Application for Certification For a Transceiver.

Taser International Inc. 17800 North 85th Street Scottsdale, AZ 85255

Body Worn Video Camera

M/N: Axon Body 2

FCC ID: X4GS00947 IC ID: 8803A-S00947

REPORT # UT66044C-003

This report was prepared in accordance with the requirements of the FCC Rules and Regulations Part 2, Subpart J, 2.1033, Part 15.247, RSS-247 Issue 1, and other applicable sections of the rules as indicated herein.

Prepared By:

DNB Engineering, Inc. 1100 E Chalk Creek Road Coalville, UT 84017

30 Dec 2015

TABLE OF CONTENTS

Paragraph numbers in this report follow the application section numbers found in the FEDERAL COMMUNICATIONS COMMISSION Rules and Regulations, Part 2, Subpart J for Certification of electronic equipment.

1.0			E DATA						
			s and Qualifications.						
			ent Repeatability Information						
		1 1	ent List.						
			ry Cross Reference.						
	1.5 N	A easuremen	t Uncertainty	5					
2.103	3 (b) (2) F	CC Identifi	er	7					
2.103	3 (b) (3) I	nstallation a	and Operating Instructions.	8					
2.103	3 (b) (4) H	Brief Descrip	ption of Circuit Function	9					
2.103	3 (b) (5) H	Block Diagra	am	10					
2.103	3 (b) (6) F	Report of M	easurements	11					
	15.203	-	Antenna Requirement	12					
	15.207		Conducted Emissions (General Provisions)	13					
	15.209		Radiated Emissions (General Provisions)	19					
	15.247		Spurious Radiated Emissions	26					
	15.247 (a,2)	6 dB Bandwidth.	32					
			99% Occupied Bandwidth						
	15.247 (a,2,b3)	Maximum Peak Output Power (Conducted)	53					
	15.247 (a,2,d)	Conducted Band Edge and Out of Band Emissions						
	15.247 (a,2,d)	Spurious RF Conducted Emissions	70					
	15.247(a	ı,2,e):	Power spectral density(PSD)	80					
2.103	3 (b) (7) E	Equipment P	Photographs	90					
End o	of Report I	JT66044C-0	003	91					

1.0 ADMINISTRATIVE DATA

1.1 Certifications and Qualifications

I certify that DNB Engineering, Inc conducted the tests performed in order to obtain the technical data presented in this application. Also, based on the results of the enclosed data, I have concluded that the equipment tested meets or exceeds the requirements of the Rules and Regulations governing this application.

1.2 Measurement Repeatability Information

The test data presented in this report has been acquired using the guidelines set forth in FCC Part 2.1031 through 2.1057, Part 15. The test results presented in this document are valid only for the equipment identified herein under the test conditions described. Repeatability of these test results will only be achieved with identical measurement conditions. These conditions include: The same test distance, EUT Height, Measurement Site Characteristics, and the same EUT System Components. The system must have the same Interconnecting Cables arranged in identical placement to that in the test set-up, with the system and/or EUT functioning in the identical mode of operation (i.e. software and so on) as on the date of the test. Any deviation from the test conditions and the environment on the date of the test may result in measurement repeatability difficulties.

All changes made to the EUT during the course of testing as identified in this test report must be incorporated into the EUT or identical models to ensure compliance with the FCC regulations.

C. L. Payne III (Para. 1.1)

Facility Manager Coalville Facility.

Co Fayne If

DNB Engineering, Inc.

Tel. (435) 336-4433

FAX (435) 336-4436

1.3 Test Equipment List

TEST EQUIPMENT LIST - CONDUCTED EMISSIONS									
Description	Manufacturer/MN	Asset #	Serial #	Cal Due					
LISN	Fisher LISN-50/32-4-01	U-286	2020	19-Jan-16					
LISN	FisherFCCLISN-50/250/25/8	U-062	5003	11-Nov-16					
Spectrum Analyzer	Agilent/E7401A	U-257	MY42000103	08-Jan-16					
Spectrum Analyzer	R&S/FSV30	U-248	101367	18-Jun-16					
CDN 16 amp	Fischer/FCC801M316A	U-169	64	09-Jul-17					
TILE Software	ETS Lindgren/ 3.4.11.13	U-317	8112006	13-Oct-16					
Current Probe	Solar/ 6741-1	U-267	966727	19-Jan-16					

TEST EQUIPMENT LIST - RADIATED EMISSIONS									
Description	Manufacturer/MN	Asset #	Serial #	Cal Due					
Amplifier	HP/8447D	U-065	2727A06180	5-Jan-16					
Amplifier	HP/8447D	U-066	2727A06181	5-Jan-16					
Amplifier	HP/8447D	U-068	2727A06184	5-Jan-16					
Amplifier HF	DNB / S-21G	U-095	U-095-1	15-Dec-16					
Bicon Antenna	SCH/BBA9106	U-186	7	18-May-17					
Log P Antenna	SCH/UHAL09107	U-010	10	10-Oct-16					
DRG Horn Antenna	AH Systems/SAS-200/571	U-156	222	23-Apr-17					
Spectrum Analyzer	Agilent/E7401A	U-257	MY42000103	8-Jan-16					
Spectrum Analyzer	R&S/FSV30	U-248	101367	18-Jun-16					
TILE Software	ETS- Lindgern/ 3.4.11.13	U-317	8112006	13-Oct-16					

TEST EQUIPMENT LIST - ANTENNA CONDUCTED							
Description	Manufacturer/MN	Asset #	Serial #	Cal Due			
Spectrum Analyzer	R&S/FSV30	U-248	101367	18-Jun-16			

1.4 Test Summary Cross Reference

Test Item	FCC Requirement	IC Requirement	Test Method	Result
Antenna Requirement	FCC Part 15, Subpart C Section 15.203 / 15.247	RSS-Gen Section 8.1.3		Pass
AC Power Line Conducted Emissions	FCC Part 15, Subpart C Section 15.207	RSS-Gen Section 8.8	ANSI C63.10 (2013) Section 6.2	Pass
Minimum 6dB Bandwidth	FCC Part 15, Subpart C Section 15.247 (a,2)	RSS-247 Issue 1 May 2015 Section 5.2	ANSI C63.10 (2013) Section 11.8.1	Pass
99% Occupied Bandwidth		RSS-Gen Section 6.6	RSS-Gen Section 6.6	Pass
Conducted Peak Output Power	FCC Part 15, Subpart C Section 15.247 (a,2,b,3)	RSS-247 Issue 1 May 2015 Section 5.4	ANSI C63.10 (2013) Section 11.9.1.2	Pass
Power Spectrum Density	FCC Part 15, Subpart C Section 15.247 (a,2,e)	RSS-247 Issue 1 May 2015 Section 5.2	ANSI C63.10 (2013) Section 11.10.2	Pass
Conducted Spurious Emissions and Band Edge	FCC Part 15, Subpart C Section 15.247 (a,2,d)	RSS-247 Issue 1 May 2015 Section 5.5	ANSI C63.10 (2013) Section 11.12.2.4	Pass
Radiated Spurious Emissions and Band Edge	FCC Part 15, Subpart C Section 15.209 / 15.205	RSS-247 Issue 1 May 2015 Section 5.5	ANSI C63.10 (2013) Section 6.4, 6.5, 6.6, 6.10	Pass

Preliminary scans were performed to determine worst case modulation, packet length, and data rates. Only worst case data has been recorded within the body of the test report.

