

FCC TEST REPORT

Product : Body Worn Camera Recorder
Trade mark : ReEnforcer
Model/Type reference : ReEnforcer
Serial Number : N/A
Ratings : Adapter: AC 100-240V, 50/60Hz
Battery : 3.7V
FCC ID : 2AETY-REENFORCER
Report Number : EED32H000191
Date : May 12, 2015
Regulations : See below

Test Standards	Results
<input checked="" type="checkbox"/> 47 CFR FCC Part 15 Subpart B:2014	PASS

Prepared for:

PANNIN TECHNOLOGIES, LLC
5090 WILFONG RD. MEMPHIS, TN. 38134 USA

Prepared by:

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Approved by:

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Date:

May 12, 2015



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Supervisor

Check No.: 1702065231

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(Note: N/A means not applicable)

1. GENERAL INFORMATION

Applicant: PANNIN TECHNOLOGIES, LLC
5090 WILFONG RD. MEMPHIS, TN. 38134 USA

Manufacturer: PANNIN TECHNOLOGIES, LLC
5090 WILFONG RD. MEMPHIS, TN. 38134 USA

Equipment Authorization: Certification

FCC ID: 2AETY-REENFORCER

Product: Body Worn Camera Recorder

Trade mark: ReEnforcer

Model/Type reference: ReEnforcer

Serial Number: N/A

The highest frequency of the internal sources: 396 MHz

Report Number: EED32H000191

Sample Received Date: Feb. 03, 2015

Sample tested Date: Feb. 03, 2015 to Feb. 26, 2015

2. TEST SUMMARY

The Product has been tested according to the following specifications:

Standard	Test Item	Test
FCC 15.107	Conducted Emission	Yes
FCC 15.109	Radiated Emission	Yes

3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Test item	Value (dB)
Conducted Emission	3.0
Radiated Emission	4.9

4. PRODUCT INFORMATION AND TEST SETUP

4.1. PRODUCT INFORMATION

Ratings:

Adapter: AC 100-240V, 50/60Hz

Battery : 3.7V

4.2. TEST SETUP CONFIGURATION

See test photographs attached in Appendix 1 for the actual connections between Product and support equipment.

4.3. SUPPORT EQUIPMENT

No.	Device Type	Brand	Model	Series No.	Data Cable	Remark
1.	PC	DELL	380MT	06054E	N/A	FCC DOC
2.	Monitor	SONY	KLV-22EX310	6006733	N/A	FCC DOC
3.	Keyboard	L.Selectron	GL-204	0510028847V2	N/A	FCC DOC
4.	Mouse	L.Selectron	M004	02284699	Un-shielded 1.2M	FCC DOC
5.	Printer	HP	1020	CNCK766629	Un-shielded 1.2M	FCC DOC

Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

5. FACILITIES AND ACCREDITATIONS

5.1 TEST FACILITY

All test facilities used to collect the test data are located at Hongwei Industrial Zone, 70 Area, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4, CISPR 16-1-1 and other equivalent standards.

5.2 TEST EQUIPMENT LIST

Instrumentation: The following list contains equipments used at CTI for testing.

The calibrations of the measuring instruments, including any accessories that may effect such calibration, are checked frequently to assure their accuracy. Adjustments are made and correction factors applied in accordance with instructions contained in the manual for the measuring instrument.

Equipment used during the tests:

Shielding Room No. 1 - Conducted Emission Test				
Equipment	Manufacturer	Model	Serial No.	Due Date
Receiver	R&S	ESCI	100009	07/08/2015
LISN	R&S	ENV216	100098	11/13/2015

3M Semi-anechoic Chamber (2)- Radiated disturbance Test				
Equipment	Manufacturer	Model	Serial No.	Due Date
3M Chamber & Accessory Equipment	TDK	SAC-3	---	06/01/2016
Receiver	R&S	ESCI	100435	07/08/2015
TRILOG Broadband Antenna	schwarzbeck	VULB 9163	618	06/17/2015
Multi device Controller	maturo	NCD/070/10711 112	---	N/A
Horn Antenna	ETS-LINGREN	3117	00057407	07/07/2015
Microwave Preamplifier	Agilent	8449B	3008A02425	01/28/2016

6. SYSTEM TEST CONFIGURATION

6.1. JUSTIFICATION

The system was configured for testing in a typical fashion (as a customer would normally use it), The Product was placed on a turn table, which enabled the engineer to maximize emissions through its placement as outlined in ANSI C63.4 (2009).

For maximizing emissions, the Product was rotated through 360°, the antenna height was varied from 1 meter to 4 meters above the ground plane, and the antenna polarization was changed. The rear of unit shall be flushed with the rear of the table.

All readings are extrapolated back to the equivalent three meter reading using inverse scaling with distance. Analyzer resolution is 100 kHz or greater for frequencies below 1000 MHz. The spurious emissions more than 20 dB below the permissible value are not reported.

7. CONDUCTED EMISSION TEST

7.1. LIMITS

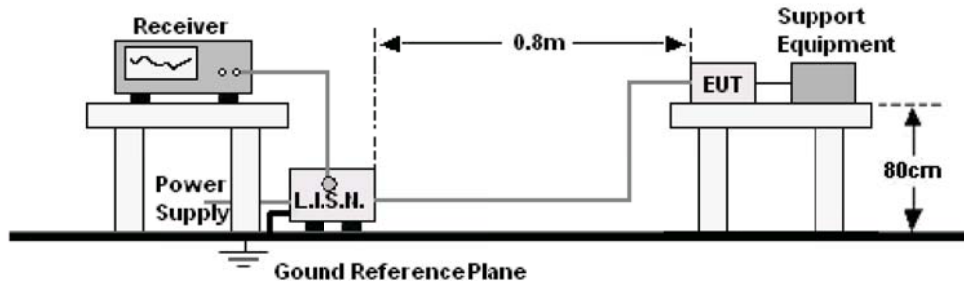
Limits for Class B digital devices

Frequency range (MHz)	Limits dB(μV)	
	Quasi-peak	Average
0,15 to 0,50	66 to 56	56 to 46
0,50 to 5	56	46
5 to 30	60	50

NOTE: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 to 0.50 MHz.

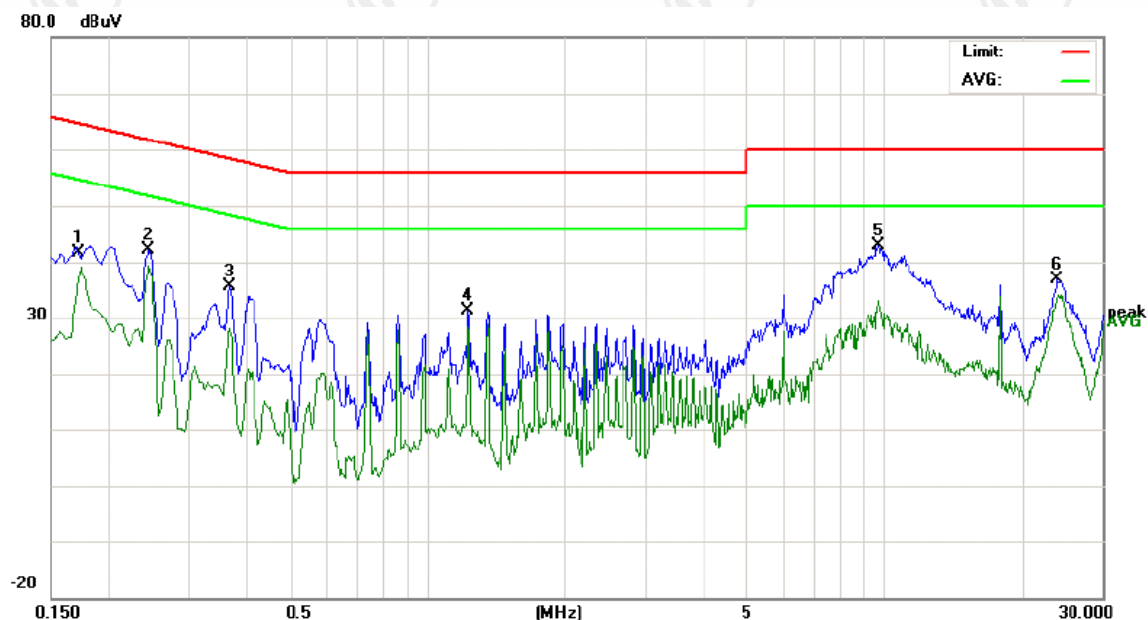
7.2. BLOCK DIAGRAM OF TEST SETUP



7.3. PROCEDURE OF CONDUCTED EMISSION TEST

- The Product was placed on a nonconductive table above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
- The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak and AVG detector in Max Hold mode. Run the receiver's pre-scan to record the maximum disturbance generated from Product in all power lines in the full band.
- For each frequency whose maximum record was higher or close to limit, measure its QP and AVG values and record.

7.4. WORST CASE TEST GRAPHS AND TEST DATA



Site site #1

Phase: L

Temperature: 22

Limit: FCC Class B CE(QP)

Power: AC 120V/60Hz

Humidity: 46 %

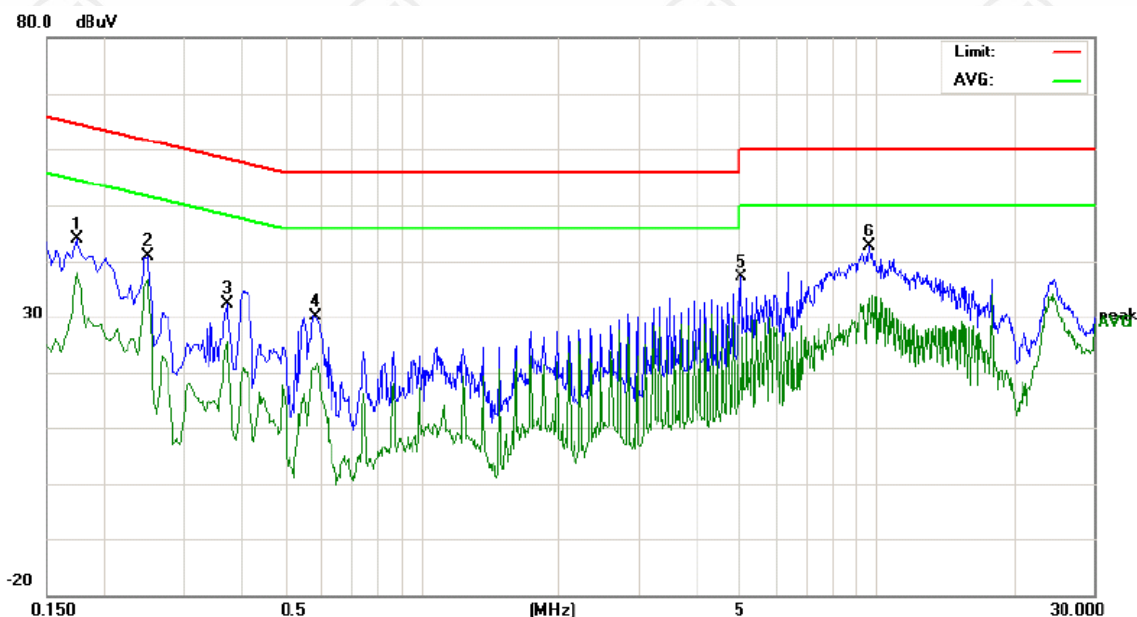
EUT: Body Worn Camera Recorder

M/N: ReEnforcer

Mode: Data exchange

Note:

