

**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 # UT66044D-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

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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.

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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.
DNB Engineering, Inc.
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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

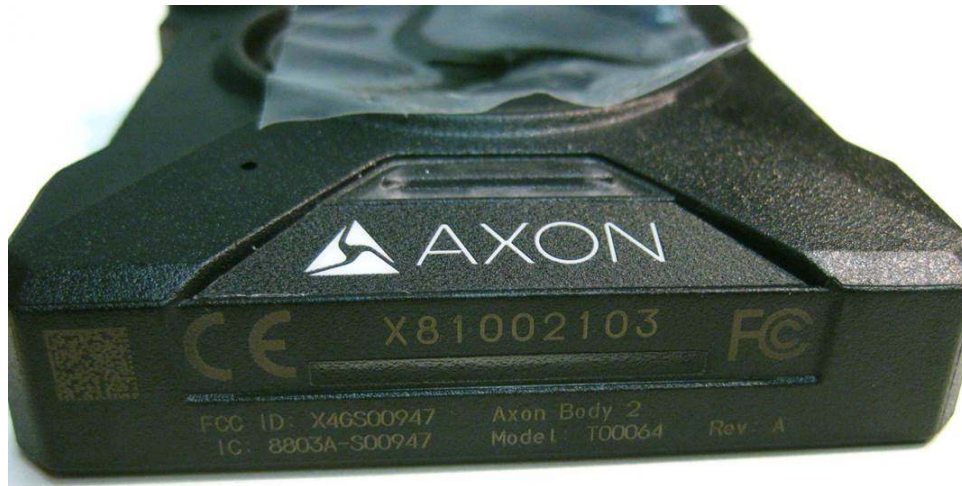
2.1033 (b) (1) Application for Certification

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
Frequency Band:	2402 - 2480 MHz
Rated Power:	10 mW
Type of Signal:	Digital Transmission System (DTS)
Channels:	40 (BLE)
Max Data Rate:	1Mbps (mega-bit) - Data transmission is not continuous, it happens for short intervals for short periods of time.
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

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.

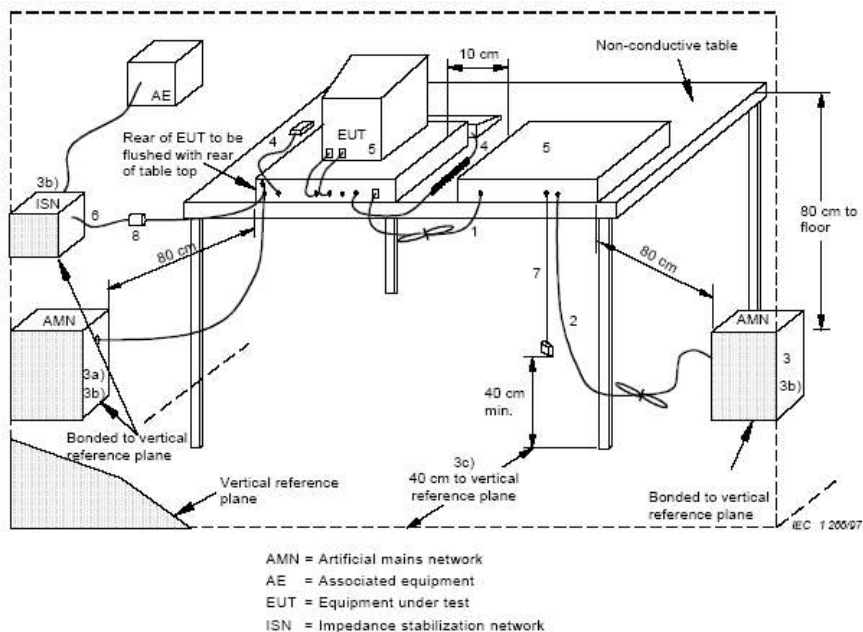
Frequency of emission (MHz)	Conducted Limit (dBuV)	
	Quasi-Peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.5 - 5	56	46
5 - 30	60	50


* Decreases with the logarithm of the frequency.