1.5 Measurement Uncertainty

Measurement Type	Uncertainty
AC Conducted Emissions	± 3.41 dB
OATS - Radiated Emissions - Vertical Biconical (30-300MHz)	± 4.15 dB
OATS - Radiated Emissions - Horizontal Biconical (30-300MHz)	± 4.18 dB
OATS - Radiated Emissions - Vertical Log Periodic (300-100MHz)	± 5.62 dB
OATS - Radiated Emissions - Horizontal Log Periodic (300-1000MHz)	± 4.40 dB
OATS - Radiated Emissions - Vertical DRG Horn (> 1GHz)	± 5.09 dB
OATS - Radiated Emissions - Horizontal DRG Horn (>1GHz)	± 5.17 dB
Antenna Conducted Measurements	± 1.96 dB

2.1033 (b) (1) Application for Certification

Name of Applicant: Taser International Inc.

17800 North 85th Street Scottsdale, AZ 85255

FRN Number: 0017326364 IC Number: 8803A

Name of Manufacturer: Taser International Inc.

17800 North 85th Street Scottsdale, AZ 85255

Description: Body Worn Video Camera

Part Name: Axon Body 2

Part Number(s): 74001, 74004, 74040, 74042, and 74016

Anticipated Production Quantity: Multiple Units

Type of Signal: Digital Transmission System (DTS)

Rated Power: 100 mW (Including Production Tolerances)

Frequency Band: 2412 - 2462 MHz

WLAN: 802.11b/g/n20

Modulation Technique: 802.11 b: DSSS (CCK, DQPSK, DBPSK)

802.11g/n20: OFDM (64QAM, 16QAM, QPSK, BPSK)

Data Rate: 802.11 b: 1/2/5.5/11 Mbps

802.11 g: 6/9/12/18/24/36/48/54 Mbps

802.11n20: MCS0 - MCS7

Antenna Type: Monopole

Antenna Gain: 3.9 dbi

2.1033 (b) (2) FCC Identifier

FCC ID: X4GS00947 IC ID: 8803A-S00947

Figure 1 - Label and location



2.1033 (b) (3) Installation and Operating Instructions

Supplied separately.

2.1033 (b) (4) Brief Description of Circuit Function

The Axon Body 2 is a camera system incorporating an audio and video recording device. This camera is designed for use in tough environmental conditions encountered in law enforcement, corrections, military, and security activities. The Axon Body 2 camera is designed to record events for secure storage, retrieval, and analysis via Evidence.com services. The recorded events are transferred to your storage solution via the Axon Dock, or by using Evidence Sync software installed on a Windows computer.

The Axon Body 2 camera has two operating modes designed to accommodate the needs of law enforcement, corrections, security, and the military. The default mode, or BUFFERING mode, provides pre-event buffering to capture activities that occur prior to the user activating the EVENT mode. In addition, the Axon Mobile application enables playback of footage on a smart phone for review prior to storing the data.

2.1033 (b) (5) Block Diagram

Supplied separately for confidentiality.

2.1033 (b) (6) Report of Measurements

15.203 Antenna Requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

- Pass Antenna gain is less than 6dBi (approx 2 dBi gain)
- Pass The antenna is permanently attached within the device and can not be replaced by the user.

Test Procedure: As specified in ANSI C63.10-2013

To measure conducted emissions, the EUT was set upon a wooden table in the shielded enclosure. AC power was fed into the EUT from the Artificial Mains Network. With the Artificial Mains Network connected to an Rhode & Schwarz FSV Signal and Spectrum Analyzer, and using Personal Computer with TILES Measurement Software, the spectrum was searched from 0.15 - 30 MHz for emissions emanating from the EUT.

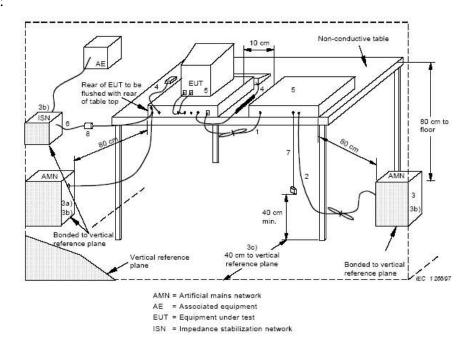
Frequency of emission	Conducted	Limit (dBuV)
(MHz)	Quasi-Peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.5 - 5	56	46
5 - 30	60	50

^{*} Decreases with the logarithm of the frequency.

EUT operating conditions:

The software provided by the client to enable the EUT to transmit continuously.

Test Set Up:





Conducted Emissions

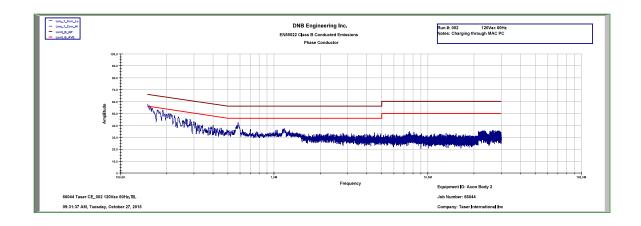
				-			
DNB Job Number:	66044	Date:	27 Oct 2015	Specification			
Customer:	[X] 15.207						
Model Number:	[X] ANSI C63.10-2013						
Description:							
TEST SET UP - CONDUCTED EMISSIONS							





Conducted Emissions

DND I.1.	N l	66044			Data	Date: 27 Oct 2015			C:::::	4:
DNB Job	Number:	66044			Date:		/ Oct	2015	Specifica	tion
Customer:		Taser In	nternational	Inc.				г	X] 15.207	
Model Nu	mber:	Axon B	ody 2					-	X] ANSI C63.	.10-2013
Descriptio	n:	Body W	orn Video	Camera						
		Chargin	g from MA	C personal	computer					
EUT is in conformance with FCC 15.207					X YES	NO	Signed		Y Staples	
			CC	ONDUCTEI) EMISSIO	NS				
Freq in	Meter	Factor	s in dB	Corr'd	Lin	mit			Measure	Delta
MHz	Reading	LISN	Cable	Reading	dBuV		Lead	Type		
0.150	50.63	0.05	0.30	50.98	56.00	AV	Έ	Phase	QP	-5.02
0.187	48.20	0.00	0.30	48.50	55.00	AV	Έ	Phase	QP	-6.50



