7	4.3	1.0	148.0	3.0	0.0	Vert	PK	0.0	46.0	74.0	-28.0	Low Channel (922.25 MHz) Boom Mic. In Side Position
3697.883	40.1	4.3	1.0	18.0	3.0	0.0	Vert	PK	0.0	44.4	74.0	-29.6	Mid Channel (924.5 MHz) Boom Mic. In Side Position
2766.737	45.1	-1.5	1.0	302.0	3.0	0.0	Horz	PK	0.0	43.6	74.0	-30.4	Low Channel (922.25 MHz) Boom Mic. In Down Position
2773.525	44.6	-1.5	1.0	306.0	3.0	0.0	Horz	PK	0.0	43.1	74.0	-30.9	Mid Channel (924.5 MHz) Boom Mic. In Down Position
2782.558	44.5	-1.5	1.0	124.0	3.0	0.0	Horz	PK	0.0	43.0	74.0	-31.0	High Channel (927.5 MHz) Boom Mic. In Down Position
2773.492	43.7	-1.5	1.0	18.0	3.0	0.0	Vert	PK	0.0	42.2	74.0	-31.8	Mid Channel (924.5 MHz) Boom Mic. In Side Position
2782.592	43.6	-1.5	1.0	197.0	3.0	0.0	Vert	PK	0.0	42.1	74.0	-31.9	High Channel (927.5 MHz) Boom Mic. In Side Position
2766.845	42.6	-1.5	1.0	197.0	3.0	0.0	Vert	PK	0.0	41.1	74.0	-32.9	Low Channel (922.25 MHz) Boom Mic. In Side Position
1849.042	44.7	-5.0	1.0	41.0	3.0	0.0	Horz	PK	0.0	39.7	74.0	-34.3	Mid Channel (924.5 MHz) Boom Mic. In Down Position
1844.470	44.1	-5.1	1.0	223.0	3.0	0.0	Horz	PK	0.0	39.0	74.0	-35.0	Low Channel (922.25 MHz) Boom Mic. In Down Position
1849.133	43.4	-5.0	1.0	202.0	3.0	0.0	Vert	PK	0.0	38.4	74.0	-35.6	Mid Channel (924.5 MHz) Boom Mic. In Side Position
1854.867	43.2	-5.0	1.0	224.0	3.0	0.0	Horz	PK	0.0	38.2	74.0	-35.8	High Channel (927.5 MHz) Boom Mic. In Down Position
1844.420	42.9	-5.1	1.0	112.0	3.0	0.0	Vert	PK	0.0	37.8	74.0	-36.2	Low Channel (922.25 MHz) Boom Mic. In Side Position
1855.017	42.8	-5.0	1.0	179.0	3.0	0.0	Vert	PK	0.0	37.8	74.0	-36.2	High Channel (927.5 MHz) Boom Mic. In Side Position