

FCC - TEST REPORT

Report Number : **60.790.16.079.01R01** Date of Issue : August 8, 2016

Model : HSTNW-D08W, HSTNW-D07W, HSTNW-D06W, HSTNW-D11W, HSTNW-D12W

Product Type : BLE SMART WATCH

Applicant : DAYTON INDUSTRIAL CO., LTD

Address : 2-12 Kwai Fat Road, 11-A Kwai Chung, New Territories, Hong Kong

Production Facility : KENDY Enterprise (Dongguan) Co. Ltd

Address : Xingsi Huangtang Village, Hengli Town, Dongguan City, Guangdong Province, P. R. China

Test Result : ☒Positive ☐Negative

Total pages including Appendices : 55

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2 Description of Equipment Under Test

Description of the Equipment Under Test

Product:	BLE SMART WATCH
Model no.:	HSTNW-D08W, HSTNW-D07W, HSTNW-D06W, HSTNW-D11W, HSTNW-D12W
FCC ID:	O4GTEIIM
Rating:	1) For Bluetooth module: 3.6VDC (1 x 3.6VDC rechargeable button cell battery, Model: LIR2025) 2) For watch: 1.55VDC (1 x 1.55VDC button cell battery, Model:SR626SW)
Frequency:	2402MHz-2480MHz
Antenna gain:	0 dBi
Number of operated channel:	40
Modulation:	GFSK

3 Summary of Test Standards

Test Standards
FCC Part 15 Subpart C 10-1-15 Edition Federal Communications Commission, PART 15 — Radio Frequency Devices, Subpart C — Unintentional Radiators

4 Details about the Test Laboratory

Site 1

Company name: TÜV SÜD Hong Kong Ltd.
3/F, West Wing, Lakeside 2,
10 Science Park West Avenue,
Science Park, Shatin, Hong Kong

Site 2

Company name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13 Zhiheng Wisdomland Business Park,
Nantou Checkpoint Road 2,
Shenzhen 518052, P.R.China
FCC Registration Number: 502708

Emission Tests	
Test Item	Test Site
FCC Part 15 Subpart C	
FCC Title 47 Part 15.205, 15.209 & 15.247(d) Spurious Radiated Emission	Site 2
FCC Title 47 Part 15.207 Conduct Emission	Site 2
FCC Title 47 Part 15.247(a)(2) 6dB & 99% Bandwidth	Site 2
FCC Title 47 Part 15.247(b) Peak Output Power	Site 2
FCC Title 47 Part 2.1051 & 15.247(d) Spurious Emissions at Antenna Terminals	Site 2
FCC Title 47 Part 15.247(d) 100kHz Bandwidth of band edges	Site 2
FCC Title 47 Part 15.247(e) Power Spectral Density	Site 2
FCC Title 47 Part 15.203 & 15.247(b) Antenna Requirement	Site 2

4.1 Test Equipment Site List

Radiated emission Test – Site 2

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 26	101269	17-Aug-16
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9163	707	17-Aug-17
Horn Antenna	Rohde & Schwarz	HF907	102294	17-Aug-17
Pre-amplifier	Rohde & Schwarz	SCU 18	102230	17-Aug-16
3m Semi-anechoic chamber	TDK	9X6X6	----	29-May-19

6dB & 99% Bandwidth, Peak Output Power, Spurious Emissions at Antenna Terminals, 100kHz Bandwidth of band edges, Power Spectral Density – Site 2

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DUE DATE
Signal Generator	Rohde & Schwarz	SMB100A	108272	17-Aug-16
Signal Analyzer	Rohde & Schwarz	FSV40	101030	17-Aug-16
Vector Signal Generator	Rohde & Schwarz	SMU 200A	105324	17-Aug-16
RF Switch Module	Rohde & Schwarz	OSP120/OSP-B157	101226/100851	17-Aug-16

Conducted emission Test – Site 2

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 3	101782	17-Aug-16
LISN	Rohde & Schwarz	ENV4200	100249	17-Aug-16
LISN	Rohde & Schwarz	ENV216	100326	17-Aug-16
ISN	Rohde & Schwarz	ENY81	100177	17-Aug-16
ISN	Rohde & Schwarz	ENY81-CAT6	101664	17-Aug-16
High Voltage Probe	Rohde & Schwarz	TK9420(VT9420)	9420-58	17-Aug-16
RF Current Probe	Rohde & Schwarz	EZ-17	100816	17-Aug-16

4.2 Measurement System Uncertainty

Measurement System Uncertainty Emissions

System Measurement Uncertainty	
Items	Extended Uncertainty
Uncertainty for Radiated Emission in 3m chamber 9kHz-30MHz	4.54dB
Uncertainty for Radiated Emission in 3m chamber 30MHz-1000MHz	Horizontal: 4.83dB; Vertical: 4.91dB;
Uncertainty for Radiated Emission in 3m chamber 1000MHz-25000MHz	Horizontal: 4.89dB; Vertical: 4.88dB;
Uncertainty for Conducted RF test	2.04dB
Uncertainty for Conducted Emission 150kHz-30MHz	3.50dB

5 Summary of Test Results

Emission Tests				
FCC Part 15 Subpart C				
Test Condition	Pages	Test Result		
		Pass	Fail	N/A
FCC Title 47 Part 15.205, 15.209 & 15.247(d) Spurious Radiated Emission	10-15	☒	☐	☐
FCC Title 47 Part 15.207 Conduct Emission	16-17	☒	☐	☐
FCC Title 47 Part 15.247(a)(2) 6dB & 99% Bandwidth	18-23	☒	☐	☐
FCC Title 47 Part 15.247(b) Peak Output Power	24-26	☒	☐	☐
FCC Title 47 Part 2.1051 & 15.247(d) Spurious Emissions at Antenna Terminals	27-29	☒	☐	☐
FCC Title 47 Part 15.247(d) 100kHz Bandwidth of band edges	30-33	☒	☐	☐
FCC Title 47 Part 15.247(e) Power Spectral Density	34-36	☒	☐	☐
FCC Title 47 Part 15.203 & 15.247(b) Antenna Requirement	37	☒	☐	☐

6 General Remarks

Remarks

Client informs that the model HSTNW-D07W, HSTNW-D06W, HSTNW-D11W, HSTNW-D12W has the same technical construction including circuit diagram, PCB Layout, components and component layout, all electrical construction and mechanical construction, with BLE SMART WATCH, HSTNW-D08W. The difference lies only in outlook/ color of the different models. (Client's confirmation letter shown at appendix C)

EMC tests were performed on model: HSTNW-D08W

SUMMARY:

- All tests according to the regulations cited on page 5 were

■ - Performed

□ - **Not** Performed

- The Equipment Under Test

■ - **Fulfills** the general approval requirements.

□ - **Does not** fulfill the general approval requirements.

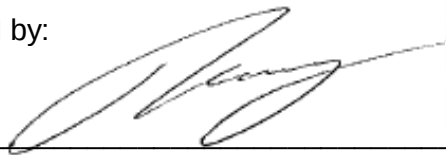
Sample Received Date: July 21, 2016

Testing Start Date: July 22, 2016

Testing End Date: August 1, 2016

- TÜV SÜD HONG KONG LTD. -

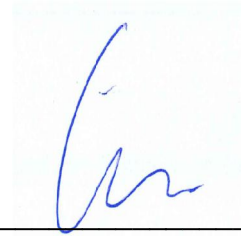
Reviewed by:



TSENG Chi Kit
EMC Project Engineer



Prepared by:



CHAN Kwong Ngai
EMC Test Engineer

7 Emission Test Results

7.1 Spurious Radiated Emission

EUT: HSTNW-D08W
 Op Condition: Operated, TX Mode (2402MHz)
 Test Specification: FCC15.205, 15.209 & 15.247(d) Antenna: Horizontal
 Comment: 3.6VDC
 Remark: 9kHz to 25GHz

Test Result	
☒	Passed
☐	Not Passed

Frequency MHz	Result dB μ V/m	Limit dB μ V/m	Margin dB	Detector
45.142	29.91	40	-10.09	Quasi Peak
55.273	26.56	40	-13.44	Quasi Peak
59.369	24.09	40	-15.91	Quasi Peak
886.294	29.06	46	-13.06	Quasi Peak
1254.066	29.40	74	-44.60	Peak
1254.066	19.82	54	-34.18	Average
1863.133	28.58	74	-44.60	Peak
1863.133	17.27	54	-36.73	Average
4804.500	45.59	74	-28.41	Peak
4804.500	36.28	54	-17.72	Average
7207.000	42.37	74	-31.63	Peak
7207.000	33.80	54	-20.20	Average
9608.000	50.85	74	-23.15	Peak
9608.000	38.46	54	-15.54	Average

Spurious Radiated Emission

EUT: HSTNW-D08W
 Op Condition: Operated, TX Mode (2402MHz)
 Test Specification: FCC15.205, 15.209 & 15.247(d) Antenna: Vertical
 Comment: 3.6VDC
 Remark: 9kHz to 25GHz

Test Result	
☒	Passed
☐	Not Passed

Frequency MHz	Result dBμV/m	Limit dBμV/m	Margin dB	Detector
45.520	29.58	40	-29.58	Quasi Peak
55.130	25.60	40	-14.40	Quasi Peak
59.005	25.84	40	-14.16	Quasi Peak
886.572	30.44	46	-15.56	Quasi Peak
1260.333	27.20	74	-46.80	Peak
1260.333	20.28	54	-33.72	Average
1870.065	26.92	74	-47.08	Peak
1870.065	19.79	54	-34.21	Average
4804.500	49.38	74	-24.62	Peak
4804.500	35.62	54	-18.38	Average
7207.000	49.23	74	-24.77	Peak
7207.000	35.95	54	-14.05	Average
9608.000	50.79	74	-23.21	Peak
9608.000	40.11	54	-13.89	Average