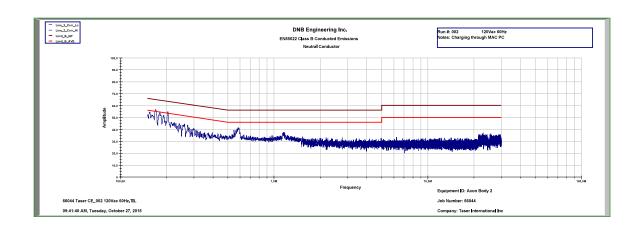


Conducted Emissions

DNB Job Number:	66044	Date:	27 Oct 2015	Specification	
Customer:	Taser International Inc.	[X] 15.207			
Model Number:	[X] ANSI C63.10-2013				
Description:	on: Body Worn Video Camera				
	Charging from MAC personal con				

CONDUCTED EMISSIONS

Freq in	Meter Factors in dB Corr'd		Limit		I and	Measure	Delta		
MHz	Reading	LISN	Cable	Reading	dBuV	Type	Lead	Type	
0.152	36.86	0.00	0.30	37.16	56.00	AVE	Neutral	QP	-18.84
0.168	32.53	0.00	0.30	32.83	55.00	AVE	Neutral	QP	-22.17
0.180	31.65	0.00	0.30	31.95	55.00	AVE	Neutral	QP	-23.05
0.203	34.27	0.00	0.30	34.57	54.00	AVE	Neutral	QP	-19.43



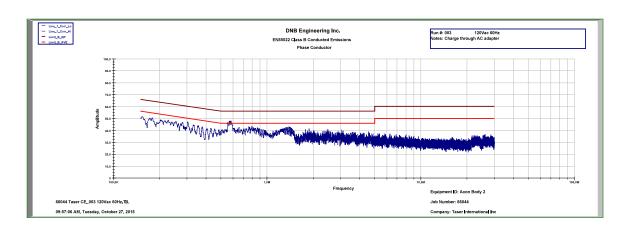


Conducted Emissions

DNB Job Number:	66044	Date:	27 Oct 2015	Specification
Customer:	Taser International Inc.	[V] 15 207		
Model Number:	[X] 15.207 [X] ANSI C63.10-2013			
Description:	Body Worn Video Camera			
	Charging through Direct-Plug-In F			

CONDUCTED EMISSIONS

Freq in	Freq in Meter		Factors in dB		Liı	mit	Lood	Measure	Delta
MHz	Reading	LISN	Cable	Reading dBuV Type		Type	Lead	Type	
0.560	37.12	0.00	0.20	37.32	46.00	AVE	Phase	AVE	-8.68
0.560	44.53	0.00	0.20	44.73	56.00	QP	Phase	QP	-11.27
0.572	38.79	0.00	0.20	38.99	46.00	AVE	Phase	AVE	-7.01
0.572	45.89	0.00	0.20	46.09	56.00	QP	Phase	QP	-9.91
0.580	37.78	0.00	0.20	37.98	46.00	AVE	Phase	AVE	-8.02
0.580	45.62	0.00	0.20	45.82	56.00	QP	Phase	QP	-10.18





0.570

0.570

31.00

40.98

1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436

LISN

0.00

0.00

Cable

0.20

0.20

Conducted Emissions

Neutral

Neutral

AVE

QP

-14.80

-14.82

DNB Job	Number:	66044		2015	Specification				
Customer:			[X] 15.207						
Model Nu	mber:	Axon B	_	[X] 13.207 [X] ANSI C63.10-2013					
Description	on:	Body W	orn Video						
	Charging through Direct-Plug-In Power Supply								
			CC	ONDUCTED	EMISSIO	NS			
Freq in	Meter	Factor	s in dB	Corr'd	Lir	nit	Land	Measure	Delta
MHz	Reading	LISN	Cable	Reading	dBuV	Type	Lead	Type	

31.20

41.18

dBuV

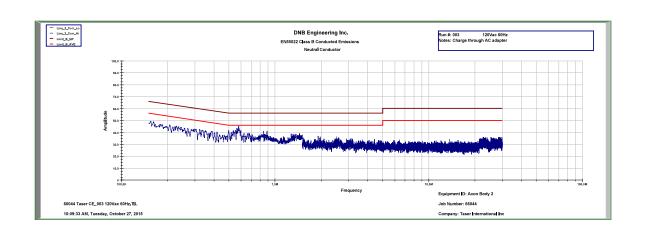
46.00

56.00

Type

AVE

QP



Test Procedure: ANSI C63.10-2013

The EUT was measured on an open area test site (OATS).

A measuring distance of at least 3 m shall be used for measurements at frequencies up to 1 GHz. For frequencies above 1 GHz, any suitable measuring distance may be used. The equipment size (excluding the antenna) shall be less than 20 % of the measuring distance.

Sufficient precautions shall be taken to ensure that reflections from extraneous objects adjacent to the site do not degrade the measurement results, in particular:

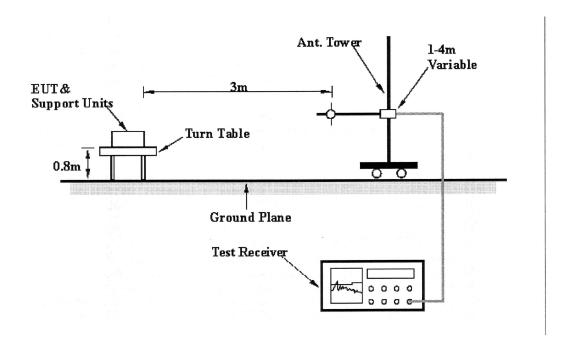
- no extraneous conducting objects having any dimension in excess of a quarter wavelength of the highest frequency tested shall be in the immediate vicinity of the site;
- all cables shall be as short as possible; as much of the cables as possible shall be on the ground plane or preferably below; and the low impedance cables shall be screened.
- EUT was positioned in three orthogonal axis only the worst case data (X-Axis) has been recorded

The EUT shall be placed upon a non-conductive table (wooden for below 1GHz and styrene above 1GHz) 0.80 meters above the ground plane for frequencies from 30 to 1000MHz and 1.5 meters above the ground plane above 1 Ghz and shall be placed in the "worst case" transmitting mode. The EUT shall be rotated 360 degrees to find the azimuth maxima. The receive antenna shall then be raised and lowered between 1 to 4 meters to find the maximum signal emanating from the EUT. This signal strength is then recorded on the data sheets.