EUT operating conditions:


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

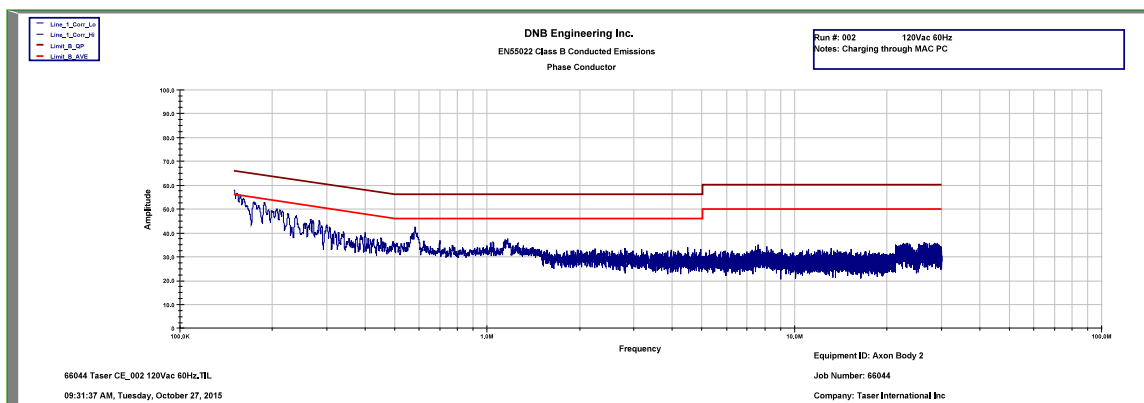
Test Set Up:




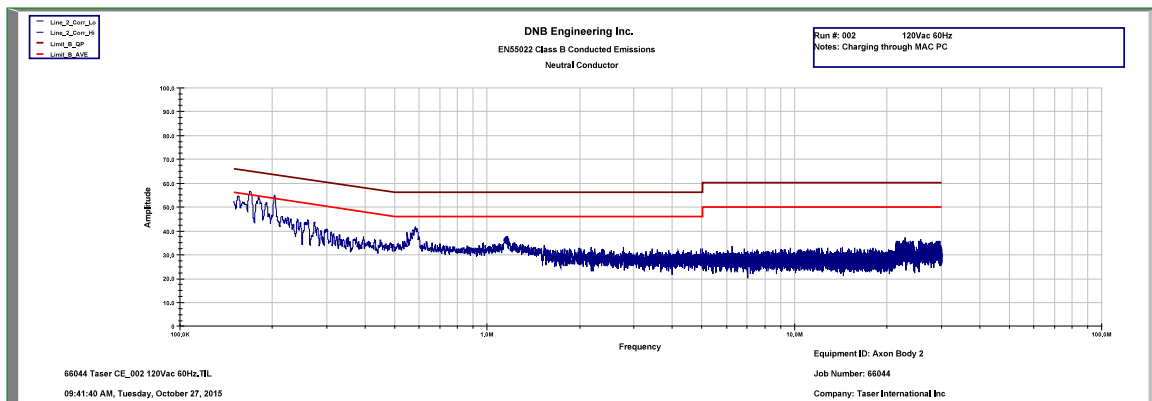
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Conducted Emissions		
DNB Job Number:	66044	Date:	27 Oct 2015	Specification [X] 15.207 [X] ANSI C63.10-2013
Customer:	Taser International Inc.			
Model Number:	Axon Body 2			
Description:	Body Worn Video Camera			
TEST SET UP - CONDUCTED EMISSIONS				



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<h2>Conducted Emissions</h2>					
DNB Job Number:		66044		Date:		27 Oct 2015		Specification [X] 15.207 [X] ANSI C63.10-2013	
Customer:		Taser International Inc.							
Model Number:		Axon Body 2							
Description:		Body Worn Video Camera Charging from MAC personal computer							
EUT is in conformance with FCC 15.207				X	YES		NO	Signed	<i>Y Staples</i>
CONDUCTED EMISSIONS									
Freq in MHz	Meter Reading	Factors in dB		Corr'd Reading	Limit		Lead	Measure Type	Delta
		LISN	Cable		dBuV	Type			
0.150	50.63	0.05	0.30	50.98	56.00	AVE	Phase	QP	-5.02
0.187	48.20	0.00	0.30	48.50	55.00	AVE	Phase	QP	-6.50