Spurious Radiated Emission

EUT: HSTNW-D08W
 Op Condition: Operated, TX Mode (2440MHz)
 Test Specification: FCC15.205, 15.209 & 15.247(d) Antenna: Horizontal
 Comment: 3.6VDC
 Remark: 9kHz to 25GHz

Test Result	
☒	Passed
☐	Not Passed

Frequency MHz	Result dB μ V/m	Limit dB μ V/m	Margin dB	Detector
45.265	30.08	40	-9.92	Quasi Peak
55.323	27.24	40	-12.76	Quasi Peak
59.118	28.29	40	-11.71	Quasi Peak
886.540	30.53	46	-15.47	Quasi Peak
1254.030	29.52	74	-44.48	Peak
1254.030	19.10	54	34.90	Average
2107.200	28.64	74	-45.36	Peak
2107.200	18.71	54	36.29	Average
4884.500	46.79	74	-27.21	Peak
4884.500	36.27	54	-17.73	Average
7237.000	43.97	74	-30.03	Peak
7237.000	32.86	54	-21.14	Average
9771.000	50.06	74	-23.94	Peak
9771.000	39.86	54	-14.14	Average

Spurious Radiated Emission

EUT: HSTNW-D08W
 Op Condition: Operated, TX Mode (2440MHz)
 Test Specification: FCC15.205, 15.209 & 15.247(d) Antenna: Vertical
 Comment: 3.6VDC
 Remark: 9kHz to 25GHz

Test Result	
☒	Passed
☐	Not Passed

Frequency MHz	Result dB μ V/m	Limit dB μ V/m	Margin dB	Detector
45.265	28.17	40	-11.83	Quasi Peak
55.323	29.05	40	-10.95	Quasi Peak
59.118	29.54	40	-10.46	Quasi Peak
886.540	30.48	46	-15.52	Quasi Peak
1256.267	29.21	74	-44.79	Peak
1256.267	18.08	54	-35.92	Average
2150.200	30.74	74	-43.26	Peak
2150.200	18.54	54	-35.46	Average
4884.500	47.50	74	-26.50	Peak
4884.500	35.94	54	-18.06	Average
7237.000	49.73	74	-24.27	Peak
7237.000	36.77	54	-17.23	Average
9771.000	50.66	74	-23.34	Peak
9771.000	37.46	54	-16.54	Average

Spurious Radiated Emission

EUT: HSTNW-D08W
 Op Condition: Operated, TX Mode (2480MHz)
 Test Specification: FCC15.205, 15.209 & 15.247(d) Antenna: Horizontal
 Comment: 3.6VDC
 Remark: 9kHz to 25GHz

Test Result	
☒	Passed
☐	Not Passed

Frequency MHz	Result dB μ V/m	Limit dB μ V/m	Margin dB	Detector
45.802	28.49	40	-11.51	Quasi Peak
55.972	29.18	40	-10.82	Quasi Peak
59.659	30.31	40	-9.69	Quasi Peak
886.442	29.99	46	-16.01	Quasi Peak
1258.667	29.81	74	-44.19	Peak
1258.667	18.07	54	-35.93	Average
2168.800	30.17	74	-43.83	Peak
2168.800	18.82	54	-35.18	Average
4960.500	45.03	74	-28.97	Peak
4960.500	34.63	54	-19.37	Average
7441.000	45.28	74	-28.72	Peak
7441.000	34.77	54	-19.23	Average
9923.000	51.15	74	-22.85	Peak
9923.000	38.85	54	-15.15	Average

Spurious Radiated Emission

EUT: HSTNW-D08W
 Op Condition: Operated, TX Mode (2480MHz)
 Test Specification: FCC15.205, 15.209 & 15.247(d) Antenna: Vertical
 Comment: 3.6VDC
 Remark: 9kHz to 25GHz

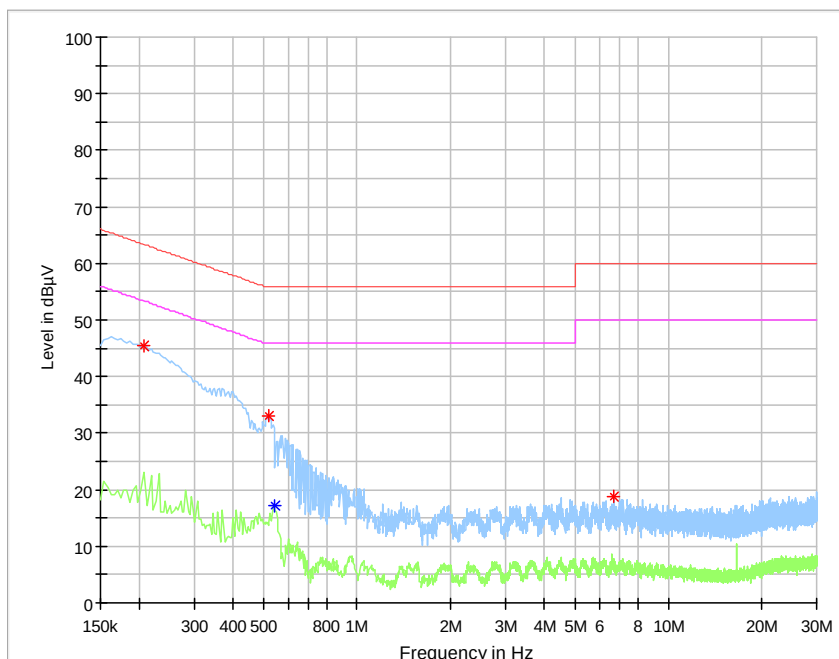
Test Result	
☒	Passed
☐	Not Passed

Frequency MHz	Result dB μ V/m	Limit dB μ V/m	Margin dB	Detector
45.810	28.63	40	-11.37	Quasi Peak
55.963	29.75	40	-10.25	Quasi Peak
59.670	30.42	40	-9.58	Quasi Peak
886.430	30.14	46	-15.86	Quasi Peak
1255.733	28.67	74	-45.33	Peak
1255.733	18.12	54	-35.88	Average
2168.775	30.30	74	-45.70	Peak
2168.775	19.07	54	-34.93	Average
4960.500	46.53	74	-27.47	Peak
4960.500	35.31	54	-18.69	Average
7441.000	50.24	74	-23.76	Peak
7441.000	37.89	54	-16.11	Average
9923.000	52.06	74	-21.94	Peak
9923.000	39.70	54	-14.30	Average

7.2 Conducted Emission

EUT: HSTNW-D08W
 Op Condition: Normal Link
 Test Specification: AC Mains, L Line
 Comment: 120VAC, 60Hz (From external adaptor)

Test Result	
☒	Passed
☐	Not Passed

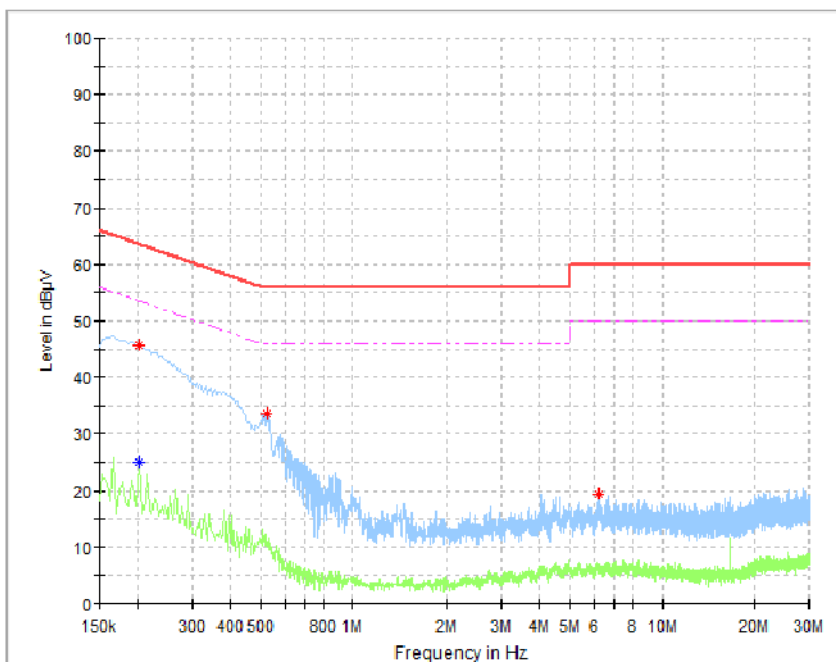


Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)
0.206000	45.41	---	63.37	-17.96
0.522000	33.15	---	56.00	-22.85
0.542000	---	17.20	46.00	-28.80
6.702000	18.78	---	60.00	-41.22

Conducted Emission

EUT: HSTNW-D08W
 Op Condition: Normal Link
 Test Specification: AC Mains, N Line
 Comment: 120VAC, 60Hz (From external adaptor)