Frequency (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measurement Distance (meters)
.0009 - 0.490	2400/F(kHz)	20*(Log ₁₀ (2400/F(kHz))	300
0.490 - 1.705	24000/F(kHz)	20*(Log ₁₀ (24000/F(kHz))	30
1.705 - 30.0	30	29.5	30
30 - 88	100	40.0	3
88 - 216	150	43.5	3
216 - 960	200	46.0	3
Above 960	500	54.0	3



DNB Job Number:	66044	Date:	26 Oct 2015	Specification
Customer:	Taser International Inc.			[X] 15.209
Model Number:	Axon Body 2			[X] ANSI C63.10-2013
Description:	Body Worn Video Camera			
	Test Set Up			





DNB Job Number:	66044	Date:	26 Oct 2015	Specification							
Customer:	stomer: Taser International Inc.										
Model Number:	[X] 15.209 [X] ANSI C63.10-2013										
Description:	Body Worn Video Camera										
Test Set Up - Bicon - Horizontal											





DNB Job Number:	66044	Date:	26 Oct 2015	Specification						
Customer:	Taser International Inc.			[X] 15.209						
Model Number:	Model Number: Axon Body 2									
Description:	Body Worn Video Camera									
Test Set Up - Log Periodic - Horizontal										





						Kaulateu Ellissions (General)							
DNB Job N	umber:	6604	Date: 26 Oct 2015 Specification								on		
Customer:		Tase	r Internat	ional Inc.		·			EVI 15 200				
Model Num	ıber:	Axoı	n Body 2						[X] 15.209 [X] ANSI C63.10-2013				
Description	:	Body Worn Video Camera											
1			·	Mode - V		e Axis			-				
EUT	is in confe				X	YES	NO S	Signed	C	L Payne I	III		
FREQ			tion Fact			dBuV/m		8		tions			
(Mhz)	Meter	Ant	Cbl	Amp	Corr	Lim	Delta	Тур	Tbl	Pl	Hgt		
219.556	38.75	16.40	3.30	25.60	32.85	40.45	-7.60	QP	217	Н	1.00		
39.440	40.52	15.40	1.60	26.20	31.32	40.50	-9.18	QP	181	V	1.00		
299.100	38.47	20.50	4.20	25.50	37.67	47.45	-9.78	QP	172	Н	1.00		
135.514	38.60	13.90	2.80	25.90	29.40	40.45	-11.05	QP	30	Н	2.50		
165.383	37.36	14.50	3.00	25.80	29.06	40.45	-11.39	QP	236	Н	1.35		
40.200	38.07	15.10	1.60	26.20	28.57	40.50	-11.93	QP	250	V	1.00		
305.000	39.03	17.20	4.20	25.50	34.93	47.45	-12.52	QP	170	Н	1.00		
137.445	35.59	14.10	2.80	25.90	26.59	40.50	-13.91	QP	321	V	1.00		
389.775	37.68	17.60	4.80	26.10	33.98	47.45	-13.47	QP	61	Н	1.00		
135.000	34.90	13.90	2.80	25.90	25.70	40.50	-14.80	QP	267	V	1.00		
216.940	29.98	16.40	3.30	25.60	24.08	40.50	-16.42	QP	314	V	1.00		
240.000	36.87	16.50	3.40	25.60	31.17	47.45	-16.28	QP	206	Н	1.50		
58.789	37.75	8.50	1.80	26.10	21.95	40.50	-18.55	QP	360	V	1.00		
392.762	32.99	17.70	4.80	26.10	29.39	47.45	-18.06	QP	102	V	2.20		
305.668	29.73	17.20	4.20	25.50	25.63	47.45	-21.82	QP	30	V	2.00		
562.899	23.88	20.70	5.70	27.00	23.28	47.45	-24.17	QP	99	V	1.50		



						Kaulateu Ellissions (General)					eral)	
DNB Job N	umber:	6604	.4			Date:	26 C	Oct 2015	S	pecificati	on	
Customer:		Tase	r Internat	ional Inc.					[V] 15 '	200		
Model Num	ıber:	Axor	Axon Body 2 [X] 15.209 [X] ANSI C63.1							0-2013		
Description	:	Body	Worn V	ideo Cam	era				[]			
_		Buffe	ering Mo	de - Wors	t Case Ax	is						
EUT	is in confe				X		NO S	Signed	С	L Payne I	III	
FREQ		Correct	tion Fact	ors (dB)		dBuV/m			Posi	tions		
(Mhz)	Meter	Ant	Cbl	Amp	Corr	Lim	Delta	Тур	Tbl	Pl	Hgt	
938.050	25.34	24.80	7.60	26.60	31.14	47.45	-16.31	QP	324	V	4.00	
187.541	29.28	16.80	3.40	25.50	23.98	40.45	-16.47	QP	233	Н	4.00	
851.742	21.25	24.20	7.30	26.80	25.95	47.45	-21.50	QP	2	V	1.00	
935.566	20.15	24.80	7.50	26.60	25.85	47.45	-21.60	QP	332	Н	4.00	
500.332	24.42	19.90	5.50	26.90	22.92	47.45	-24.53	QP	89	Н	4.00	
262.343	25.46	18.20	3.90	25.40	22.16	47.45	-25.29	QP	335	V	1.00	
275.051	24.56	19.00	4.00	25.50	22.06	47.45	-25.39	QP	189	Н	4.00	
501.982	22.42	19.90	5.50	26.90	20.92	47.45	-26.53	QP	224	Н	4.00	
249.325	26.46	16.60	3.40	25.60	20.86	47.45	-26.59	QP	63	V	1.00	
502.630	22.34	19.90	5.50	26.90	20.84	47.45	-26.61	QP	75	Н	4.00	
250.050	24.84	17.40	3.80	25.40	20.64	47.45	-26.81	QP	360	Н	4.00	
265.570	23.70	18.40	3.90	25.40	20.60	47.45	-26.85	QP	150	V	1.00	
244.217	26.17	16.50	3.40	25.60	20.47	47.45	-26.98	QP	242	V	1.00	
144.027	22.08	13.90	2.80	25.90	12.88	40.45	-27.57	QP	360	V	1.00	
240.032	23.62	16.50	3.40	25.60	17.92	47.45	-29.53	QP	308	Н	4.00	