No.	Freq. MHz	Reading_Level (dBuV)			Correct Factor dB	Measurement (dBuV)			Limit (dBuV)		Margin (dB)		P/F	Comment
		Peak	QP	AVG		peak	QP	AVG	QP	AVG	QP	AVG		
1	0.1740	30.70	29.90	29.14	9.90	40.60	39.80	39.04	64.76	54.76	-24.96	-15.72	P	
2	0.2460	32.32	30.40	29.57	9.90	42.22	40.30	39.47	61.89	51.89	-21.59	-12.42	P	
3	0.3700	25.72	22.80	18.22	9.90	35.62	32.70	28.12	58.50	48.50	-25.80	-20.38	P	
4	1.2340	21.44	19.80	18.45	9.90	31.34	29.70	28.35	56.00	46.00	-26.30	-17.65	P	
5	9.7260	32.90	29.50	23.09	9.99	42.89	39.49	33.08	60.00	50.00	-20.51	-16.92	P	
6	23.9900	26.48	24.20	22.91	10.32	36.80	34.52	33.23	60.00	50.00	-25.48	-16.77	P	



Site site #1

Phase: **N**

Temperature: 22

Limit: FCC Class B CE(QP)

Power: AC 120V/60Hz

Humidity: 46 %

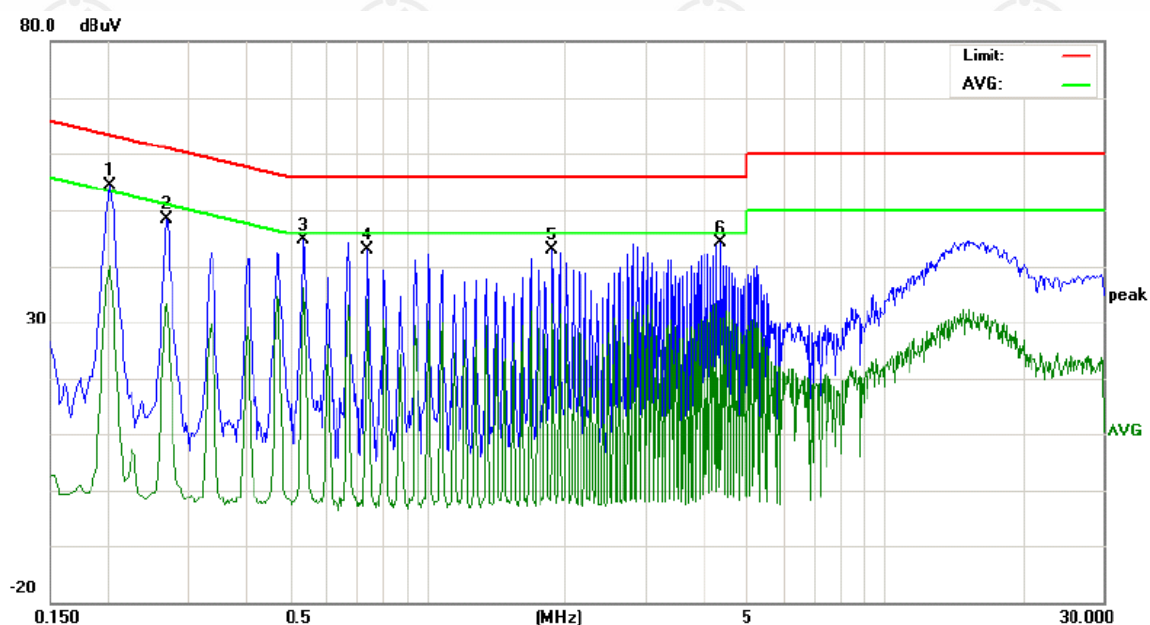
EUT: Body Worn Camera Recorder

M/N: ReEnforcer

Mode: Data exchange

Note:

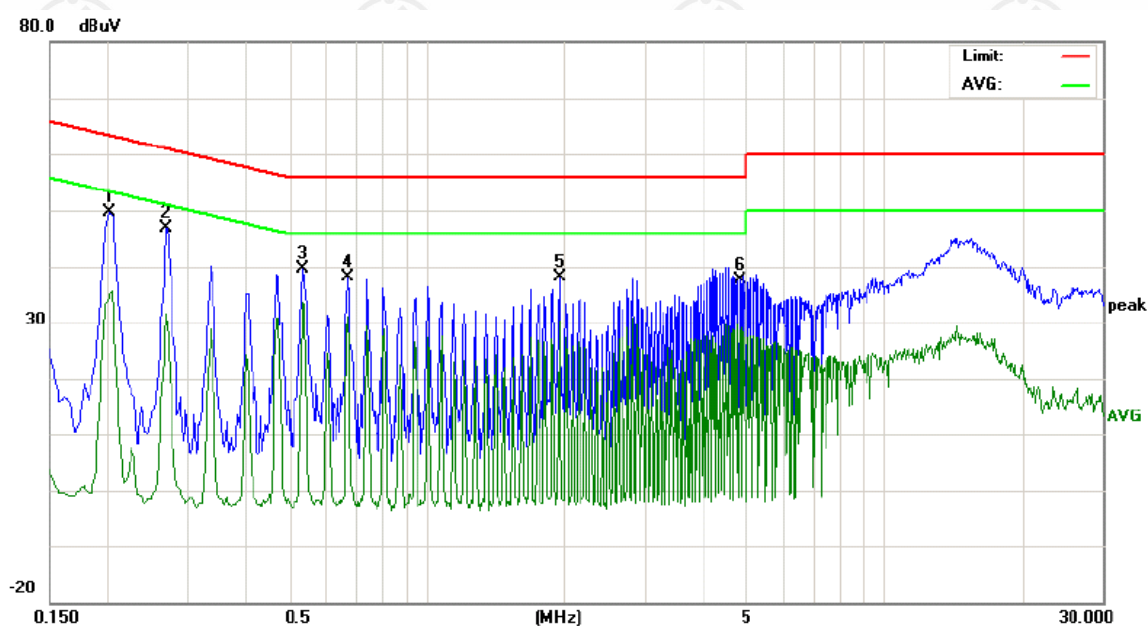
No.	Freq. MHz	Reading_Level (dBuV)			Correct Factor dB	Measurement (dBuV)			Limit (dBuV)		Margin (dB)		P/F	Comment
		Peak	QP	AVG		peak	QP	AVG	QP	AVG	QP	AVG		
1	0.1740	33.92	29.90	28.06	9.90	43.82	39.80	37.96	64.76	54.76	-24.96	-16.80	P	
2	0.2500	30.87	29.00	26.81	9.90	40.77	38.90	36.71	61.75	51.75	-22.85	-15.04	P	
3	0.3740	22.36	20.20	15.70	9.90	32.26	30.10	25.60	58.41	48.41	-28.31	-22.81	P	
4	0.5899	19.76	17.00	11.61	9.90	29.66	26.90	21.51	56.00	46.00	-29.10	-24.49	P	
5	5.0580	27.24	11.30	9.12	9.90	37.14	21.20	19.02	60.00	50.00	-38.80	-30.98	P	
6	9.6860	32.71	27.50	23.42	9.99	42.70	37.49	33.41	60.00	50.00	-22.51	-16.59	P	



Site site #1
Limit: FCC Class B CE(QP)
EUT: Body Worn Camera Recorder
M/N: ReEnforcer
Mode: charging
Note:

Phase: L
Power: AC 120V/60Hz
Temperature: 22
Humidity: 46 %

No.	Freq. MHz	Reading_Level (dBuV)			Correct Factor dB	Measurement (dBuV)			Limit (dBuV)		Margin (dB)		P/F	Comment
		Peak	QP	AVG		peak	QP	AVG	QP	AVG	QP	AVG		
1	0.2020	44.55	41.47	27.01	9.90	54.45	51.37	36.91	63.52	53.52	-12.15	-16.61	P	
2	0.2700	38.56	35.55	21.28	9.90	48.46	45.45	31.18	61.12	51.12	-15.67	-19.94	P	
3	0.5380	16.85	32.99	24.27	9.90	26.75	42.89	34.17	56.00	46.00	-13.11	-11.83	P	
4	0.7420	33.01	31.50	21.38	9.90	42.91	41.40	31.28	56.00	46.00	-14.60	-14.72	P	
5	1.8860	32.97	31.47	21.17	9.90	42.87	41.37	31.07	56.00	46.00	-14.63	-14.93	P	
6	4.3060	33.61	26.82	16.80	9.90	43.51	36.72	26.70	56.00	46.00	-19.28	-19.30	P	



Site site #1

Phase: **N**

Temperature: 22

Limit: FCC Class B CE(QP)

Power: AC 120V/60Hz

Humidity: 46 %

EUT: Body Worn Camera Recorder

M/N: ReEnforcer

Mode: charging

Note:

No.	Freq. MHz	Reading_Level (dBuV)			Correct Factor dB	Measurement (dBuV)			Limit (dBuV)		Margin (dB)		P/F	Comment
		Peak	QP	AVG		peak	QP	AVG	QP	AVG	QP	AVG		
1	0.2020	39.66	39.78	26.21	9.90	49.56	49.68	36.11	63.52	53.52	-13.84	-17.41	P	
2	0.2700	37.04	34.30	20.58	9.90	46.94	44.20	30.48	61.12	51.12	-16.92	-20.64	P	
3	0.5380	29.68	27.75	24.26	9.90	39.58	37.65	34.16	56.00	46.00	-18.35	-11.84	P	
4	0.6740	28.19	27.78	21.56	9.90	38.09	37.68	31.46	56.00	46.00	-18.32	-14.54	P	
5	1.9540	28.18	25.65	18.90	9.90	38.08	35.55	28.80	56.00	46.00	-20.45	-17.20	P	
6	4.7819	27.42	25.57	17.61	9.90	37.32	35.47	27.51	56.00	46.00	-20.53	-18.49	P	