Test Result	
☒	Passed
☐	Not Passed

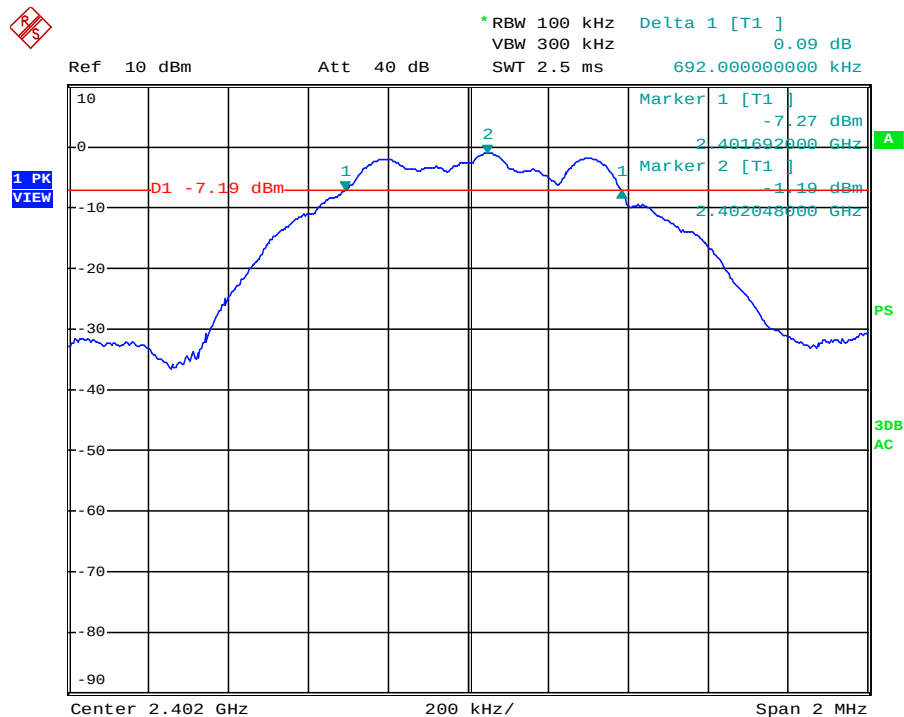


Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)
0.202000	45.80	---	63.53	-17.72
0.202000	---	24.97	53.53	-28.55
0.526000	33.62	---	56.00	-22.38
6.254000	19.29	---	60.00	-40.71

7.3 6dB & 99% Bandwidth

EUT: HSTNW-D08W
Op Condition: Operated, TX Mode (2402MHz)
Test Specification: FCC15.247(a)(2), 6dB Bandwidth
Comment: 3.6VDC

Test Result
☒ Passed
☐ Not Passed

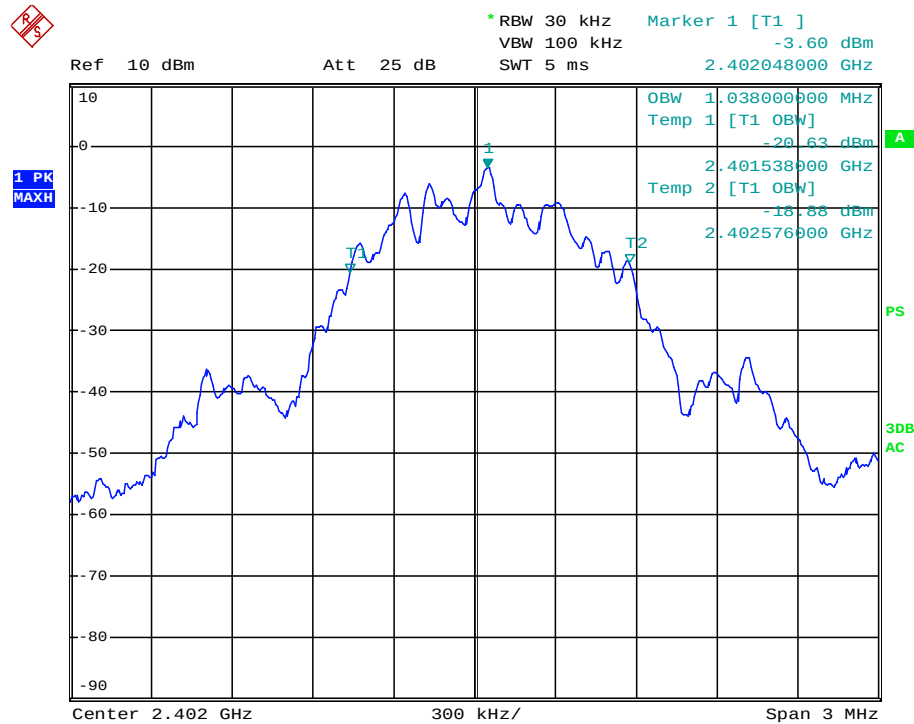


6dB bandwidth	Limit
692 kHz	> 500 kHz

6dB & 99% Bandwidth

EUT: HSTNW-D08W
Op Condition: Operated, TX Mode (2402MHz)
Test Specification: FCC15.247(a)(2), 99% bandwidth
Comment: 3.6VDC

Test Result
☒ Passed
☐ Not Passed



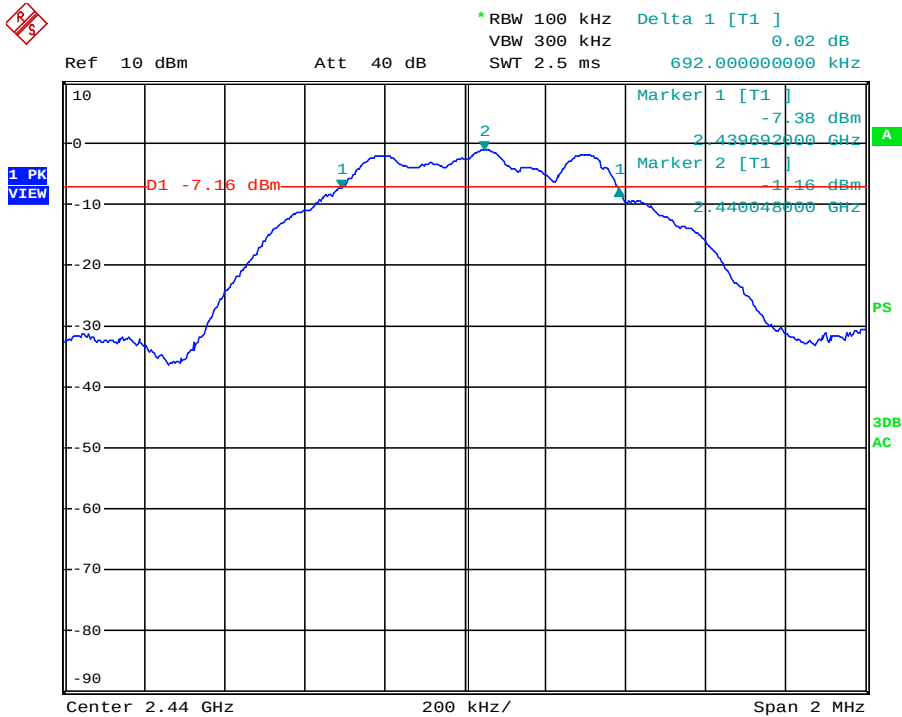
99% bandwidth

1038 kHz

6dB & 99% Bandwidth

EUT: HSTNW-D08W
Op Condition: Operated, TX Mode (2440MHz)
Test Specification: FCC15.247(a)(2), 6dB Bandwidth
Comment: 3.6VDC

Test Result
☒ Passed
☐ Not Passed

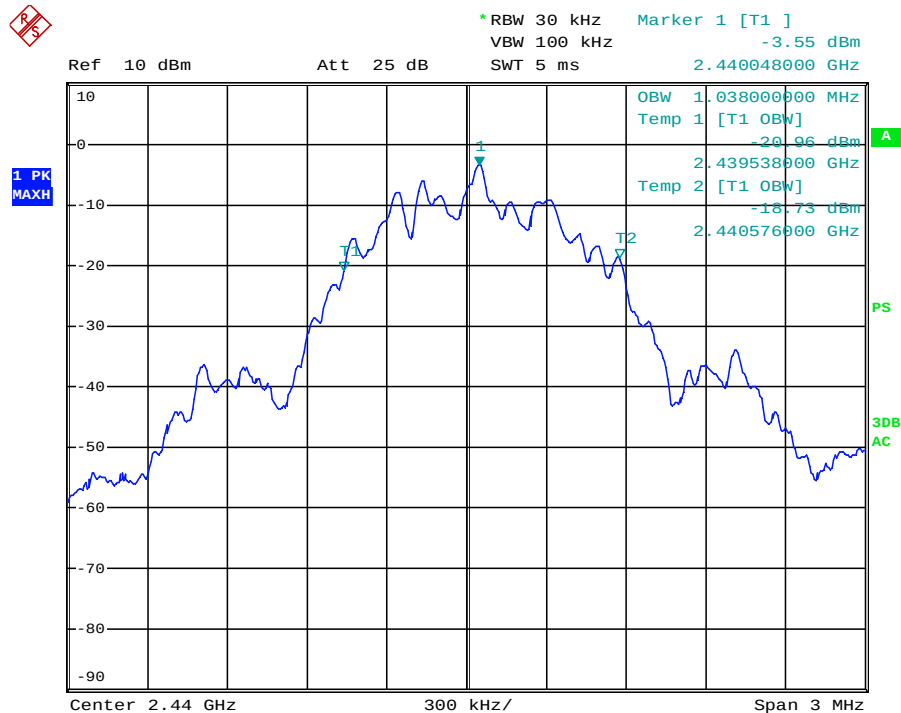


6dB bandwidth	Limit
692 kHz	> 500 kHz

6dB & 99% Bandwidth

EUT: HSTNW-D08W
Op Condition: Operated, TX Mode (2440MHz)
Test Specification: FCC15.247(a)(2), 99% bandwidth
Comment: 3.6VDC