			1722 (433) 330-4430				Kadlated Emissions (General)					
DNB Job N	umber:	6604	4			Date:	26 C	Oct 2015	Sı	pecification	on	
Customer:		Tase	r Internat	ional Inc.					[V] 15 (200		
Model Num	nber:	Axoı	n Body 2							[X] 15.209 [X] ANSI C63.10-2013		
Description	:	Body	Worn V	ideo Cam								
1			·	de - Wor								
EUT	is in confe				X	YES	NO S	Signed	C	L Payne I	III	
FREQ			tion Fact			dBuV/m		8	Posit	· ·		
(Mhz)	Meter	Ant	Cbl	Amp	Corr	Lim	Delta	Тур	Tbl	Pl	Hgt	
859.338	33.19	24.20	7.30	26.80	37.89	47.45	-9.56	QP	242	V	4.00	
187.477	33.06	16.70	3.30	25.60	27.46	40.45	-12.99	QP	341	Н	4.00	
187.511	27.46	16.80	3.40	25.50	22.16	40.45	-18.29	QP	39	V	4.00	
152.121	29.50	14.00	2.80	25.90	20.40	40.45	-20.05	QP	360	Н	1.00	
644.342	26.31	21.80	6.20	27.00	27.31	47.45	-20.14	QP	360	Н	4.00	
889.121	21.85	24.50	7.40	26.80	26.95	47.45	-20.50	QP	311	V	4.00	
851.747	21.75	24.20	7.30	26.80	26.45	47.45	-21.00	QP	161	V	1.00	
952.572	20.35	24.90	7.60	26.50	26.35	47.45	-21.10	QP	136	Н	4.00	
131.958	28.54	13.60	2.80	25.90	19.04	40.45	-21.41	QP	2	Н	4.00	
489.589	25.33	19.70	5.40	26.80	23.63	47.45	-23.82	QP	99	Н	4.00	
500.336	24.77	19.90	5.50	26.90	23.27	47.45	-24.18	QP	2	Н	3.00	
494.710	24.74	19.80	5.50	26.90	23.14	47.45	-24.31	QP	360	Н	4.00	
244.995	28.73	16.50	3.40	25.60	23.03	47.45	-24.42	QP	102	V	1.00	
256.908	26.67	17.80	3.90	25.40	22.97	47.45	-24.48	QP	23	V	1.00	
160.000	23.95	14.50	3.00	25.80	15.65	40.45	-24.80	QP	142	Н	4.00	
250.056	26.31	17.40	3.80	25.40	22.11	47.45	-25.34	QP	360	V	2.00	
120.017	25.60	12.50	2.60	26.10	14.60	40.45	-25.85	QP	206	Н	4.00	
449.575	23.72	18.70	5.20	26.50	21.12	47.45	-26.33	QP	360	Н	2.00	
240.181	24.58	16.50	3.40	25.60	18.88	47.45	-28.57	QP	247	V	1.00	
150.014	16.94	14.00	2.80	25.90	7.84	40.45	-32.61	QP	2	Н	4.00	

15.247 Spurious Radiated Emissions

This test is required for any spurious emission or modulation product that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT. Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = $1 \text{ MHz for f} \quad 1 \text{ GHz}, 100 \text{ kHz for f} < 1 \text{ GHz}$

VBW = RBW Sweep = auto

Detector function = peak Trace = max hold

Follow the guidelines in ANSI C63.10-2013with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization, etc. A pre-amp and a high pass filter are required for this test, in order to provide the measuring system with sufficient sensitivity. Allow the trace to stabilize. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, which must comply with the limit specified in Section 15.35(b). Submit this data.

Now set the VBW to 10 Hz, while maintaining all of the other instrument settings. This peak level, once corrected, must comply with the limit specified in Section 15.209. If the dwell time per channel of the hopping signal is less than 100 ms, then the reading obtained with the 10 Hz VBW may be further adjusted by a "duty cycle correction factor", derived from 20log(dwell time/100 ms), in an effort to demonstrate compliance with the 15.209 limit. Submit this data.

If the emission on which a radiated measurement must be made is located at the edge of the authorized band of operation, then the alternative "marker-delta" method, listed at the end of this document, may be employed.

Note 1:Limit listed is the general limit as specified in 15.209 in order to show compliance with the restricted bands of operation as well as the out of band limit in 15.247. No other identifiable signals were observed in the restricted bands as specified in 15.205.

Note 2:Highest frequency investigated was the tenth harmonic of the fundamental, no radiated emissions were detected above the 3rd harmonic.



DNB Job Number:	66044	Date:	21 Dec 2015	Specification						
Customer:	Taser International Inc.			[X] 15.247 (c)						
Model Number:	[X] ANSI C63.10-2013									
Description:	Body Worn Video Camera									
Test Set Up - (Vertical - DRG)										





DNB Job Number:	66044	Date:	21 Dec 2015	Specification
Customer:	Taser International Inc.			[X] 15.247 (c)
Model Number:	Axon Body 2			[X] ANSI C63.10-2013
Description:	Body Worn Video Camera			
	802.11b			

	Low Channel												
FREQ Material		Correction Factors (dB)			dBuV/m			Ту	Dala wite.				
(Mhz)	Meter	Ant	Cbl	Amp	Corr	Lim	Delta	Lim	Rdng	Polarity			
4824	26.90	33.07	7.82	25.50	42.29	54.00	-11.71	Ave	Peak	Hor			
7236	24.60	37.16	8.33	25.30	44.79	54.00	-9.21	Ave	Peak	Hor			
9648	26.70	37.86	5.50	24.94	45.11	54.00	-8.89	Ave	Peak	Hor			
4824	24.70	33.07	7.82	25.50	40.09	54.00	-13.91	Ave	Peak	Vert			
7236	23.80	37.16	8.33	25.30	43.99	54.00	-10.01	Ave	Peak	Vert			
9648	25.30	37.86	5.50	24.94	43.71	54.00	-10.29	Ave	Peak	Vert			

	Middle Channel										
FREQ	Meter	Correction Factors (dB)			dBuV/m			Ту	Dolowitz		
(Mhz)	Meter	Ant	Cbl	Amp	Corr	Lim	Delta	Lim	Rdng	Polarity	
4874	26.21	33.25	7.87	25.50	41.83	54.00	-12.17	Ave	Peak	Hor	
7311	27.03	37.11	8.44	25.30	47.28	54.00	-6.72	Ave	Peak	Hor	
9748	26.10	37.90	5.70	24.90	44.79	54.00	-9.21	Ave	Peak	Hor	
4874	23.59	33.25	7.87	25.50	39.21	54.00	-14.79	Ave	Peak	Vert	
7311	24.00	37.11	8.44	25.30	44.25	54.00	-9.75	Ave	Peak	Vert	
9748	22.11	37.90	5.70	24.90	40.80	54.00	-13.20	Ave	Peak	Vert	

	High Channel											
FREQ	3.5	Correction Factors (dB)			dBuV/m			Ту	Dalamita			
(Mhz)	Meter	Ant	Cbl	Amp	Corr	Lim	Delta	Lim	Rdng	Polarity		
4924	27.00	33.43	7.92	25.50	42.85	54.00	-11.15	Ave	Peak	Hor		
7386	27.86	37.07	8.54	25.30	48.17	54.00	-5.83	Ave	Peak	Hor		
9848	24.87	37.94	5.90	24.86	43.84	54.00	-10.16	Ave	Peak	Hor		
4924	24.11	33.43	7.92	25.50	39.96	54.00	-14.04	Ave	Peak	Vert		
7386	23.00	37.07	8.54	25.30	43.31	54.00	-10.69	Ave	Peak	Vert		
9848	22.76	37.94	5.90	24.86	41.73	54.00	-12.27	Ave	Peak	Vert		