8. RADIATED EMISSION TEST

8.1. LIMITS

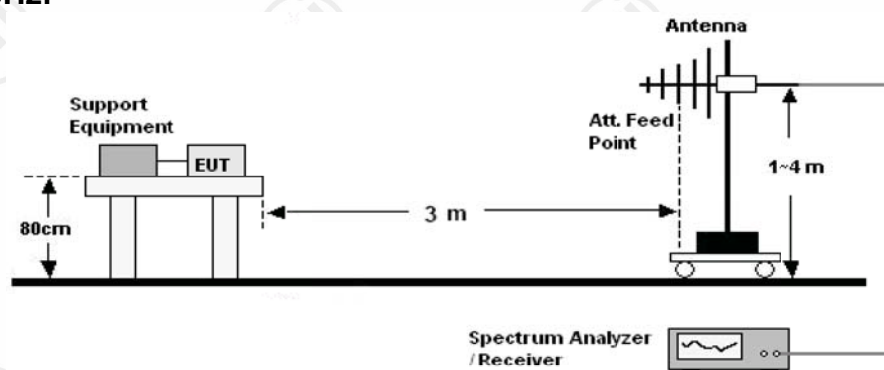
Limits for Class B digital devices

Frequency (MHz)	limits at 3m dB(μ V/m)
30-88	40.0
88-216	43.5
216-960	46.0
Above 960	54.0

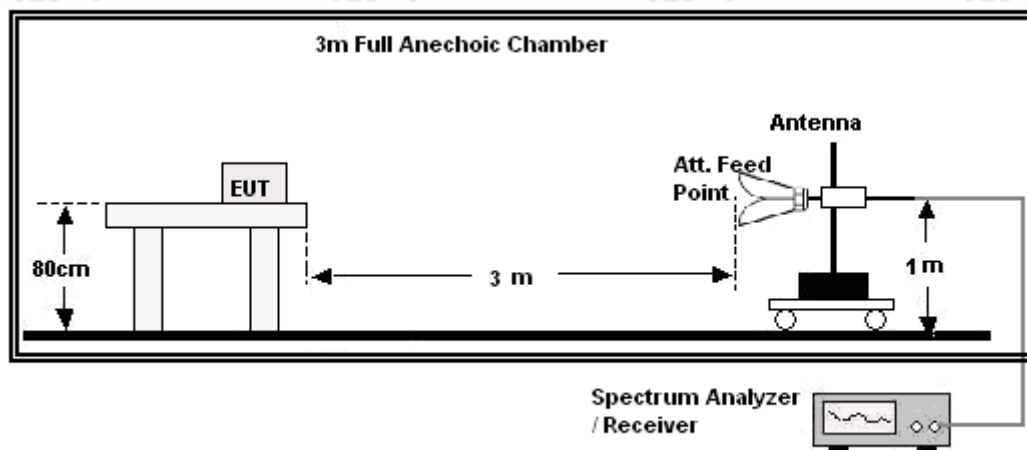
- NOTE:**
1. The lower limit shall apply at the transition frequency.
 2. The limits shown above are based on measuring equipment employing a CISPR quasi-peak detector function for frequencies below or equal to 1000MHz.
 3. The limits shown above are based on measuring equipment employing an average detector function for frequencies above 1000MHz.

8.2. BLOCK DIAGRAM OF TEST SETUP

30MHz ~ 1GHz:



Above 1GHz:



8.3. PROCEDURE OF RADIATED EMISSION TEST

30MHz ~ 1GHz:

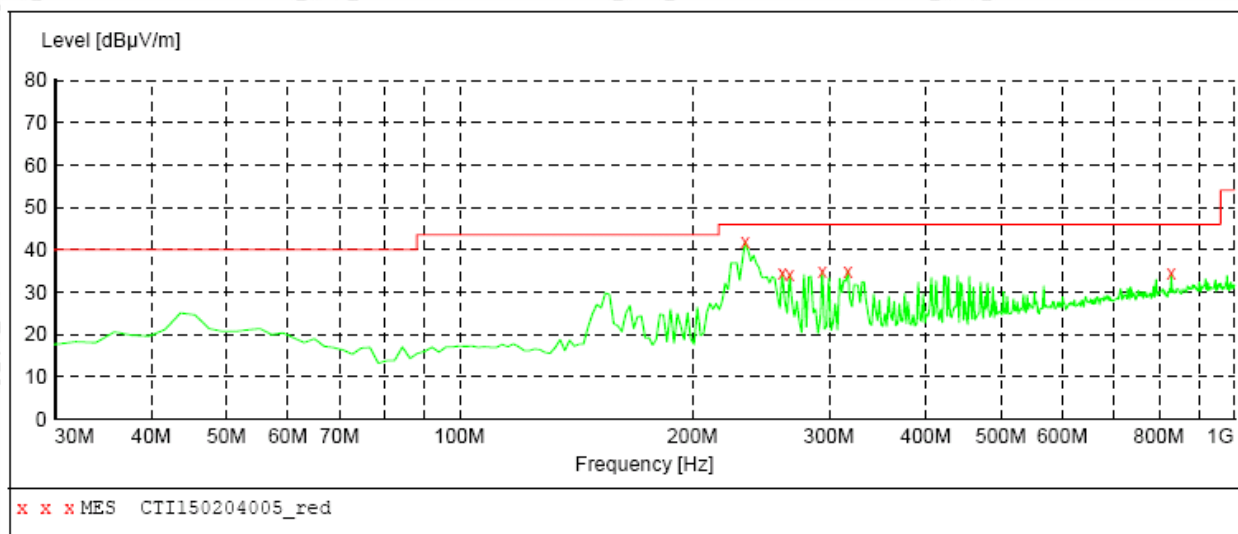
- a. The Product was placed on the non-conductive turntable 0.8m above the ground at a chamber.
- b. Set the spectrum analyzer/receiver in Peak detector, Max Hold mode, and 120 kHz RBW. Record the maximum field strength of all the pre-scan process in the full band when the antenna is varied between 1~4 m in both horizontal and vertical, and the turntable is rotated from 0 to 360 degrees.
- c. For each frequency whose maximum record was higher or close to limit, measure its QP value: vary the antenna's height and rotate the turntable from 0 to 360 degrees to find the height and degree where Product radiated the maximum emission, then set the test frequency analyzer/receiver to QP Detector and specified bandwidth with Maximum Hold Mode, and record the maximum value.

Above 1GHz:

- a. The Product was placed on the non-conductive turntable 0.8m above the ground at a full anechoic chamber.
- b. Set the spectrum analyzer/receiver in Peak detector, Max Hold mode, and 1MHz RBW. Record the maximum field strength of all the pre-scan process in the full band when the antenna is varied in both horizontal and vertical, and the turntable is rotated from 0 to 360 degrees.
- c. For each frequency whose maximum record was higher or close to limit, measure its AV value: rotate the turntable from 0 to 360 degrees to find the degree where Product radiated the maximum emission, then set the test frequency analyzer/receiver to AV value and specified bandwidth with Maximum Hold Mode, and record the maximum value.

8.4. WORST CASE TEST GRAPHS AND TEST DATA

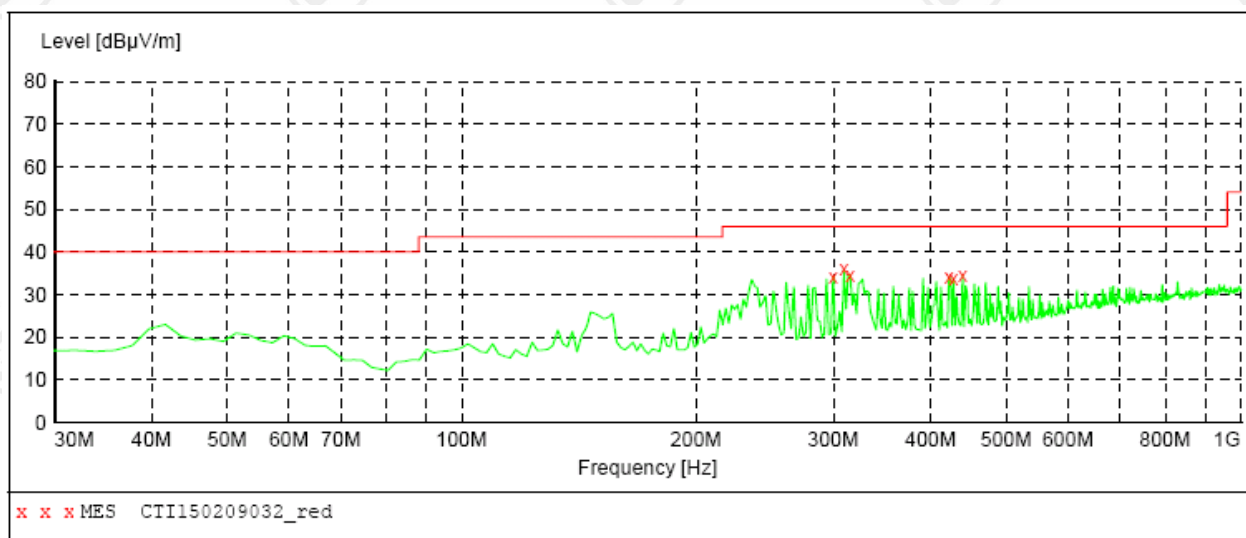
Product : Body Worn Camera Recorder
Model/Type reference : ReEnforcer
Power : AC 120V, 60Hz **Temperature** : 22℃
Mode : Data exchange **Humidity** : 46%



MEASUREMENT RESULT:

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
233.700000	39.80	14.1	46.0	6.2	QP	100.0	53.00	HORIZONTAL
260.860000	34.60	14.6	46.0	11.4	QP	100.0	10.00	HORIZONTAL
266.680000	34.20	14.8	46.0	11.8	QP	200.0	369.00	HORIZONTAL
293.840000	34.90	15.5	46.0	11.1	QP	200.0	89.00	HORIZONTAL
317.120000	35.10	16.4	46.0	10.9	QP	100.0	249.00	HORIZONTAL
829.280000	34.40	25.2	46.0	11.6	QP	100.0	249.00	HORIZONTAL