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		Conducted Emissions					
DNB Job Number:		66044		Date:		27 Oct 2015		Specification [X] 15.207 [X] ANSI C63.10-2013	
Customer:		Taser International Inc.							
Model Number:		Axon Body 2							
Description:		Body Worn Video Camera							
		Charging from MAC personal computer							
CONDUCTED EMISSIONS									
Freq in MHz	Meter Reading	Factors in dB		Corr'd Reading	Limit		Lead	Measure Type	Delta
		LISN	Cable		dBuV	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





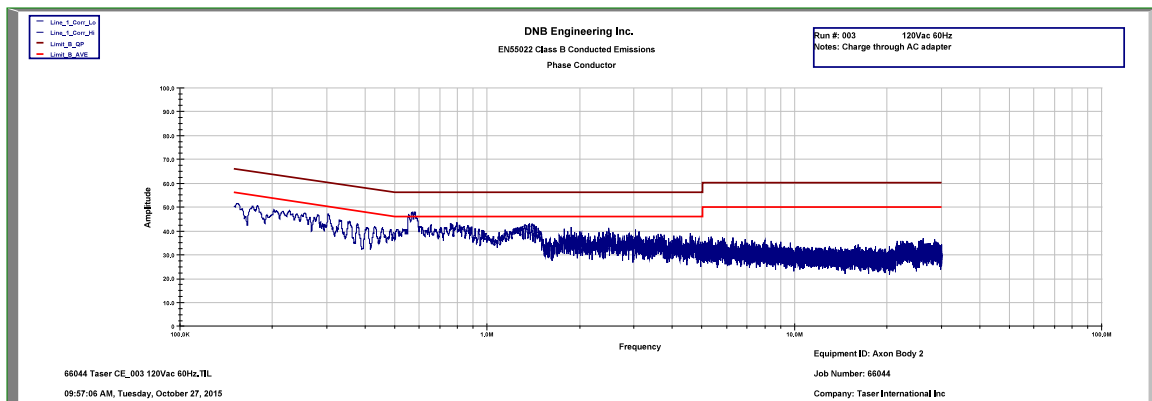
1100 E Chalk Creek Road
Coalville, UT 84017
(435) 336-4433
FAX (435) 336-4436

Conducted Emissions

DNB Job Number:	66044	Date:	27 Oct 2015	Specification [X] 15.207 [X] ANSI C63.10-2013
Customer:	Taser International Inc.			
Model Number:	Axon Body 2			
Description:	Body Worn Video Camera			
	Charging through Direct-Plug-In Power Supply			

CONDUCTED EMISSIONS

Freq in MHz	Meter Reading	Factors in dB		Corr'd Reading	Limit		Lead	Measure Type	Delta
		LISN	Cable		dBuV	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





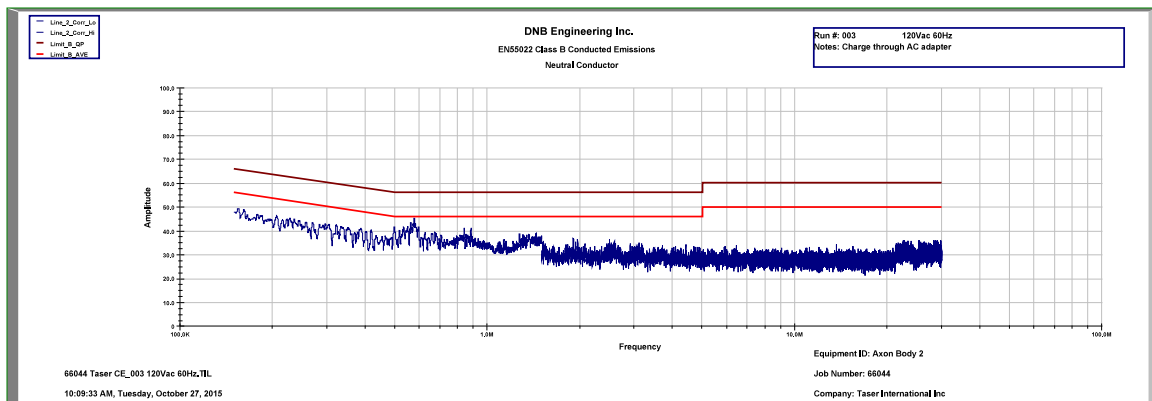
1100 E Chalk Creek Road
Coalville, UT 84017
(435) 336-4433
FAX (435) 336-4436