DNB Job Number:	66044	Date:	21 Dec 2015	Specification
Customer:	Taser International Inc.			[X] 15.247 (c)
Model Number:	Axon Body 2			[X] ANSI C63.10-2013
Description:	Body Worn Video Camera			
	802.11g			

	Low Channel											
FREQ	Matan	Correction Factors (dB)			dBuV/m			Ту	Dolowitz			
(Mhz)	Meter	Ant	Cbl	Amp	Corr	Lim	Delta	Lim	Rdng	Polarity		
4824	27.16	33.07	7.82	25.50	42.55	54.00	-11.45	Ave	Peak	Hor		
7236	26.26	37.16	8.33	25.30	46.45	54.00	-7.55	Ave	Peak	Hor		
9648	22.36	37.86	5.50	24.94	40.77	54.00	-13.23	Ave	Peak	Hor		
4824	25.80	33.07	7.82	25.50	41.19	54.00	-12.81	Ave	Peak	Vert		
7236	22.34	37.16	8.33	25.30	42.53	54.00	-11.47	Ave	Peak	Vert		
9648	22.82	37.86	5.50	24.94	41.23	54.00	-12.77	Ave	Peak	Vert		

	Middle Channel										
FREQ	24	Correction Factors (dB)			dBuV/m			Ту	Dolowitz		
(Mhz)	Meter	Ant	Cbl	Amp	Corr	Lim	Delta	Lim	Rdng	Polarity	
4874	26.17	33.25	7.87	25.50	41.79	54.00	-12.21	Ave	Peak	Hor	
7311	28.05	37.11	8.44	25.30	48.30	54.00	-5.70	Ave	Peak	Hor	
9748	24.12	37.90	5.70	24.90	42.81	54.00	-11.19	Ave	Peak	Hor	
4874	24.82	33.25	7.87	25.50	40.44	54.00	-13.56	Ave	Peak	Vert	
7311	21.15	37.11	8.44	25.30	41.40	54.00	-12.60	Ave	Peak	Vert	
9748	22.66	37.90	5.70	24.90	41.35	54.00	-12.65	Ave	Peak	Vert	

	High Channel											
FREQ	3.5.4	Correction Factors (dB)			dBuV/m			Ту	Dolowitz			
(Mhz)	Meter	Ant	Cbl	Amp	Corr	Lim	Delta	Lim	Rdng	Polarity		
4924	27.87	33.43	7.92	25.50	43.72	54.00	-10.28	Ave	Peak	Hor		
7386	27.54	37.07	8.54	25.30	47.85	54.00	-6.15	Ave	Peak	Hor		
9848	23.62	37.94	5.90	24.86	42.59	54.00	-11.41	Ave	Peak	Hor		
4924	25.69	33.43	7.92	25.50	41.54	54.00	-12.46	Ave	Peak	Vert		
7386	24.79	37.07	8.54	25.30	45.10	54.00	-8.90	Ave	Peak	Vert		
9848	23.47	37.94	5.90	24.86	42.44	54.00	-11.56	Ave	Peak	Vert		



DNB Job Number:	66044	Date:	21 Dec 2015	Specification
Customer:	Taser International Inc.			[X] 15.247 (c)
Model Number:	Axon Body 2			[X] ANSI C63.10-2013
Description:	Body Worn Video Camera			
	802.11n20			

	Low Channel											
FREQ	3.5	Correction Factors (dB)			dBuV/m			Ту	Dalamita			
(Mhz)	Meter	Ant	Cbl	Amp	Corr	Lim	Delta	Lim	Rdng	Polarity		
4824	31.50	33.07	7.82	25.50	46.89	54.00	-7.11	Ave	Peak	Hor		
7236	30.85	37.16	8.33	25.30	51.04	54.00	-2.96	Ave	Peak	Hor		
9648	25.87	37.86	5.50	24.94	44.28	54.00	-9.72	Ave	Peak	Hor		
4824	31.82	33.07	7.82	25.50	47.21	54.00	-6.79	Ave	Peak	Vert		
7236	29.15	37.16	8.33	25.30	49.34	54.00	-4.66	Ave	Peak	Vert		
9648	24.43	37.86	5.50	24.94	42.84	54.00	-11.16	Ave	Peak	Vert		

	Middle Channel										
FREQ	27.	Correction Factors (dB)			dBuV/m			Ту	Dolowitz		
(Mhz)	Meter	Ant	Cbl	Amp	Corr	Lim	Delta	Lim	Rdng	Polarity	
4874	32.20	33.25	7.87	25.50	47.82	54.00	-6.18	Ave	Peak	Hor	
7311	30.96	37.11	8.44	25.30	51.21	54.00	-2.79	Ave	Peak	Hor	
9748	27.69	37.90	5.70	24.90	46.38	54.00	-7.62	Ave	Peak	Hor	
4874	26.39	33.25	7.87	25.50	42.01	54.00	-11.99	Ave	Peak	Vert	
7311	29.00	37.11	8.44	25.30	49.25	54.00	-4.75	Ave	Peak	Vert	
9748	27.13	37.90	5.70	24.90	45.82	54.00	-8.18	Ave	Peak	Vert	

	High Channel											
FREQ	3.5.4	Correction Factors (dB)			dBuV/m			Ту	Dalamit.			
(Mhz)	Meter	Ant	Cbl	Amp	Corr	Lim	Delta	Lim	Rdng	Polarity		
4924	35.20	33.43	7.92	25.50	51.05	54.00	-2.95	Ave	Peak	Hor		
7386	30.00	37.07	8.54	25.30	50.31	54.00	-3.69	Ave	Peak	Hor		
9848	28.36	37.94	5.90	24.86	47.33	54.00	-6.67	Ave	Peak	Hor		
4924	26.11	33.43	7.92	25.50	41.96	54.00	-12.04	Ave	Peak	Vert		
7386	29.42	37.07	8.54	25.30	49.73	54.00	-4.27	Ave	Peak	Vert		
9848	27.81	37.94	5.90	24.86	46.78	54.00	-7.22	Ave	Peak	Vert		



DNB Job Number:	66044	Date:	21 Dec 2015	Specification
Customer:	Taser International Inc.			[V] 15 247 (a)
Model Number:	Axon Body 2			[X] 15.247 (c) [X] ANSI C63.10-2013
Description:	Body Worn Video Camera			

	Radiated Corrected Band Edge - 801.11b											
FREQ	Meter	Correc	tion Facto	rs (dB)	dBuV/m			Ту	Dolowitz			
(Mhz)	Meter	Ant	Cbl	Amp	Corr	Lim	Delta	Lim	Rdng	Polarity		
2400.0	15.70	29.44	3.36	26.32	22.18	54.00	-31.82	Ave	Peak	Hor		
2400.0	16.00	29.44	3.36	26.32	22.48	54.00	-31.52	Ave	Peak	Vert		
2483.5	18.20	29.66	3.48	26.30	25.03	54.00	-28.97	Ave	Peak	Hor		
2483.5	17.90	29.66	3.48	26.30	24.73	54.00	-29.27	Ave	Peak	Vert		