Test Result
☒ Passed
☐ Not Passed

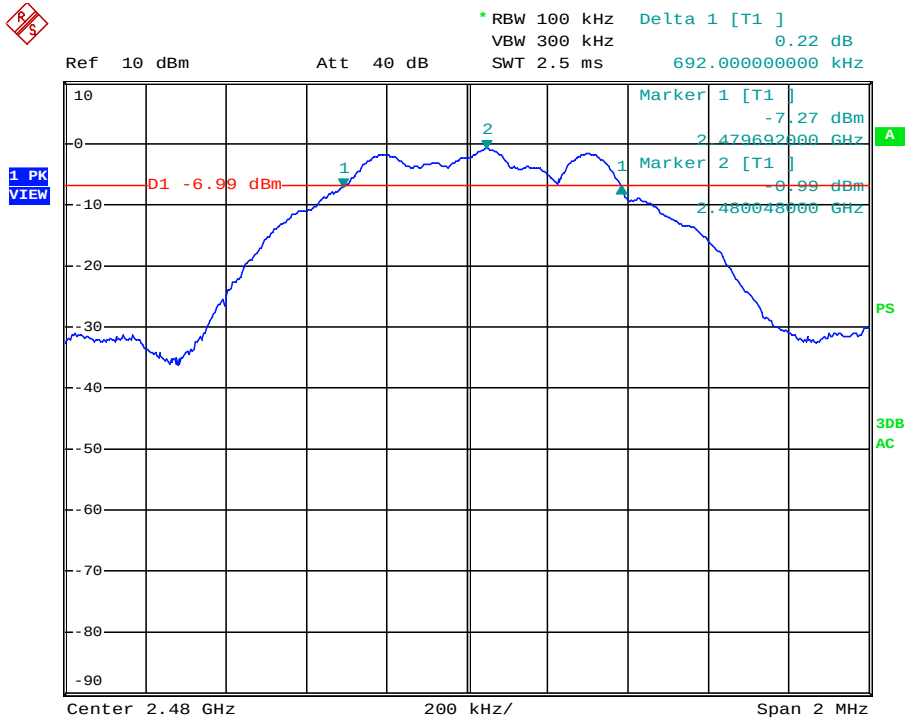


99% bandwidth
1038 kHz

6dB & 99% Bandwidth

EUT: HSTNW-D08W
Op Condition: Operated, TX Mode (2480MHz)
Test Specification: FCC15.247(a)(2), 6dB Bandwidth
Comment: 3.6VDC

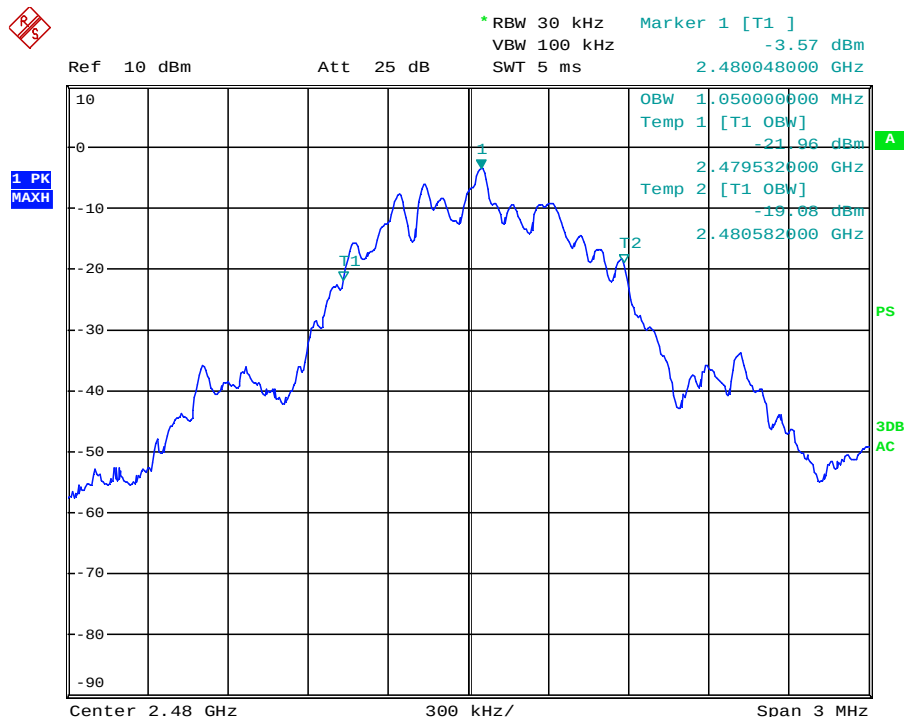
Test Result
☒ Passed
☐ Not Passed



6dB bandwidth	Limit
692 kHz	> 500 kHz

EUT:	HSTNW-D08W
Op Condition:	Operated, TX Mode (2480MHz)
Test Specification:	FCC15.247(a)(2), 99% bandwidth
Comment:	3.6VDC

☐ Not Passed

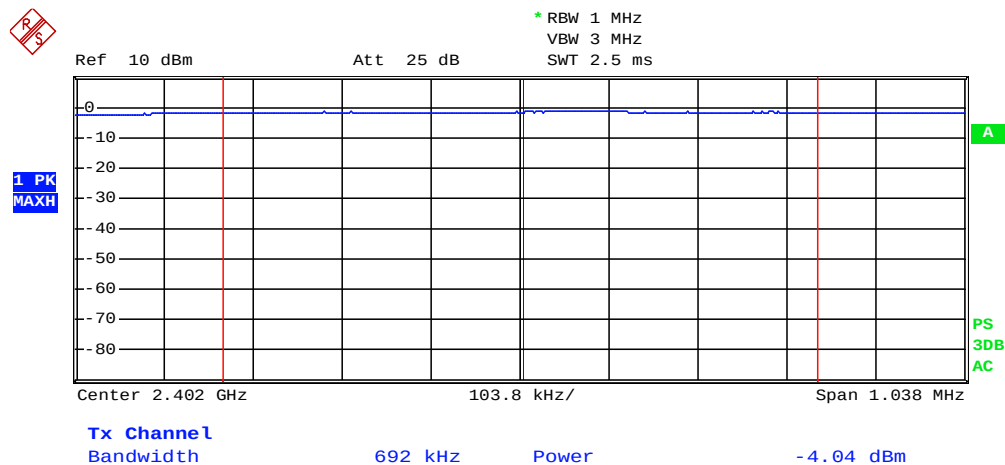


1050 kHz

7.4 Peak Output Power

EUT: HSTNW-D08W
Op Condition: Operated, TX Mode (2402MHz)
Test Specification: FCC15.247(b)
Comment: 3.6VDC

Test Result
☒ Passed
☐ Not Passed

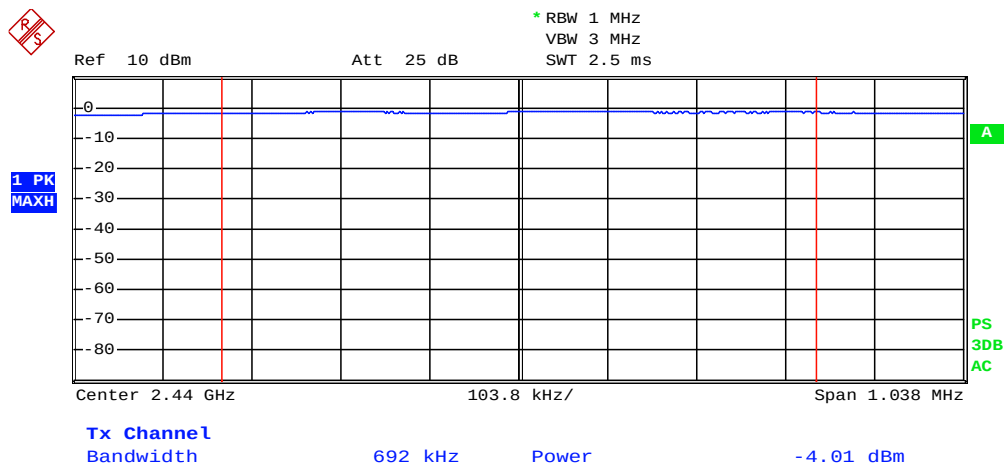


Conducted Output Power	Limit
-4.04 dBm	< 30dBm

6dB & 99% Bandwidth

EUT: HSTNW-D08W
Op Condition: Operated, TX Mode (2440MHz)
Test Specification: FCC15.247(b)
Comment: 3.6VDC

Test Result
☒ Passed
☐ Not Passed

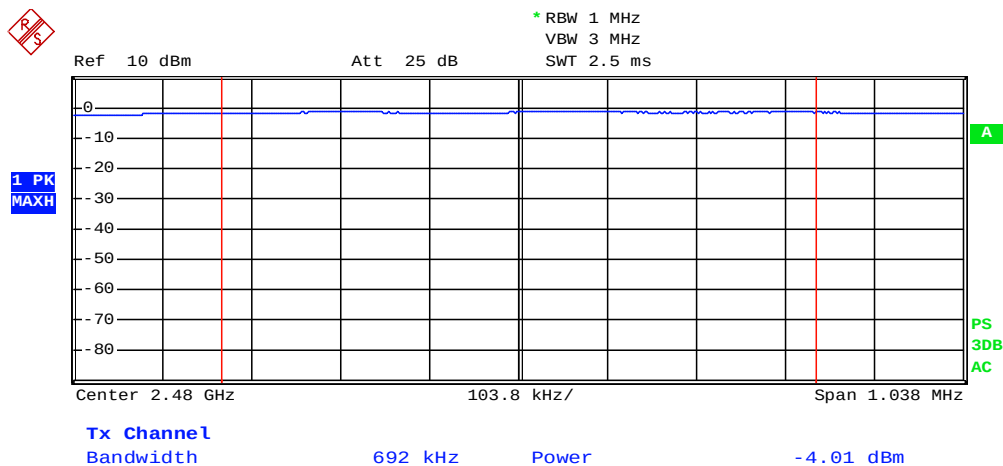


Conducted Output Power	Limit
-4.01 dBm	< 30dBm

6dB & 99% Bandwidth

EUT: HSTNW-D08W
Op Condition: Operated, TX Mode (2480MHz)
Test Specification: FCC15.247(b)
Comment: 3.6VDC