Conducted Emissions

DNB Job Number:	66044	Date:	27 Oct 2015	Specification [X] 15.207 [X] ANSI C63.10-2013
Customer:	Taser International Inc.			
Model Number:	Axon Body 2			
Description:	Body Worn Video Camera			
	Charging through Direct-Plug-In Power Supply			

CONDUCTED EMISSIONS

Freq in MHz	Meter Reading	Factors in dB		Corr'd Reading	Limit		Lead	Measure Type	Delta
		LISN	Cable		dBuV	Type			
0.570	31.00	0.00	0.20	31.20	46.00	AVE	Neutral	AVE	-14.80
0.570	40.98	0.00	0.20	41.18	56.00	QP	Neutral	QP	-14.82



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.

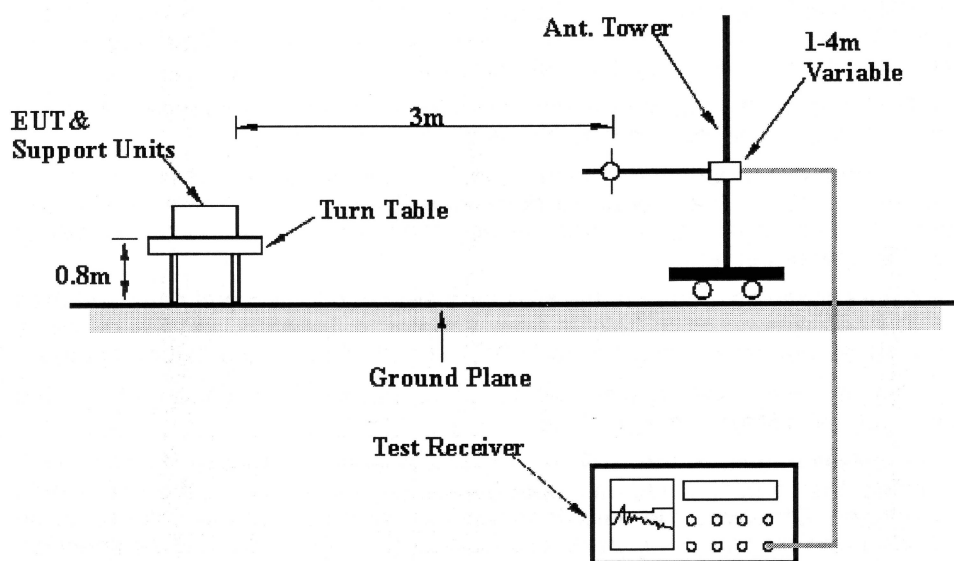
Sufficient precautions shall be taken to ensure that reflections from extraneous objects adjacent to the site do not degrade the measurement results, in particular:


- 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

	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Radiated Emissions (General)		
DNB Job Number:	66044	Date:	26 Oct 2015	Specification [X] 15.209 [X] ANSI C63.10-2013
Customer:	Taser International Inc.			
Model Number:	Axon Body 2			
Description:	Body Worn Video Camera			
	Test Set Up			





	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Radiated Emissions (General)		
DNB Job Number:	66044	Date:	26 Oct 2015	Specification [X] 15.209 [X] ANSI C63.10-2013
Customer:	Taser International Inc.			
Model Number:	Axon Body 2			
Description:	Body Worn Video Camera			
Test Set Up - Bicon - Horizontal				




	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Radiated Emissions (General)		
DNB Job Number:	66044	Date:	26 Oct 2015	Specification [X] 15.209 [X] ANSI C63.10-2013
Customer:	Taser International Inc.			
Model Number:	Axon Body 2			
Description:	Body Worn Video Camera			
Test Set Up - Log Periodic - Horizontal				