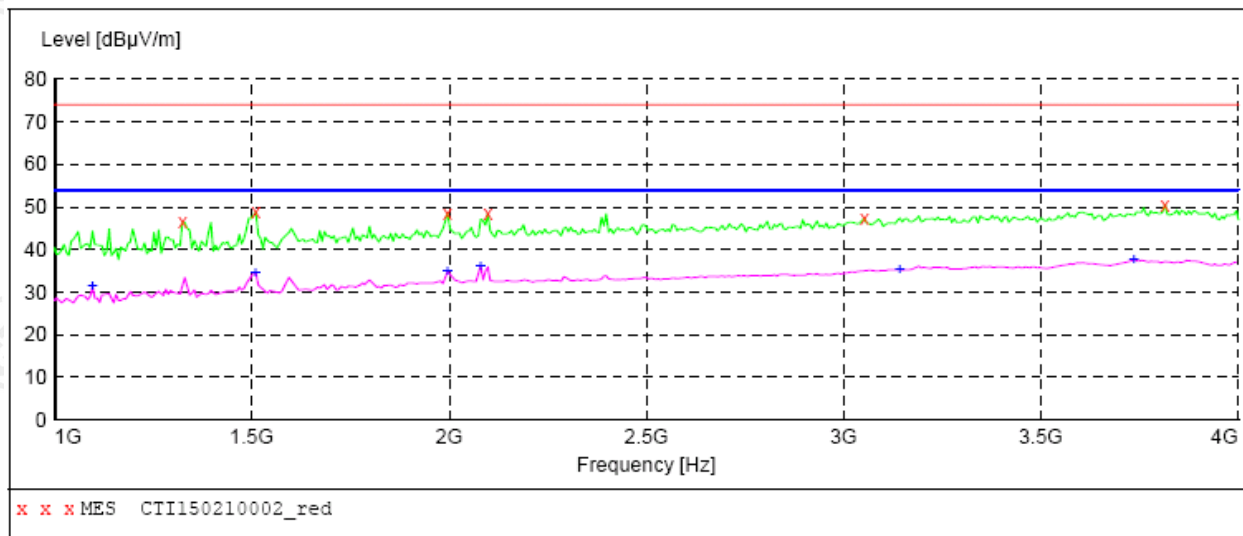
Product : Body Worn Camera Recorder
Model/Type reference : ReEnforcer
Power : AC 120V, 60Hz **Temperature** : 22℃
Mode : Data exchange **Humidity** : 46%



MEASUREMENT RESULT:

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
299.660000	34.30	15.6	46.0	11.7	QP	200.0	173.00	VERTICAL
309.360000	36.00	16.1	46.0	10.0	QP	200.0	173.00	VERTICAL
315.180000	34.70	16.4	46.0	11.3	QP	200.0	358.00	VERTICAL
421.880000	34.20	18.6	46.0	11.8	QP	100.0	40.00	VERTICAL
427.700000	33.80	18.7	46.0	12.2	QP	100.0	40.00	VERTICAL
439.340000	34.70	18.9	46.0	11.3	QP	100.0	51.00	VERTICAL

Product : Body Worn Camera Recorder
Model/Type reference : ReEnforcer
Power : AC 120V, 60Hz **Temperature** : 22℃
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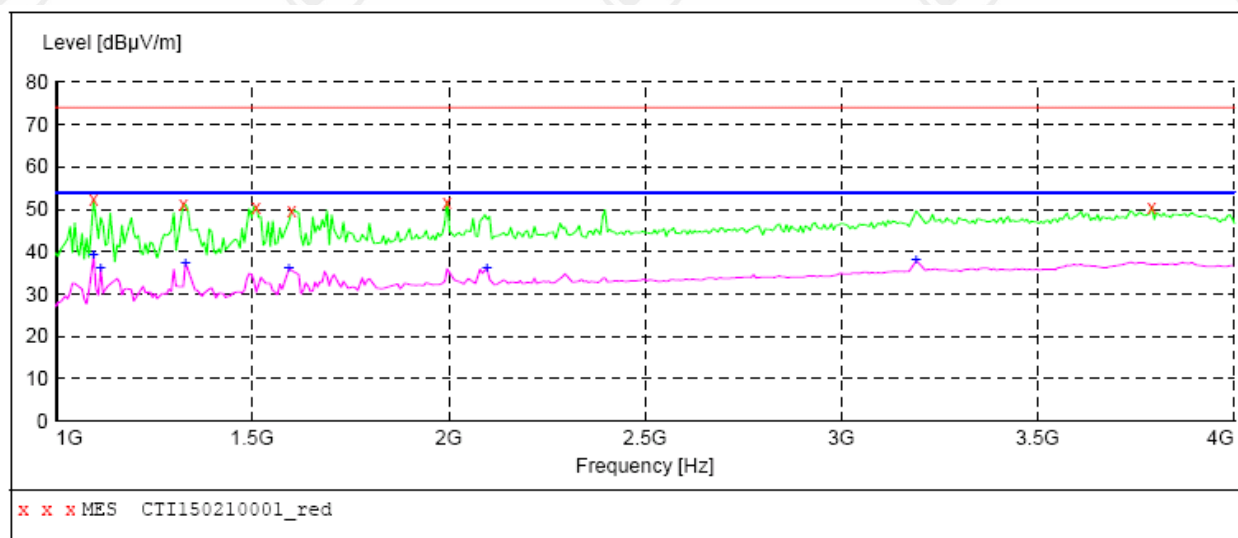
MEASUREMENT RESULT:

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
1324.000000	46.50	-9.6	74.0	27.5	PK	100.0	28.00	HORIZONTAL
1510.000000	48.80	-8.5	74.0	25.2	PK	100.0	74.00	HORIZONTAL
1996.000000	48.60	-5.8	74.0	25.4	PK	100.0	119.00	HORIZONTAL
2098.000000	48.40	-5.6	74.0	25.6	PK	100.0	74.00	HORIZONTAL
3052.000000	47.40	-3.6	74.0	26.6	PK	100.0	212.00	HORIZONTAL
3814.000000	50.60	-2.1	74.0	23.4	PK	100.0	10.00	HORIZONTAL

MEASUREMENT RESULT:

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
1096.000000	31.30	-10.9	54.0	22.7	AV	100.0	143.00	HORIZONTAL
1510.000000	34.60	-8.5	54.0	19.4	AV	100.0	74.00	HORIZONTAL
1996.000000	34.80	-5.8	54.0	19.2	AV	100.0	74.00	HORIZONTAL
2080.000000	36.10	-5.6	54.0	17.9	AV	100.0	143.00	HORIZONTAL
3142.000000	35.30	-3.4	54.0	18.7	AV	100.0	259.00	HORIZONTAL
3736.000000	37.50	-2.2	54.0	16.5	AV	100.0	10.00	HORIZONTAL

Product : Body Worn Camera Recorder
Model/Type reference : ReEnforcer
Power : AC 120V, 60Hz **Temperature** : 22℃
Mode : Data exchange **Humidity** : 46%



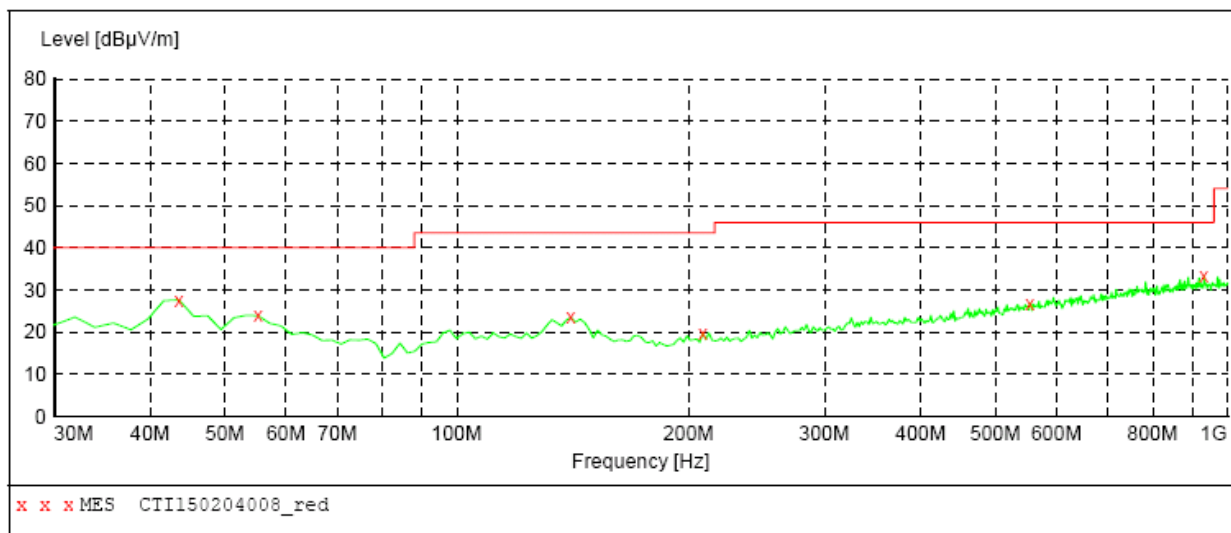
MEASUREMENT RESULT:

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
1096.000000	52.30	-10.9	74.0	21.7	PK	100.0	10.00	VERTICAL
1324.000000	51.20	-9.6	74.0	22.8	PK	100.0	24.00	VERTICAL
1510.000000	50.60	-8.5	74.0	23.4	PK	100.0	70.00	VERTICAL
1600.000000	49.80	-8.0	74.0	24.2	PK	100.0	70.00	VERTICAL
1996.000000	51.80	-5.8	74.0	22.2	PK	100.0	185.00	VERTICAL
3790.000000	50.60	-2.1	74.0	23.4	PK	100.0	93.00	VERTICAL

MEASUREMENT RESULT:

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
1096.000000	39.00	-10.9	54.0	15.0	AV	100.0	10.00	VERTICAL
1114.000000	35.90	-10.8	54.0	18.1	AV	100.0	10.00	VERTICAL
1330.000000	37.40	-9.5	54.0	16.6	AV	100.0	24.00	VERTICAL
1594.000000	36.00	-8.0	54.0	18.0	AV	100.0	70.00	VERTICAL
2098.000000	35.90	-5.6	54.0	18.1	AV	100.0	24.00	VERTICAL
3190.000000	37.80	-3.3	54.0	16.2	AV	100.0	347.00	VERTICAL