Test Result
☒ Passed
☐ Not Passed

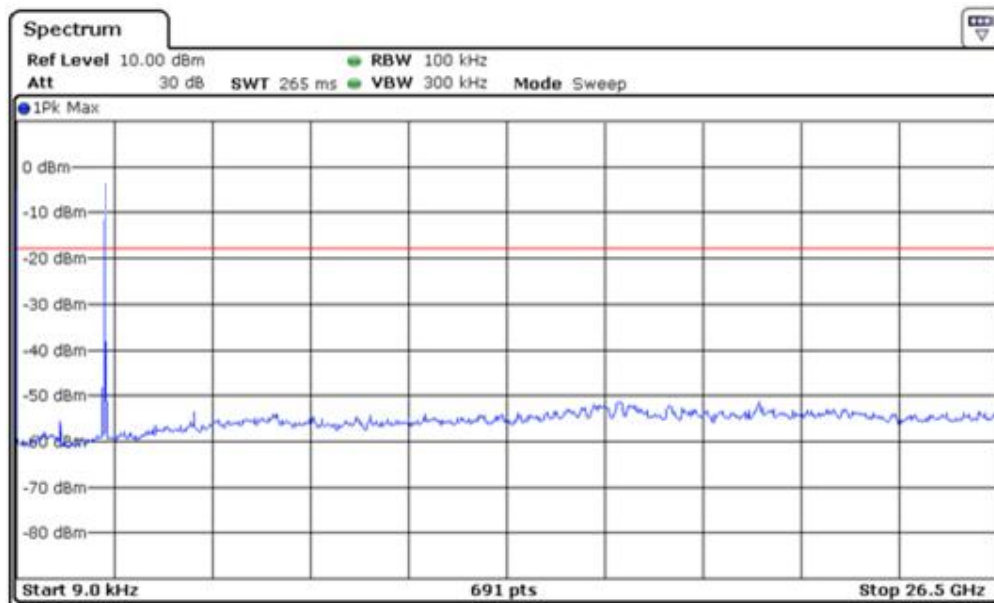


Conducted Output Power	Limit
-4.01 dBm	< 30dBm

7.5 Spurious Emissions at Antenna Terminals

EUT: HSTNW-D08W
Op Condition: Operated, TX Mode (2402MHz)
Test Specification: FCC2.1051 & 15.247(d)
Comment: 3.6VDC
Remark: 9kHz to 26.5GHz

Test Result	
☒	Passed
☐	Not Passed

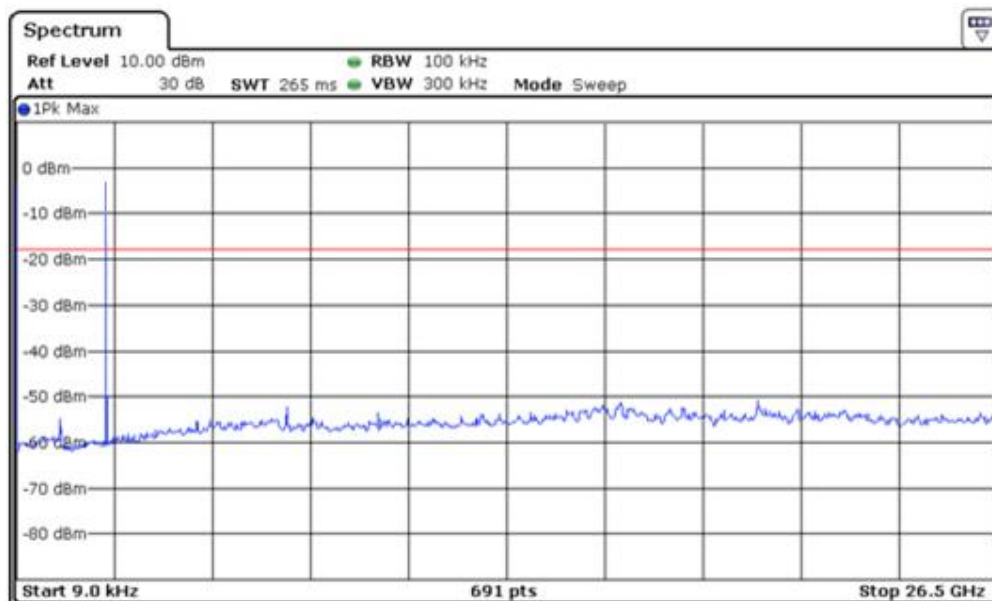


No significant emission above ambient noise level is detected

Spurious Emissions at Antenna Terminals

EUT: HSTNW-D08W
Op Condition: Operated, TX Mode (2440MHz)
Test Specification: FCC2.1051 & 15.247(d)
Comment: 3.6VDC
Remark: 9kHz to 26.5GHz

Test Result	
☒	Passed
☐	Not Passed

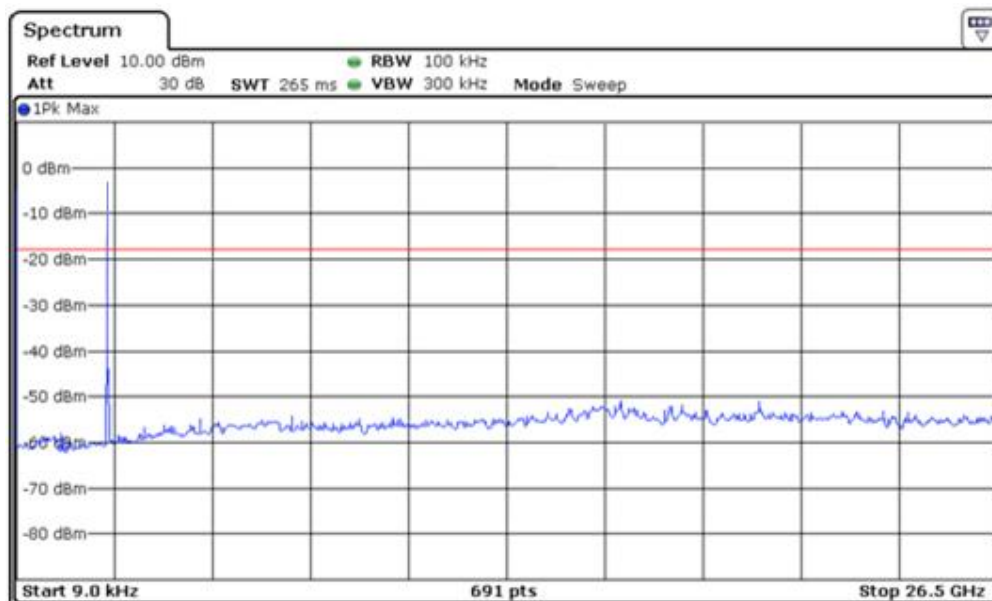


No significant emission above ambient noise level is detected

Spurious Emissions at Antenna Terminals

EUT: HSTNW-D08W
Op Condition: Operated, TX Mode (2480MHz)
Test Specification: FCC2.1051 & 15.247(d)
Comment: 3.6VDC
Remark: 9kHz to 26.5GHz

Test Result	
☒	Passed
☐	Not Passed

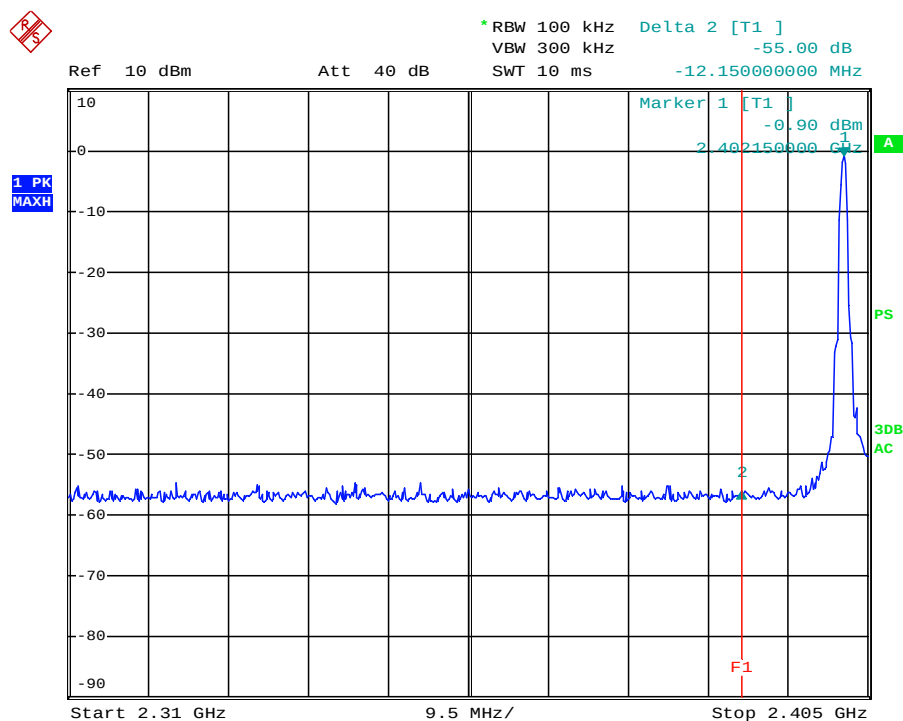


No significant emission above ambient noise level is detected

7.6 100kHz Bandwidth of band edges

EUT: HSTNW-D08W
 Op Condition: Operated, TX Mode (2402MHz)
 Test Specification: FCC15.247(d), Conducted
 Comment: 3.6VDC

Test Result	
☒	Passed
☐	Not Passed



Band edges	Limit
55.00 dB	> 20dB

100kHz Bandwidth of band edges

EUT: HSTNW-D08W
Op Condition: Operated, TX Mode (2402MHz)
Test Specification: FCC15.247(d), Radiated
Comment: 3.6VDC