Radiated Corrected Band Edge - 801.11g											
FREQ	Meter	Correc	tion Facto	rs (dB)		dBuV/m		Ту	D-1		
(Mhz) Metel	Meter	Ant	Cbl	Amp	Corr	Lim	Delta	Lim	Rdng	Polarity	
2400.0	16.10	29.44	3.36	26.32	22.58	54.00	-31.42	Ave	Peak	Hor	
2400.0	15.90	29.44	3.36	26.32	22.38	54.00	-31.62	Ave	Peak	Vert	
2483.5	17.80	29.66	3.48	26.30	24.63	54.00	-29.37	Ave	Peak	Hor	
2483.5	18.30	29.66	3.48	26.30	25.13	54.00	-28.87	Ave	Peak	Vert	

	Radiated Corrected Band Edge - 801.11n20											
FREQ	Meter	Correc	tion Facto	ors (dB)		dBuV/m		Ту	Polarity			
(Mhz)	Meter	Ant	Cbl	Amp	Corr	Lim	Delta	Lim	Rdng	Folarity		
2400.0	15.80	29.44	3.36	26.32	22.28	54.00	-31.72	Ave	Peak	Hor		
2400.0	16.20	29.44	3.36	26.32	22.68	54.00	-31.32	Ave	Peak	Vert		
2483.5	18.00	29.66	3.48	26.30	24.83	54.00	-29.17	Ave	Peak	Hor		
2483.5	18.10	29.66	3.48	26.30	24.93	54.00	-29.07	Ave	Peak	Vert		

15.247 (a,2) 6 dB Bandwidth

Test Procedure: ANSI C63.10-2013

6 dB Bandwidth

Use the following spectrum analyzer settings:

Span = approximately 2 to 3 times the 6 dB bandwidth, centered on a hopping channel

RBW 1% of the 6 dB bandwidth

VBW RBW Sweep = auto

Detector function = peak

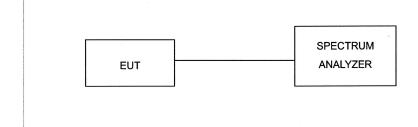
Trace = max hold

The EUT should be transmitting at its maximum data rate. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 6 dB down one side of the emission. Reset the marker-delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is the 6 dB bandwidth of the emission. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s).

EUT operating conditions:

The software provided by the client to enable the EUT to transmit continuously.

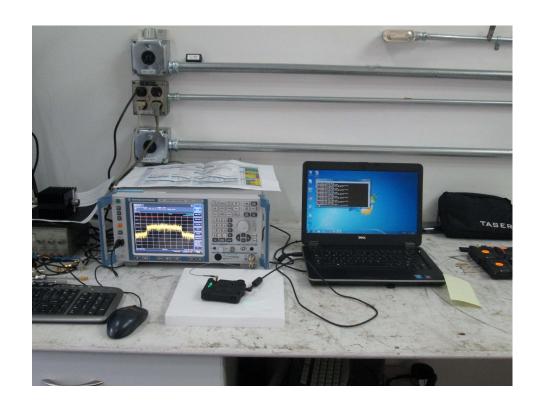
Test Set Up: (Note following set up was used for all antenna conducted measurements)





Measurement Test Set Up

DNB Job Number:	66044	Conformance Standard							
Customer:	Taser International Inc.	Taser International Inc.							
Model Number:	FCC Part 15								
Description:	Clause								
	15.247								
	Antenna Conducted Me	easurement S	et Up						





6 dB Single Channel Bandwidth

DNB Job Number:	66044		Date:	18 Dec 2015	Conformance			
Customer:	Taser Interr	national Inc.	Standard					
Model Number:	Axon Body	2		FCC Part 15				
Description:	Body Worn	Video Camera	Clause					
	Test Proced	lure	15.247(a,2)					
		Environmental C	Conditions					
Ambient Temper	Ambient Temperature Relative Hu			Baron	metric Pressure			
21 °C	101.2 kPa							
EUT performed within t	EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne							

6 dB Bandwidth

Use the following spectrum analyzer settings:

Span = approximately 2 to 3 times the 6dB bandwidth, centered on a hopping channel

RBW 1% of the 6dB bandwidth

VBW RBW

Sweep = auto

Detector function = peak

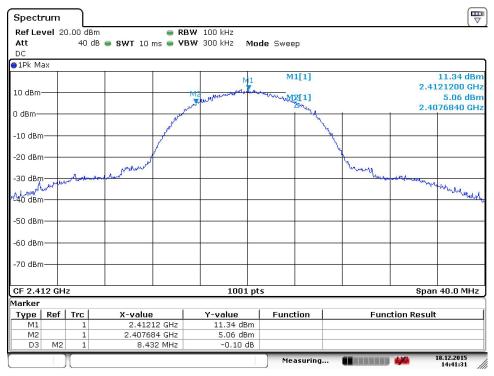
Trace = max hold

The EUT should be transmitting at its maximum data rate. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 6 dB down one side of the emission. Reset the marker-delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is the 6 dB bandwidth of the emission. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s).



6 dB Single Channel Bandwidth

	o de Single Chain.						1 Dulla Wiatii	
DNB Job Number:	66044			Date:		18 Dec 2015	Conformance	
Customer:	Taser Interr	national		Standard				
Model Number:	Axon Body	2		FCC Part 15				
Description:	Body Worn	Video		Clause				
	801.11b			15.247(a,2)				
		Е	nvironmental C	Condition	ns			
Ambient Temp	erature		Relative Hur	nidity		Baron	netric Pressure	
21 °C			25 %			1	101.2 kPa	
EUT performed within	n the requiremen	nts of th	e applicable sta	ındard	[X] Ye	s [] No Le	es Payne	
Channel	Chl Freq (M	MHz) 6dB BW (k		(Hz)	Limit		Pass/Fail	
Low	2412		8432.00	0	> 500 kHz		Pass	