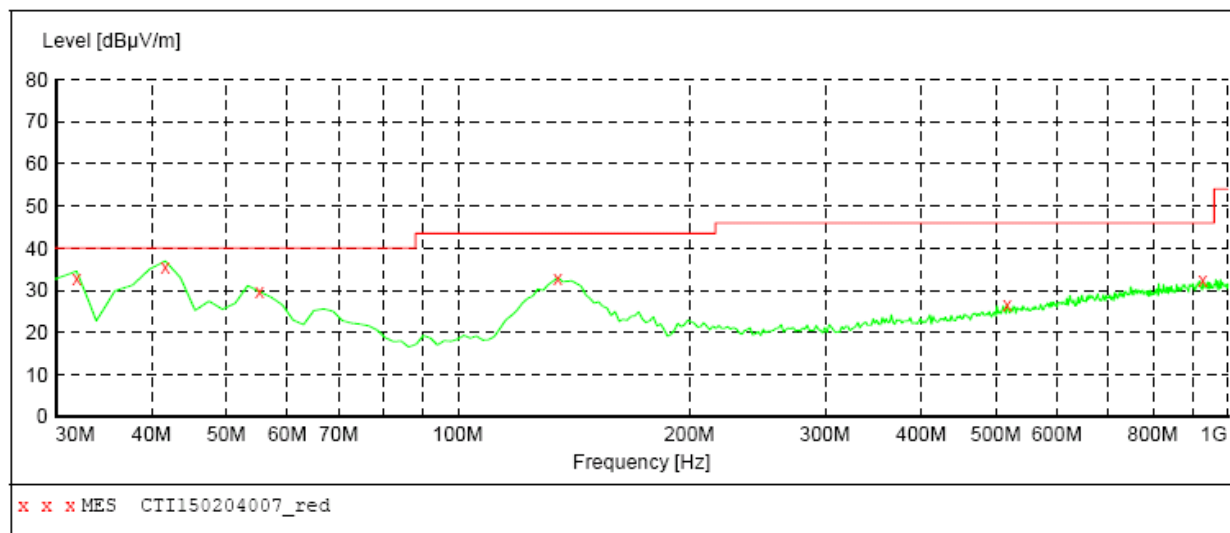
Product : Body Worn Camera Recorder
Model/Type reference : ReEnforcer
Power : AC 120V, 60Hz **Temperature** : 22℃
Mode : Charging **Humidity** : 46%



MEASUREMENT RESULT:

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
43.580000	27.60	14.1	40.0	12.4	QP	200.0	359.00	HORIZONTAL
55.220000	23.90	14.4	40.0	16.1	QP	200.0	292.00	HORIZONTAL
140.580000	23.50	10.2	43.5	20.0	QP	200.0	308.00	HORIZONTAL
208.480000	19.90	13.6	43.5	23.6	QP	200.0	320.00	HORIZONTAL
553.800000	26.90	21.1	46.0	19.1	QP	100.0	10.00	HORIZONTAL
932.100000	33.40	26.4	46.0	12.6	QP	200.0	140.00	HORIZONTAL

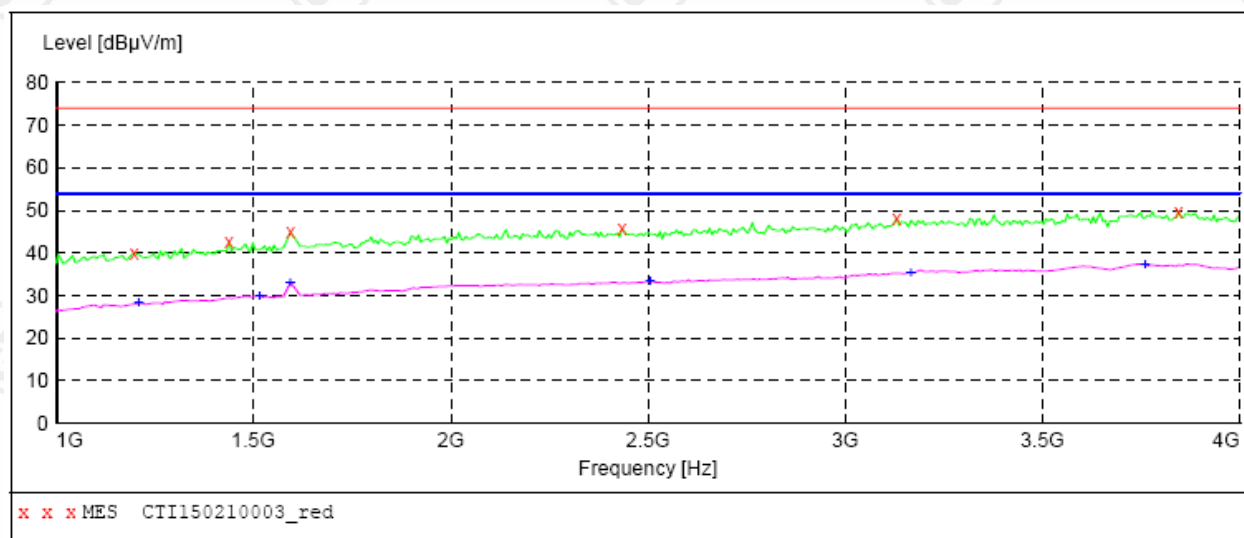
Product : Body Worn Camera Recorder
Model/Type reference : ReEnforcer
Power : AC 120V, 60Hz **Temperature** : 22℃
Mode : Charging **Humidity** : 46%



MEASUREMENT RESULT:

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
31.940000	31.50	11.9	40.0	8.5	QP	100.0	82.00	VERTICAL
41.640000	33.00	13.8	40.0	7.0	QP	100.0	17.00	VERTICAL
55.220000	29.70	14.4	40.0	10.3	QP	100.0	311.00	VERTICAL
134.760000	33.00	10.5	43.5	10.5	QP	100.0	328.00	VERTICAL
516.940000	26.70	20.5	46.0	19.3	QP	200.0	31.00	VERTICAL
928.220000	32.30	26.4	46.0	13.7	QP	200.0	122.00	VERTICAL

Product : Body Worn Camera Recorder
Model/Type reference : ReEnforcer
Power : AC 120V, 60Hz **Temperature** : 22℃
Mode : Charging **Humidity** : 46%



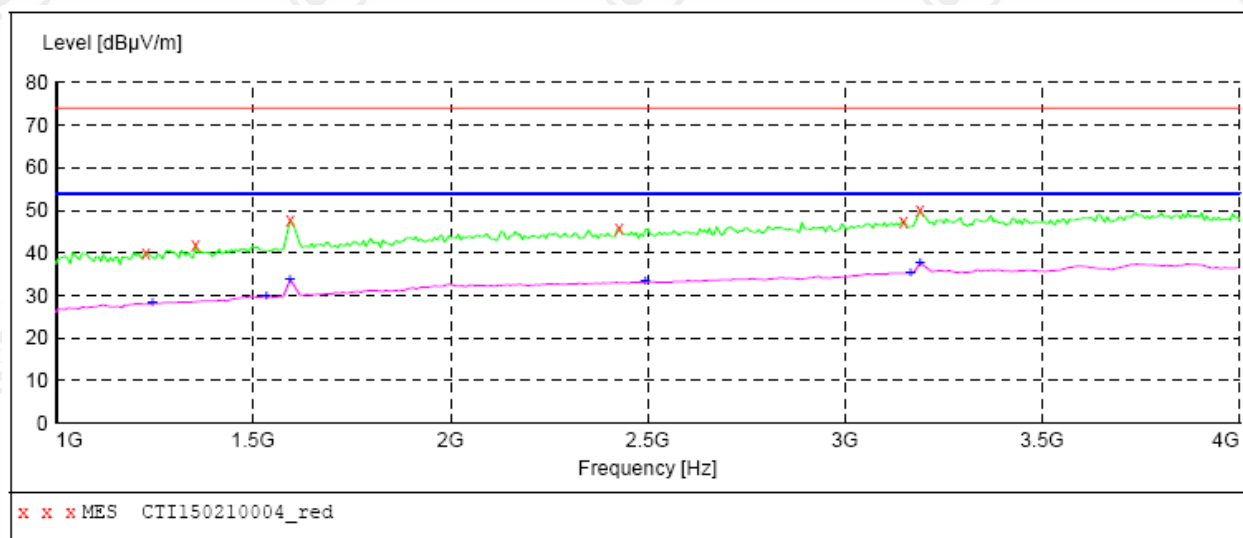
MEASUREMENT RESULT:

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
1198.000000	40.00	-10.3	74.0	34.0	PK	100.0	369.00	HORIZONTAL
1438.000000	42.50	-8.9	74.0	31.5	PK	100.0	235.00	HORIZONTAL
1594.000000	44.90	-8.0	74.0	29.1	PK	100.0	369.00	HORIZONTAL
2434.000000	45.70	-4.9	74.0	28.3	PK	100.0	258.00	HORIZONTAL
3130.000000	48.10	-3.4	74.0	25.9	PK	100.0	51.00	HORIZONTAL
3844.000000	49.80	-2.0	74.0	24.2	PK	100.0	28.00	HORIZONTAL

MEASUREMENT RESULT:

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
1210.000000	28.20	-10.2	54.0	25.8	AV	100.0	28.00	HORIZONTAL
1516.000000	30.00	-8.5	54.0	24.0	AV	100.0	10.00	HORIZONTAL
1594.000000	33.10	-8.0	54.0	20.9	AV	100.0	327.00	HORIZONTAL
2506.000000	33.40	-4.7	54.0	20.6	AV	100.0	28.00	HORIZONTAL
3166.000000	35.40	-3.4	54.0	18.6	AV	100.0	212.00	HORIZONTAL
3760.000000	37.40	-2.2	54.0	16.6	AV	100.0	97.00	HORIZONTAL

Product : Body Worn Camera Recorder
Model/Type reference : ReEnforcer
Power : AC 120V, 60Hz **Temperature** : 22℃
Mode : Charging **Humidity** : 46%



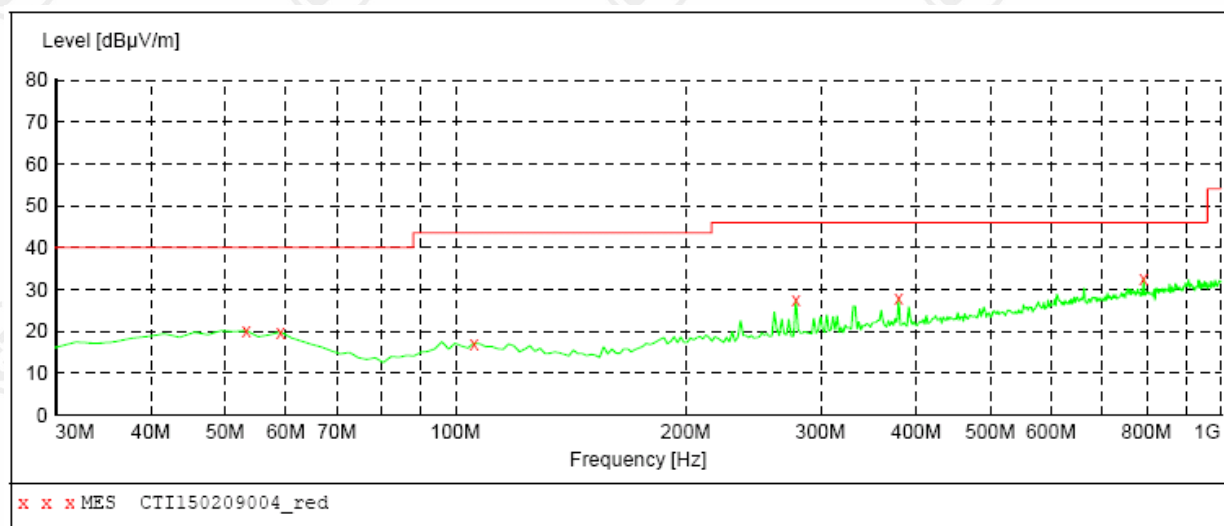
MEASUREMENT RESULT:

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
1228.000000	40.10	-10.1	74.0	33.9	PK	100.0	347.00	VERTICAL
1354.000000	41.80	-9.4	74.0	32.2	PK	100.0	347.00	VERTICAL
1594.000000	47.60	-8.0	74.0	26.4	PK	100.0	185.00	VERTICAL
2428.000000	45.80	-4.9	74.0	28.2	PK	100.0	370.00	VERTICAL
3148.000000	47.40	-3.4	74.0	26.6	PK	100.0	300.00	VERTICAL
3190.000000	49.90	-3.3	74.0	24.1	PK	100.0	162.00	VERTICAL

MEASUREMENT RESULT:

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
1246.000000	28.10	-10.0	54.0	25.9	AV	100.0	277.00	VERTICAL
1534.000000	29.80	-8.4	54.0	24.2	AV	100.0	69.00	VERTICAL
1594.000000	33.70	-8.0	54.0	20.3	AV	100.0	185.00	VERTICAL
2494.000000	33.20	-4.7	54.0	20.8	AV	100.0	69.00	VERTICAL
3166.000000	35.20	-3.4	54.0	18.8	AV	100.0	254.00	VERTICAL
3190.000000	37.60	-3.3	54.0	16.4	AV	100.0	139.00	VERTICAL

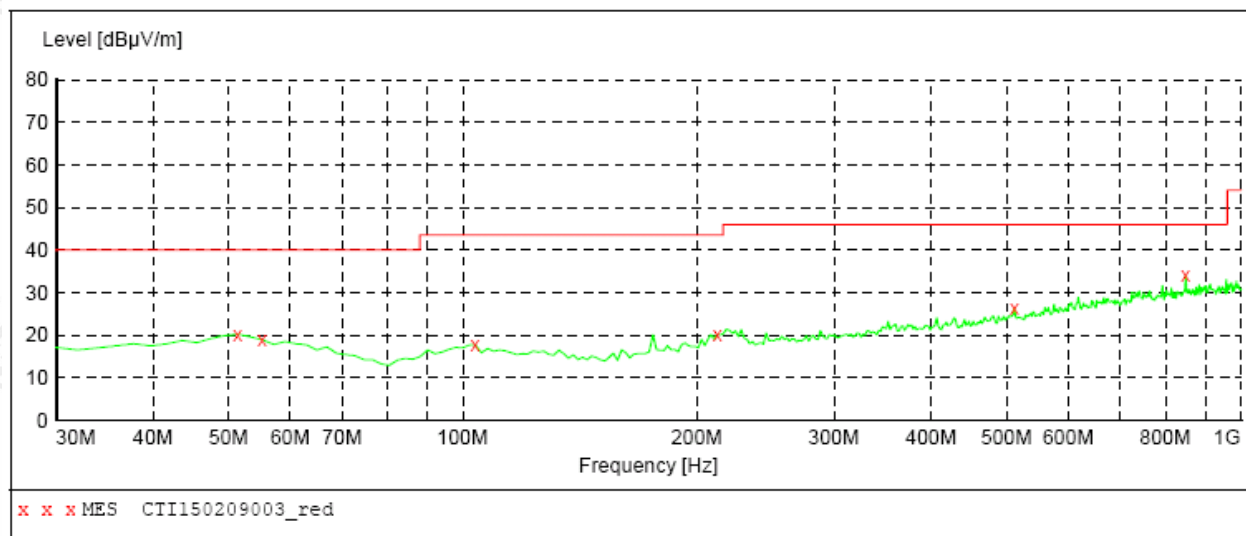
Product : Body Worn Camera Recorder
Model/Type reference : ReEnforcer
Power : DC 3.7V **Temperature** : 22℃
Mode : Recording **Humidity** : 46%



MEASUREMENT RESULT:

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
53.280000	20.20	14.6	40.0	19.8	QP	200.0	275.00	HORIZONTAL
59.100000	19.80	13.9	40.0	20.2	QP	200.0	245.00	HORIZONTAL
105.660000	17.20	12.3	43.5	26.3	QP	100.0	216.00	HORIZONTAL
278.320000	27.40	15.1	46.0	18.6	QP	100.0	92.00	HORIZONTAL
379.200000	27.80	18.1	46.0	18.2	QP	100.0	258.00	HORIZONTAL
792.420000	32.60	24.8	46.0	13.4	QP	200.0	51.00	HORIZONTAL

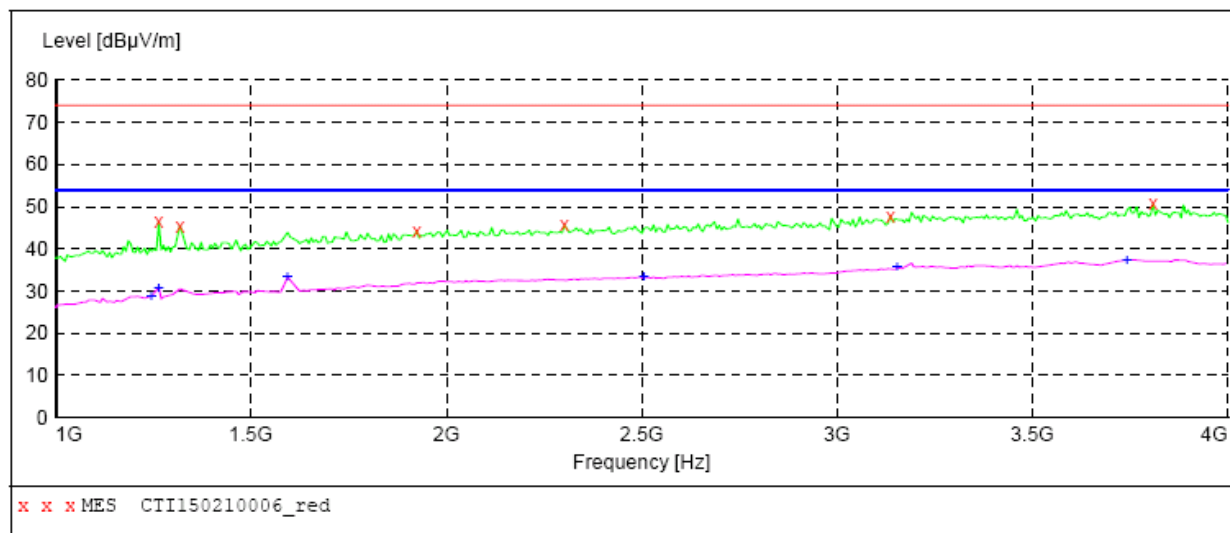
Product : Body Worn Camera Recorder
Model/Type reference : ReEnforcer
Power : DC 3.7V **Temperature** : 22℃
Mode : Recording **Humidity** : 46%



MEASUREMENT RESULT:

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
51.340000	20.20	14.9	40.0	19.8	QP	100.0	10.00	VERTICAL
55.220000	19.00	14.4	40.0	21.0	QP	200.0	358.00	VERTICAL
103.720000	17.80	12.4	43.5	25.7	QP	100.0	355.00	VERTICAL
212.360000	20.20	13.7	43.5	23.3	QP	200.0	151.00	VERTICAL
511.120000	26.40	20.4	46.0	19.6	QP	200.0	51.00	VERTICAL
848.680000	34.00	25.5	46.0	12.0	QP	100.0	300.00	VERTICAL

Product : Body Worn Camera Recorder
Model/Type reference : ReEnforcer
Power : DC 3.7V **Temperature** : 22℃
Mode : Recording **Humidity** : 46%



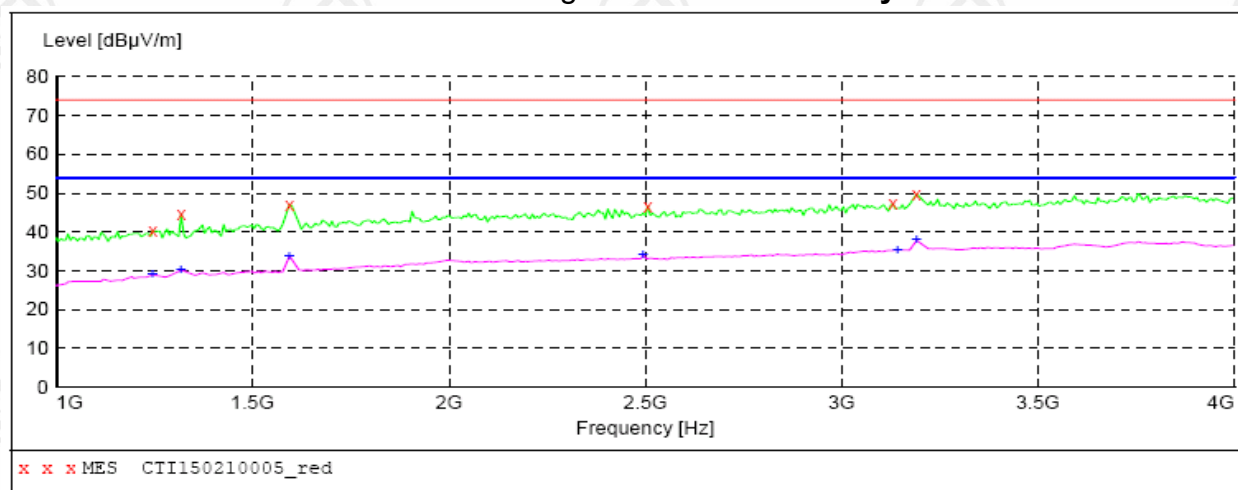
MEASUREMENT RESULT:

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
1264.000000	46.50	-9.9	74.0	27.5	PK	100.0	277.00	HORIZONTAL
1318.000000	45.50	-9.6	74.0	28.5	PK	100.0	116.00	HORIZONTAL
1924.000000	44.30	-6.2	74.0	29.7	PK	100.0	322.00	HORIZONTAL
2302.000000	45.60	-5.1	74.0	28.4	PK	100.0	93.00	HORIZONTAL
3136.000000	47.80	-3.4	74.0	26.2	PK	100.0	208.00	HORIZONTAL
3808.000000	50.70	-2.1	74.0	23.3	PK	100.0	254.00	HORIZONTAL

MEASUREMENT RESULT:

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
1246.000000	28.80	-10.0	54.0	25.2	AV	100.0	139.00	HORIZONTAL
1264.000000	30.80	-9.9	54.0	23.2	AV	100.0	277.00	HORIZONTAL
1594.000000	33.20	-8.0	54.0	20.8	AV	100.0	208.00	HORIZONTAL
2506.000000	33.30	-4.7	54.0	20.7	AV	100.0	162.00	HORIZONTAL
3154.000000	35.50	-3.4	54.0	18.5	AV	100.0	367.00	HORIZONTAL
3742.000000	37.40	-2.2	54.0	16.6	AV	100.0	93.00	HORIZONTAL

Product : Body Worn Camera Recorder
Model/Type reference : ReEnforcer
Power : DC 3.7V **Temperature** : 22℃
Mode : Recording **Humidity** : 46%



MEASUREMENT RESULT:

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
1246.000000	40.20	-10.0	74.0	33.8	PK	100.0	10.00	VERTICAL
1318.000000	44.60	-9.6	74.0	29.4	PK	100.0	24.00	VERTICAL
1594.000000	47.10	-8.0	74.0	26.9	PK	100.0	24.00	VERTICAL
2506.000000	46.70	-4.7	74.0	27.3	PK	100.0	232.00	VERTICAL
3130.000000	47.30	-3.4	74.0	26.7	PK	100.0	232.00	VERTICAL
3190.000000	49.80	-3.3	74.0	24.2	PK	100.0	10.00	VERTICAL

MEASUREMENT RESULT:

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
1246.000000	28.90	-10.0	54.0	25.1	AV	100.0	10.00	VERTICAL
1318.000000	30.10	-9.6	54.0	23.9	AV	100.0	24.00	VERTICAL
1594.000000	33.80	-8.0	54.0	20.2	AV	100.0	186.00	VERTICAL
2494.000000	34.00	-4.7	54.0	20.0	AV	100.0	278.00	VERTICAL
3142.000000	35.30	-3.4	54.0	18.7	AV	100.0	163.00	VERTICAL
3190.000000	37.80	-3.3	54.0	16.2	AV	100.0	140.00	VERTICAL

Remark:

1. The highest frequency of the internal sources of the EUT is 396 MHz, so the measurement shall be made up to 4 GHz.

APPENDIX 1 PHOTOGRAPHS OF TEST SETUP



CONDUCTED EMISSION TEST SETUP



RADIATED EMISSION TEST SETUP (30MHz ~ 1GHz)



RADIATED EMISSION TEST SETUP (Above 1GHz)

APPENDIX 2 EXTERNAL PHOTOGRAPHS OF PRODUCT



External View of Product-1



External View of Product-2



External View of Product-3



External View of Product-4



External View of Product-5



External View of Product-6

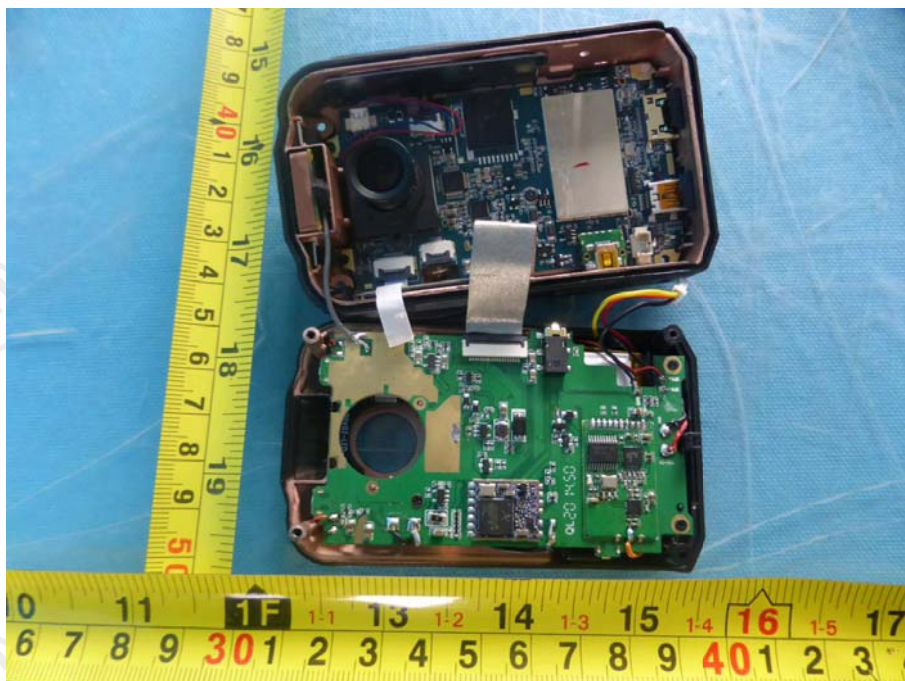


External View of Product-7

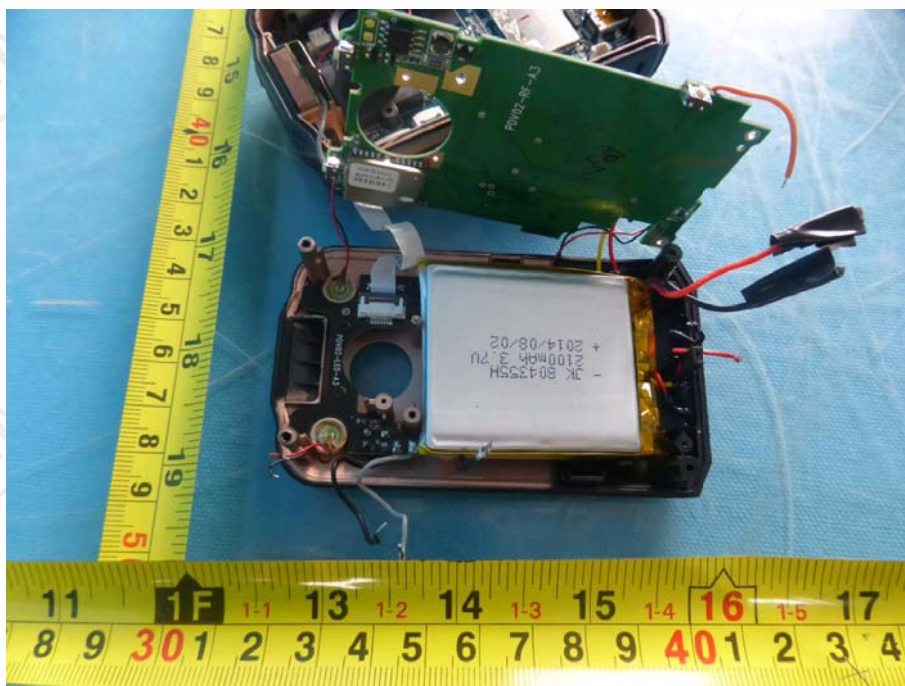
APPENDIX 3 INTERNAL PHOTOGRAPHS OF PRODUCT