Test Result
☒ Passed
☐ Not Passed

Frequency MHz	Result dB μ V/m	Limit dB μ V/m	Margin dB	Detector
2390.000	39.28	74	-34.72	Peak
2390.000	26.06	54	-27.94	Average

100kHz Bandwidth of band edges

EUT: HSTNW-D08W
Op Condition: Operated, TX Mode (2480MHz)
Test Specification: FCC15.247(d), Radiated
Comment: 3.6VDC

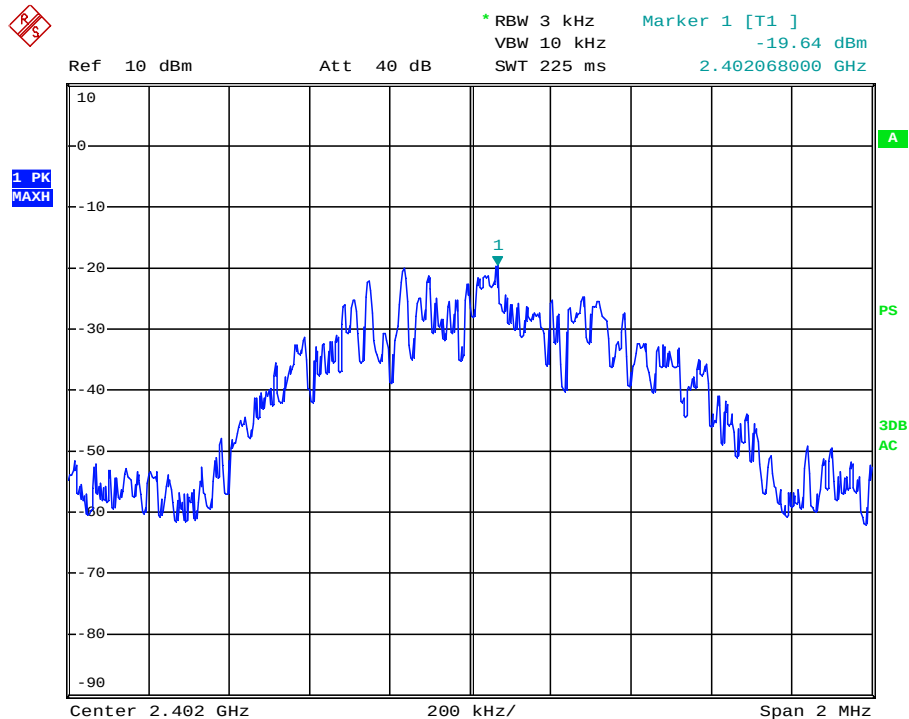
Test Result
☒ Passed
☐ Not Passed

Frequency MHz	Result dB μ V/m	Limit dB μ V/m	Margin dB	Detector
2483.500	43.49	74	-30.51	Peak
2483.500	21.62	54	-32.38	Average

7.7 Power Spectral Density

EUT: HSTNW-D08W
 Op Condition: Operated, TX Mode (2402MHz)
 Test Specification: FCC15.247(e)
 Comment: 3.6VDC

Test Result	
☒	Passed
☐	Not Passed

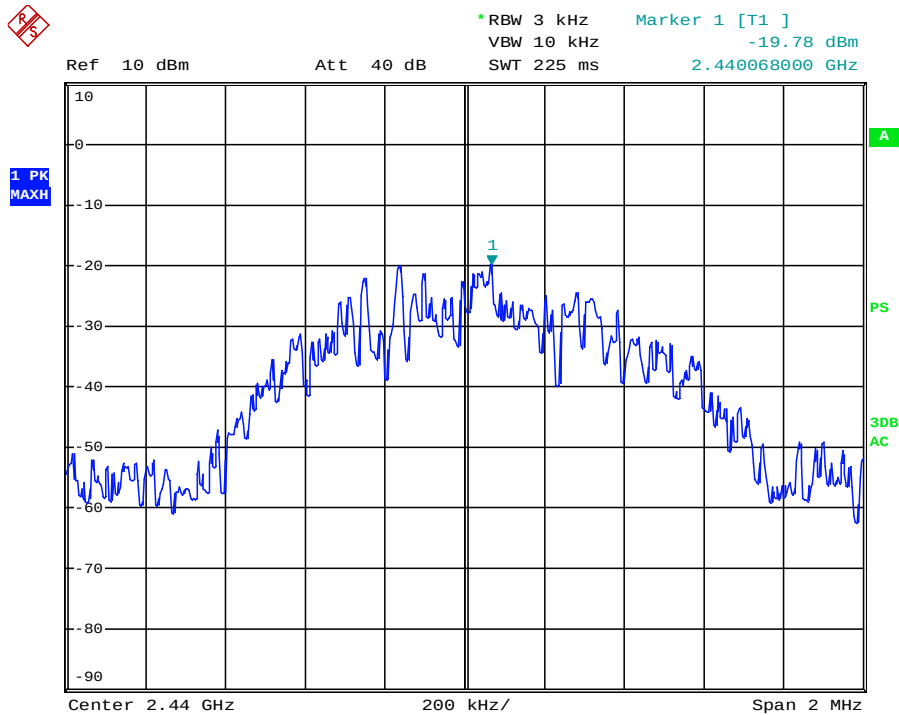


PSD	Result
-19.64 dBm / 3kHz	< 8 dBm / 3 kHz

Power Spectral Density

EUT: HSTNW-D08W
Op Condition: Operated, TX Mode (2440MHz)
Test Specification: FCC15.247(e)
Comment: 3.6VDC

Test Result
☒ Passed
☐ Not Passed

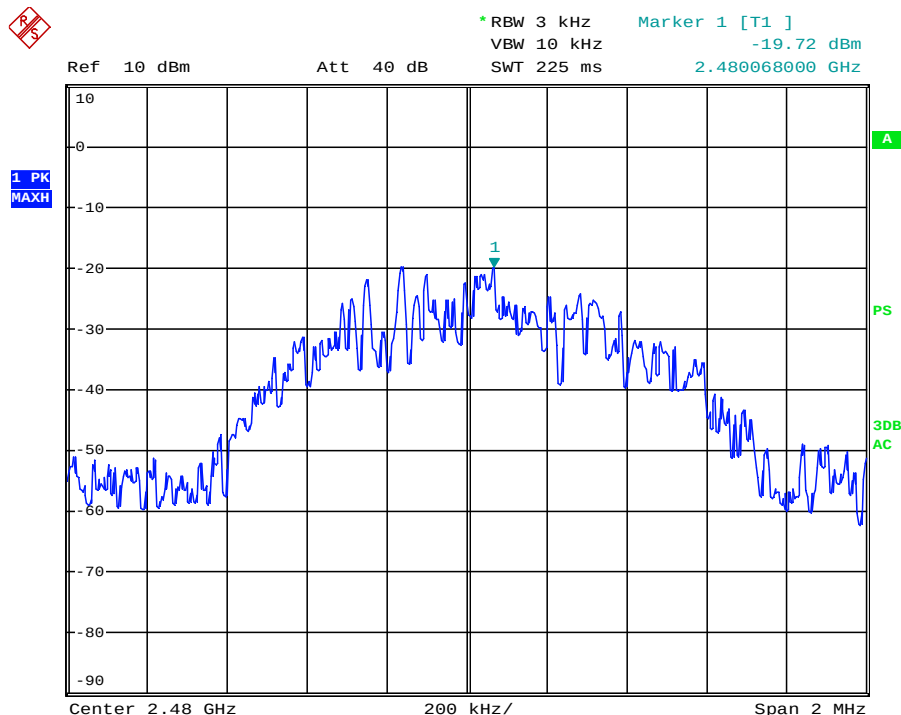


PSD	Result
-19.78 dBm / 3kHz	< 8 dBm / 3 kHz

Power Spectral Density

EUT: HSTNW-D08W
Op Condition: Operated, TX Mode (2480MHz)
Test Specification: FCC15.247(e)
Comment: 3.6VDC

Test Result	
☒	Passed
☐	Not Passed



PSD	Result
-19.72 dBm / 3kHz	< 8 dBm / 3 kHz

7.8 Antenna Requirement

EUT: HSTNW-D08W
Op Condition: Operated, TX Mode
Test Specification: FCC15.203 & 15.247(b)
Comment: 3.6VDC

Test Result	
☒	Passed
☐	Not Passed

Limit

For intentional device, according to FCC Title 47 Part 15.203, 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. And according to FCC Title 47 Part 15.247(b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connector Construction

The antenna used in this product is PCB antenna, and the maximum gain of this antenna is 0.0 dBi.