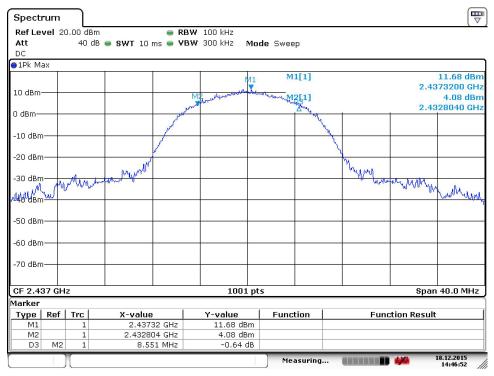


Date: 18.DEC.2015 14:41:31



6 dB Single Channel Bandwidth

	o ub single chains						1 Dulla Wiatii	
DNB Job Number:	66044				18 Dec 2015	Conformance		
Customer:	Taser Interr	national		Standard				
Model Number:	Axon Body	2		FCC Part 15				
Description:	Body Worn	Video		Clause				
	801.11b			15.247(a,2)				
		Е	nvironmental C	Condition	ıs			
Ambient Temp	erature		Relative Hur	nidity		Baron	netric Pressure	
21 °C			25 %			1	101.2 kPa	
EUT performed within	n the requiremen	nts of th	e applicable sta	ındard	[X] Ye	s [] No Le	es Payne	
Channel	Chl Freq (M	MHz) 6dB BW (k		(Hz)	Limit		Pass/Fail	
Middle	2437		8551.00	0	> 500 kHz		Pass	

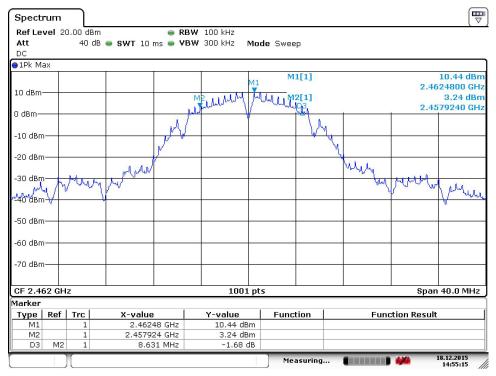


Date: 18.DEC.2015 14:46:52



6 dB Single Channel Bandwidth

	·	o de single channe							
DNB Job Number:	66044	66044 Date: 18 Dec 2015							
Customer:	Taser Interna	ational		Standard					
Model Number:	Axon Body	2		FCC Part 15					
Description:	Body Worn	Video		Clause					
	801.11b			15.247(a,2)					
		Е	nvironmental C	Condition	ıs				
Ambient Temp	erature		Relative Hur	nidity		Baron	Barometric Pressure		
21 °C			25 %			1	101.2 kPa		
EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne							es Payne		
Channel	Chl Freq (M	MHz) 6dB BW (k		(Hz)	Hz) Limit		Pass/Fail		
High	2462		8631.00	0	> 500 kHz		Pass		

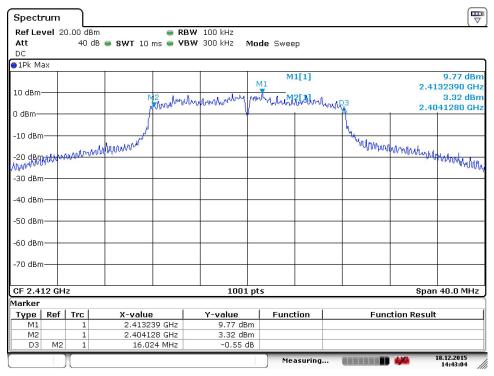


Date: 18.DEC.2015 14:55:15



6 dB Single Channel Bandwidth

		o uz singic chumic							
DNB Job Number:	66044		18 Dec 2015	Conformance					
Customer:	Taser Intern	ational		Standard					
Model Number:	Axon Body	2		FCC Part 15					
Description:	Body Worn	Video		Clause					
	801.11g			15.247(a,2)					
		Е	nvironmental C	Condition	ıs				
Ambient Temp	erature		Relative Hur	nidity		Baron	Barometric Pressure		
21 °C			25 %		101.2 kPa				
EUT performed within	the requiremen	its of th	e applicable sta	ındard	[X] Ye	s [] No Le	es Payne		
Channel	Chl Freq (M	(Hz) 6dB BW (k		(Hz)	z) Limit		Pass/Fail		
Low	2412		16024.00	00	> 500 kHz		Pass		

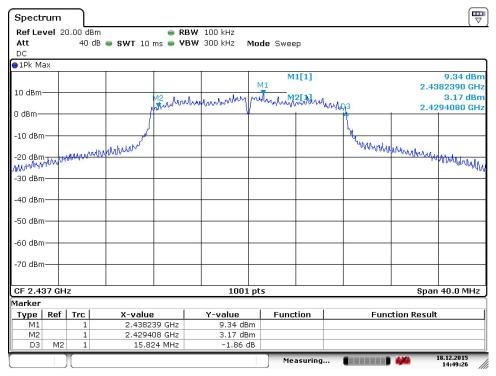


Date: 18.DEC.2015 14:43:04



6 dB Single Channel Bandwidth

	,	o up single channe					ci banawiatn		
DNB Job Number:	66044	66044 Date: 18 Dec 2015							
Customer:	Taser Interna	Taser International Inc.							
Model Number:	Axon Body 2	2	FCC Part 15						
Description:	Body Worn	Video	Clause						
	801.11g		15.247(a,2)						
		E	nvironmental C	ondition	ns				
Ambient Tempe	erature		Relative Hur	nidity		Baron	ometric Pressure		
21 °C			25 %				101.2 kPa		
EUT performed within	the requiremen	ts of th	e applicable sta	ndard	[X] Yes	[] No L	es Payne		
Channel	Chl Freq (MI	(Hz) 6dB BW (k		Hz)	Limit		Pass/Fail		
Middle	2437		15824.00	00	> 500 kHz		Pass		

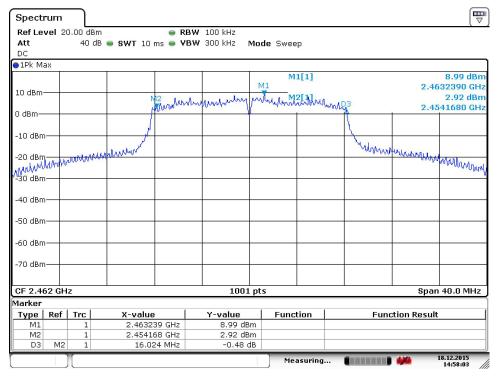


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6 dB Single Channel Bandwidth

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DNB Job Number:	66044	66044 Date:					Conformance	
Customer:	Taser Intern	national	Standard					
Model Number:	Axon Body	2	FCC Part 15					
Description:	Body Worn	Video	Clause					
	801.11g		15.247(a,2)					
		Е	Invironmental C	ondition	ıs			
Ambient Temp	erature		Relative Hur	nidity		Barometric Pressure		
21 °C			25 %				101.2 kPa	
EUT performed within	n the requiremen	nts of th	e applicable sta	ndard	[X] Yes	s [] No <i>I</i>	es Payne	
Channel	Chl Freq (M	MHz) 6dB BW (k		Hz)	Limit		Pass/Fail	
High	2462		16024.00	00	> 500 kHz		Pass	



Date: 18.DEC.2015 14:58:03