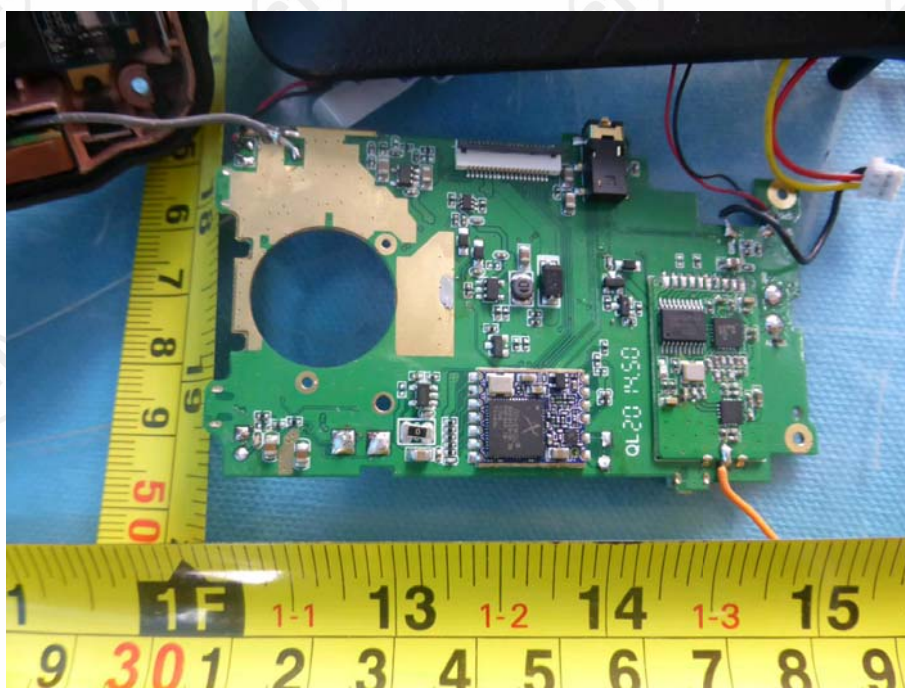
Internal View of Product-1



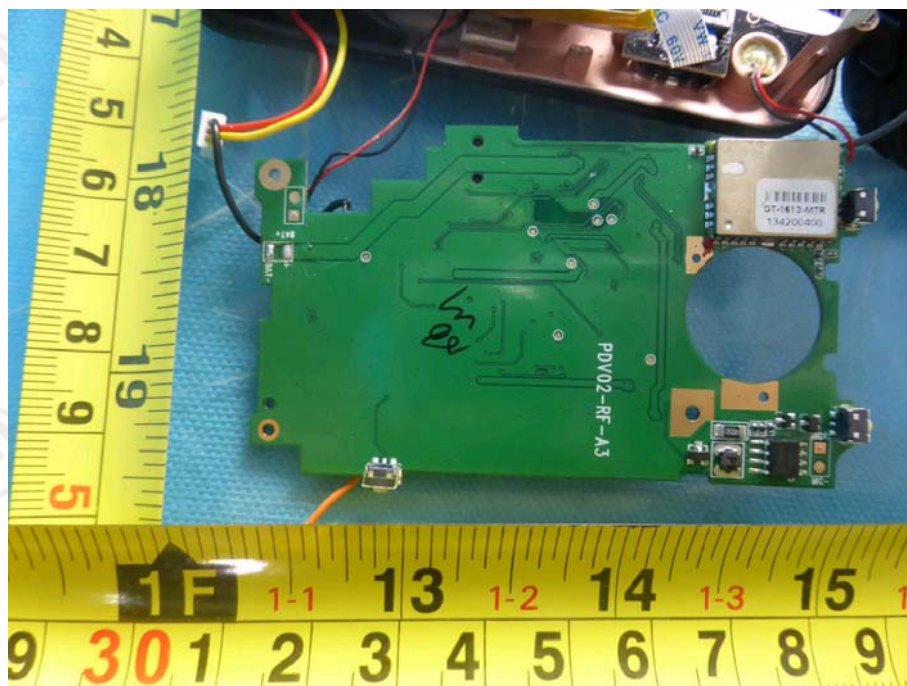
Internal View of Product-2



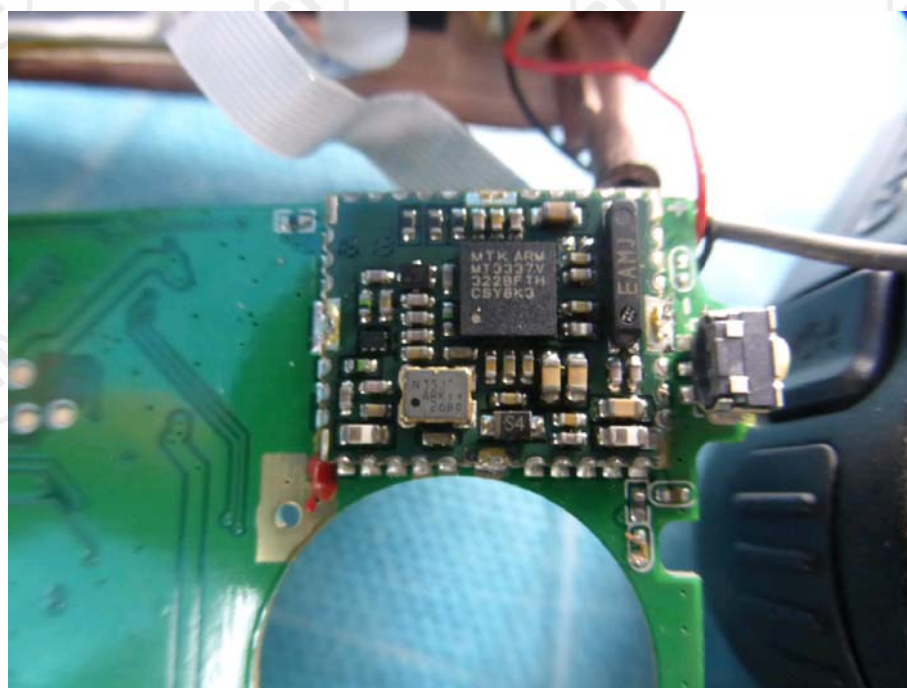
Internal View of Product-3



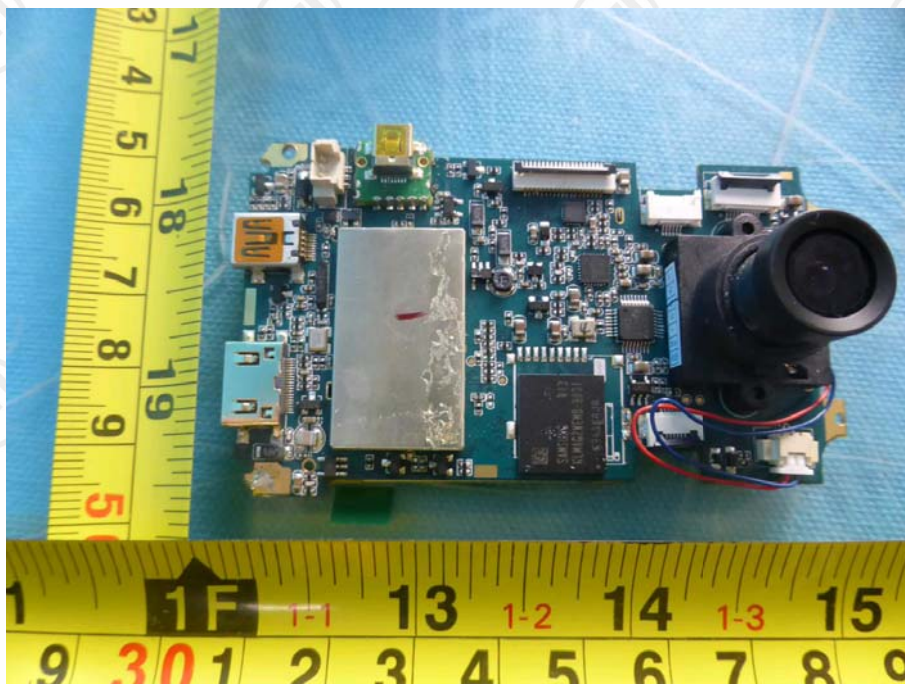
Internal View of Product-4



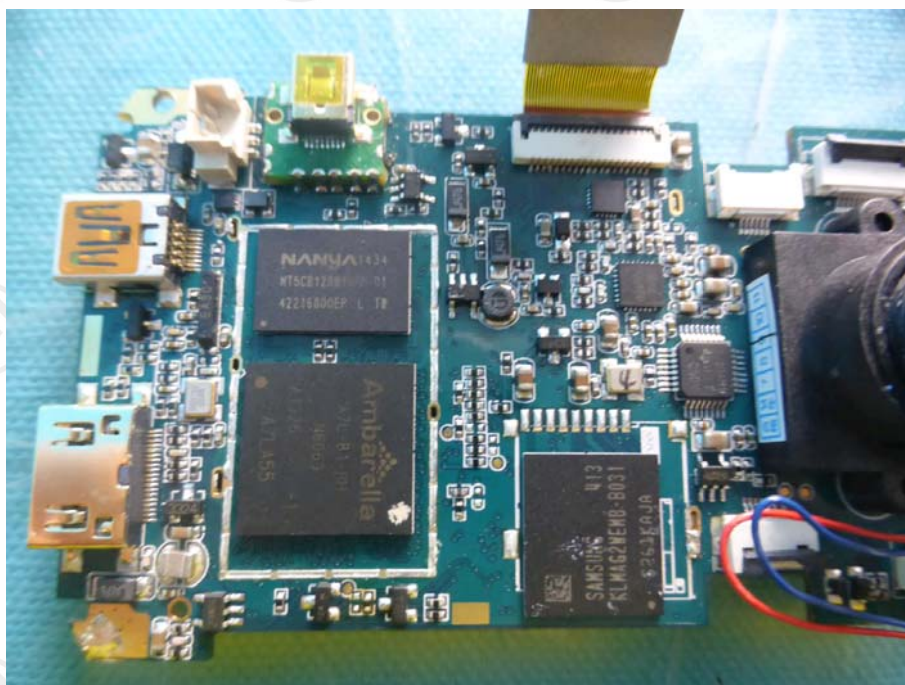
Internal View of Product-5



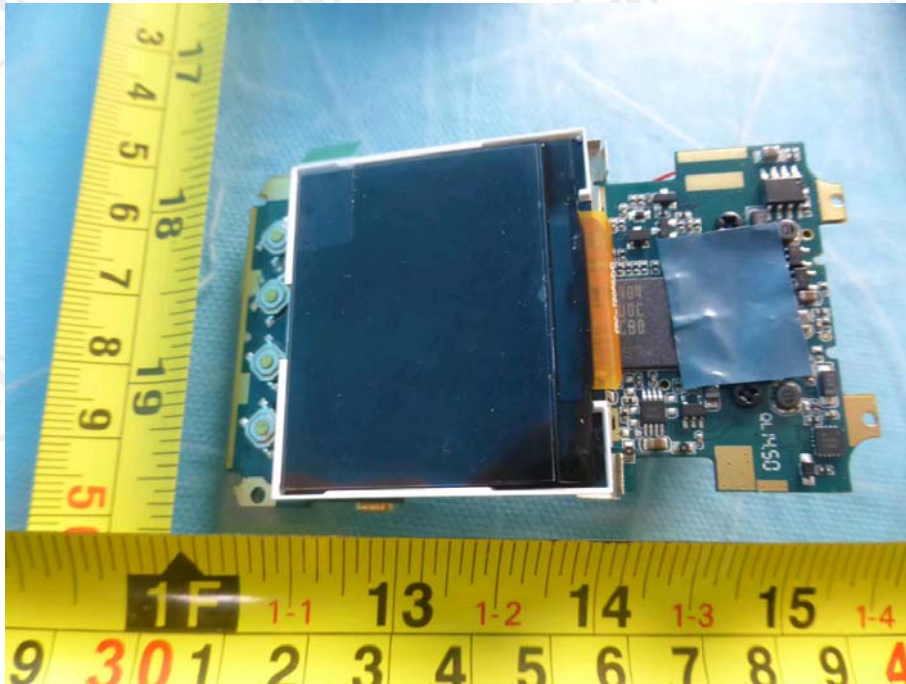
Internal View of Product-6



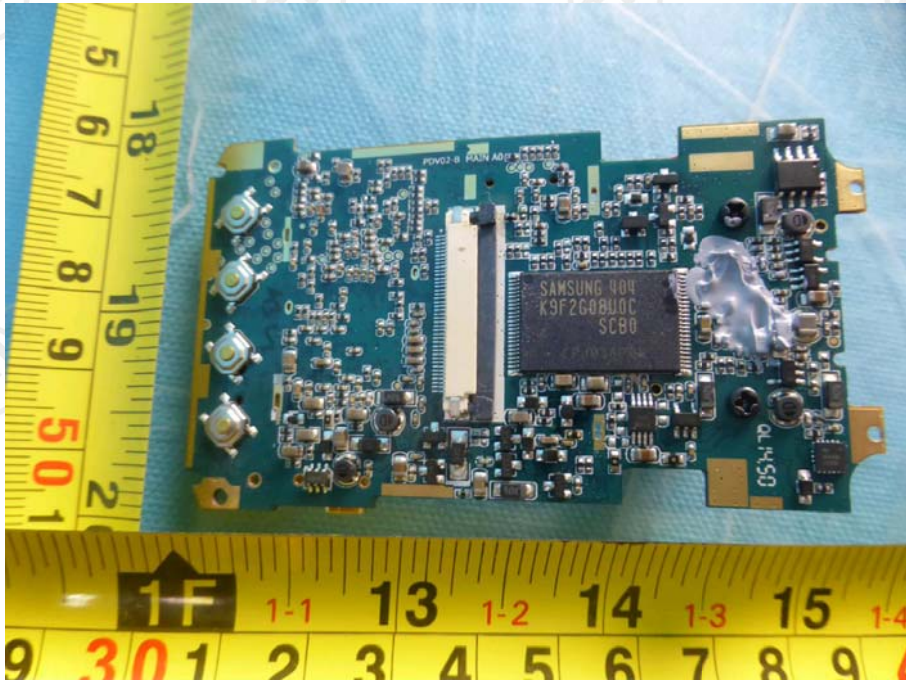
Internal View of Product-7



Internal View of Product-8



Internal View of Product-9



Internal View of Product-10

*** End of Report ***

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