8 Appendix A - Photographs of EUT

HSTNW-D08W



Appendix A





Appendix A



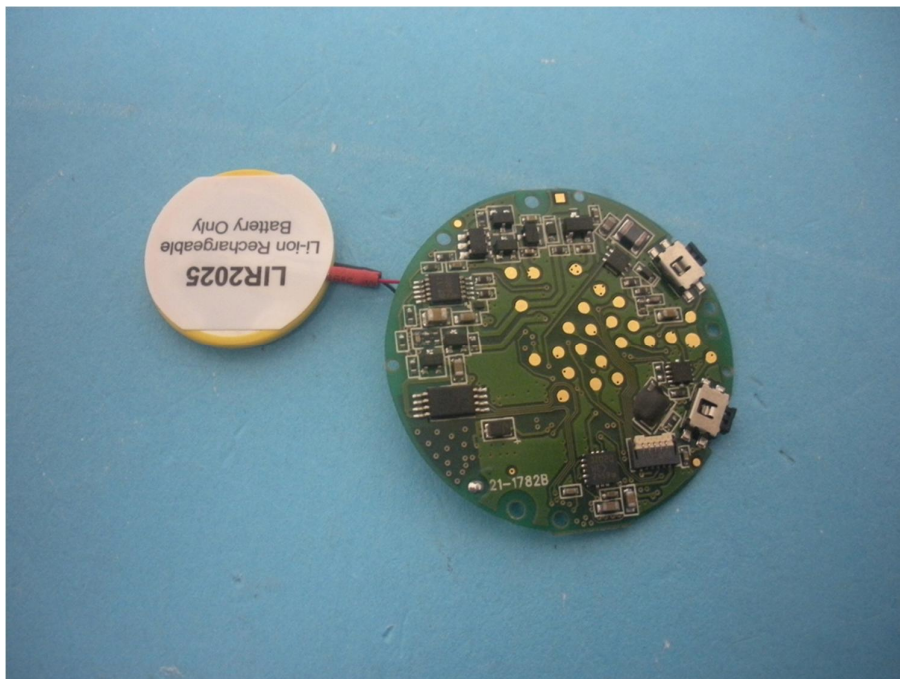
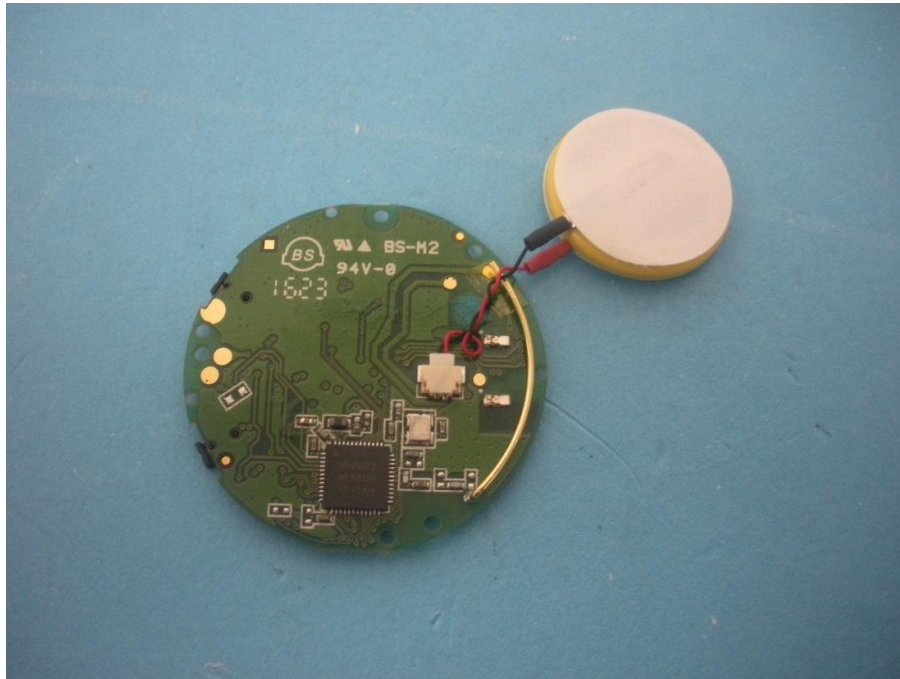
Appendix A



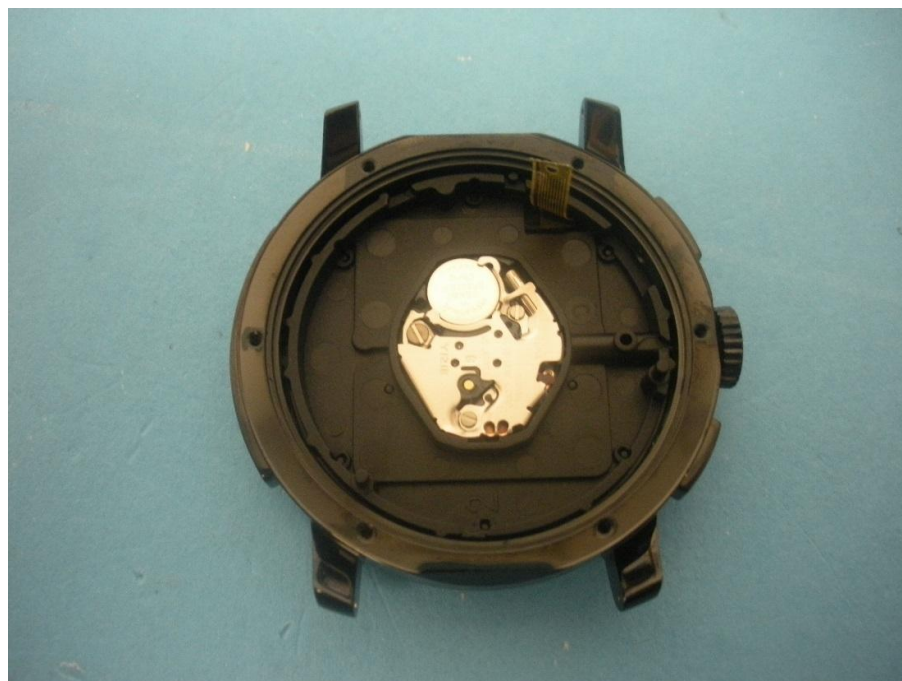
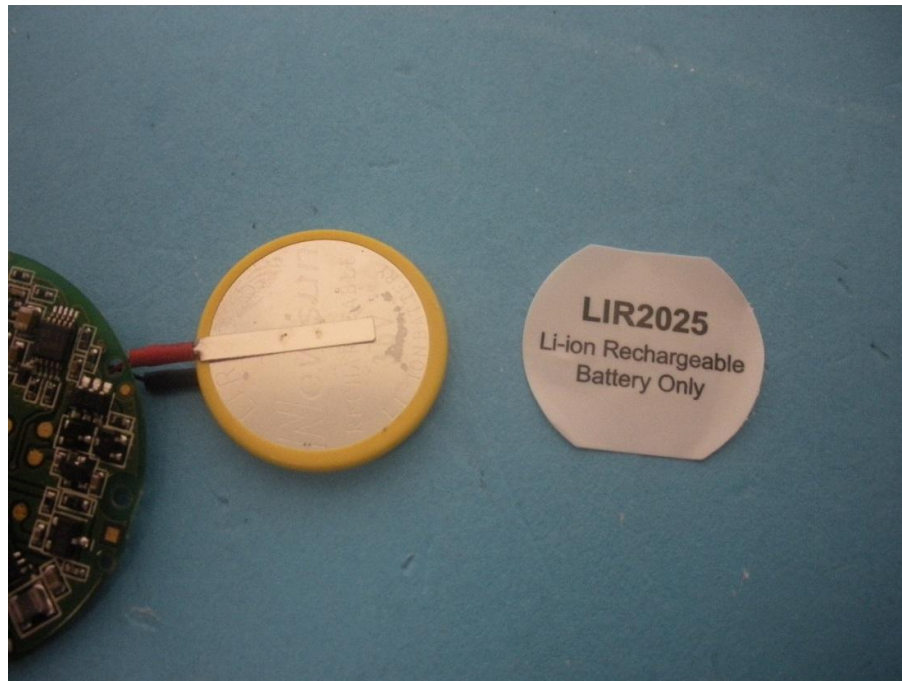
Appendix A



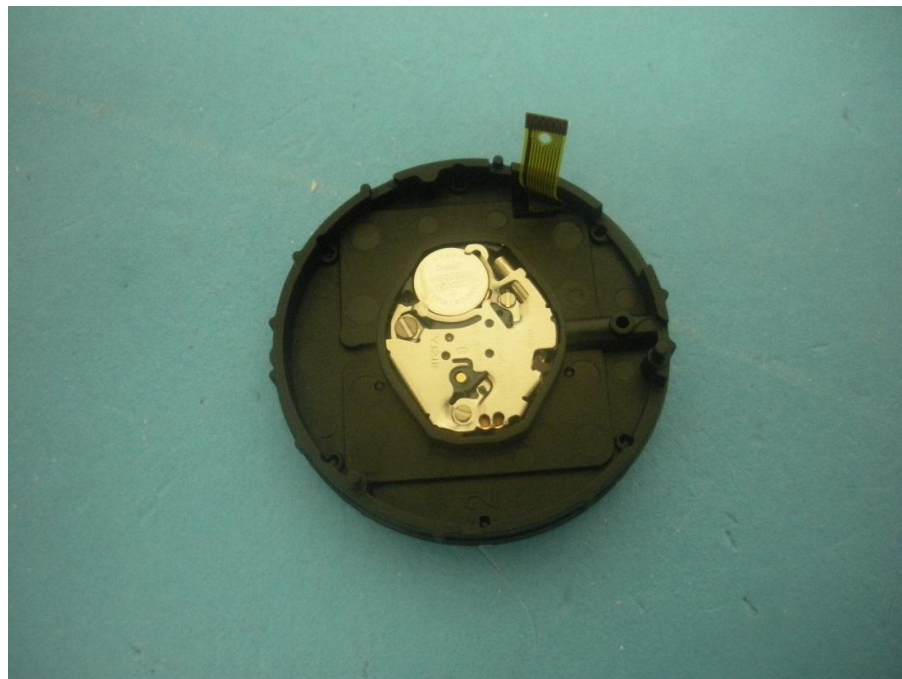
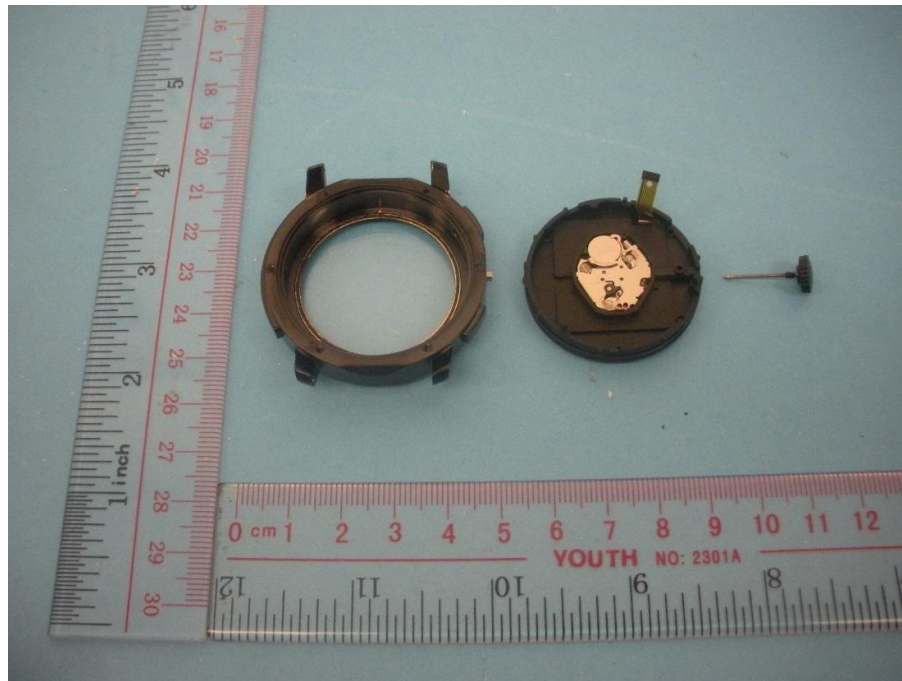
Appendix A