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436				Radiated Emissions (General)					
DNB Job Number:		66044				Date:		26 Oct 2015		Specification [X] 15.209 [X] ANSI C63.10-2013	
Customer:		Taser International Inc.									
Model Number:		Axon Body 2									
Description:		Body Worn Video Camera									
		USB Transfer Mode - Worst Case Axis									
EUT is in conformance with FCC 15.209					X	YES		NO	Signed	CL Payne III	
FREQ (Mhz)	Meter	Correction Factors (dB)			dBuV/m			Positions			
		Ant	Cbl	Amp	Corr	Lim	Delta	Typ	Tbl	Pl	Hgt
219.556	38.75	16.40	3.30	25.60	32.85	40.45	-7.60	QP	217	H	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	H	1.00
135.514	38.60	13.90	2.80	25.90	29.40	40.45	-11.05	QP	30	H	2.50
165.383	37.36	14.50	3.00	25.80	29.06	40.45	-11.39	QP	236	H	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	H	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	H	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	H	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

		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436				Radiated Emissions (General)							
DNB Job Number:		66044				Date:		26 Oct 2015		Specification [X] 15.209 [X] ANSI C63.10-2013			
Customer:		Taser International Inc.											
Model Number:		Axon Body 2											
Description:		Body Worn Video Camera											
		Buffering Mode - Worst Case Axis											
EUT is in conformance with FCC 15.209						X	YES		NO	Signed	<i>CL Payne III</i>		
FREQ (Mhz)	Meter	Correction Factors (dB)			dBuV/m			Positions					
		Ant	Cbl	Amp	Corr	Lim	Delta	Typ	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	H	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	H	4.00		
500.332	24.42	19.90	5.50	26.90	22.92	47.45	-24.53	QP	89	H	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	H	4.00		
501.982	22.42	19.90	5.50	26.90	20.92	47.45	-26.53	QP	224	H	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	H	4.00		
250.050	24.84	17.40	3.80	25.40	20.64	47.45	-26.81	QP	360	H	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	H	4.00		

		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436				Radiated Emissions (General)					
DNB Job Number:		66044				Date:		26 Oct 2015		Specification [X] 15.209 [X] ANSI C63.10-2013	
Customer:		Taser International Inc.									
Model Number:		Axon Body 2									
Description:		Body Worn Video Camera									
		Recording Mode - Worst Case Axis									
EUT is in conformance with FCC 15.209					X	YES		NO	Signed	CL Payne III	
FREQ (Mhz)	Meter	Correction Factors (dB)			dBuV/m			Positions			
		Ant	Cbl	Amp	Corr	Lim	Delta	Typ	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	H	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	H	1.00
644.342	26.31	21.80	6.20	27.00	27.31	47.45	-20.14	QP	360	H	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	H	4.00
131.958	28.54	13.60	2.80	25.90	19.04	40.45	-21.41	QP	2	H	4.00
489.589	25.33	19.70	5.40	26.80	23.63	47.45	-23.82	QP	99	H	4.00
500.336	24.77	19.90	5.50	26.90	23.27	47.45	-24.18	QP	2	H	3.00
494.710	24.74	19.80	5.50	26.90	23.14	47.45	-24.31	QP	360	H	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	H	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	H	4.00
449.575	23.72	18.70	5.20	26.50	21.12	47.45	-26.33	QP	360	H	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	H	4.00

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 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz
VBW = RBW
Sweep = auto
Detector function = peak
Trace = max hold


Follow the guidelines in ANSI C63.10-2013 with 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 $20\log(\text{dwell time}/100 \text{ ms})$, 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.

	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Radiated Emissions (Spurious)	
DNB Job Number:	66044	Date: 21 Dec 2015	Specification [X] 15.247 (c) [X] ANSI C63.10-2013
Customer:	Taser International Inc.		
Model Number:	Axon Body 2		
Description:	Body Worn Video Camera		
Test Set Up - (Vertical - DRG)			