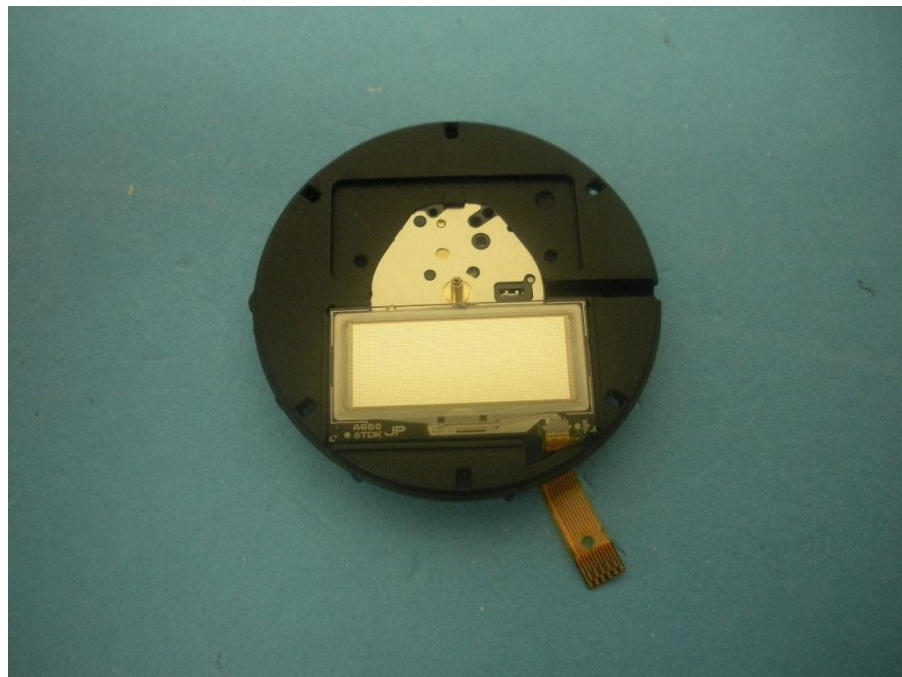
Appendix A



Appendix A



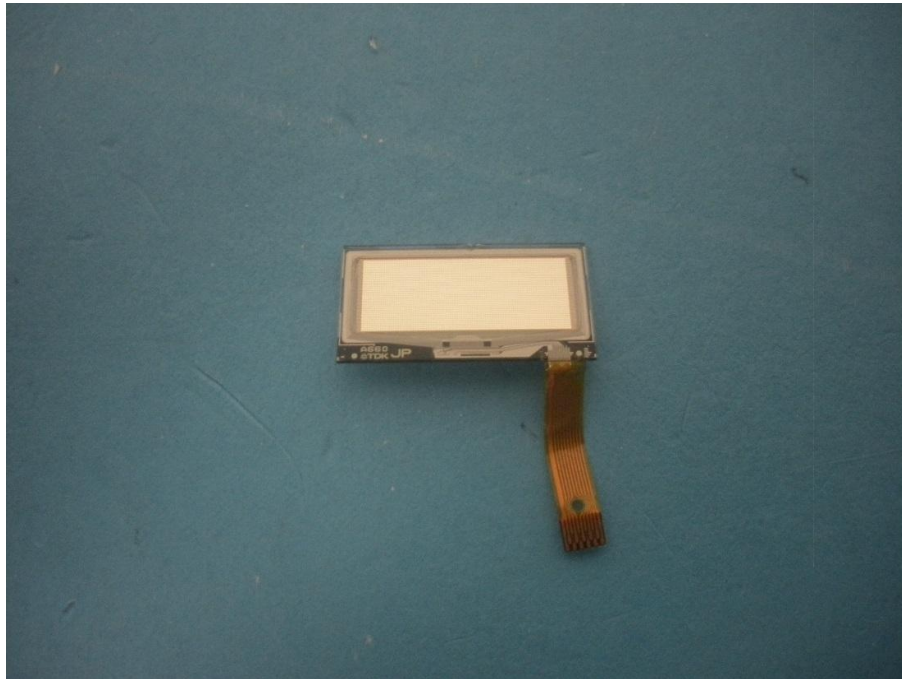
Appendix A



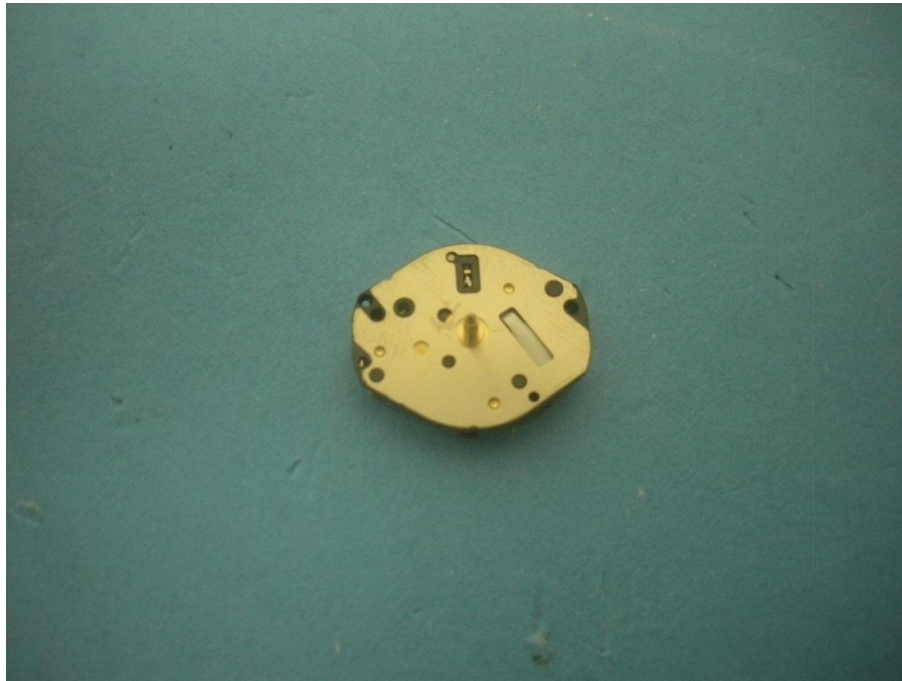
Appendix A



Appendix A



Appendix A

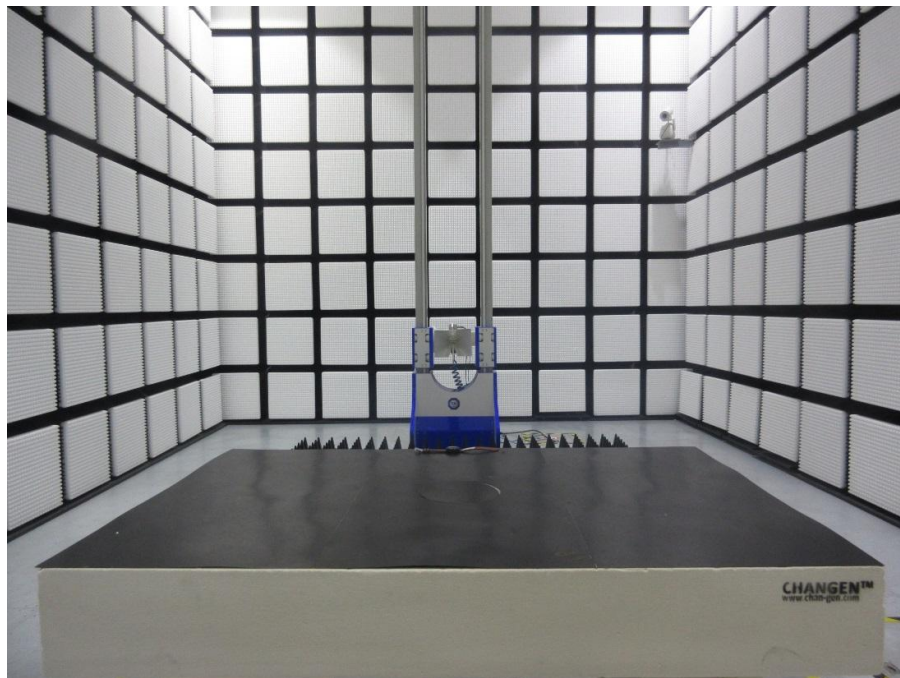


Appendix A



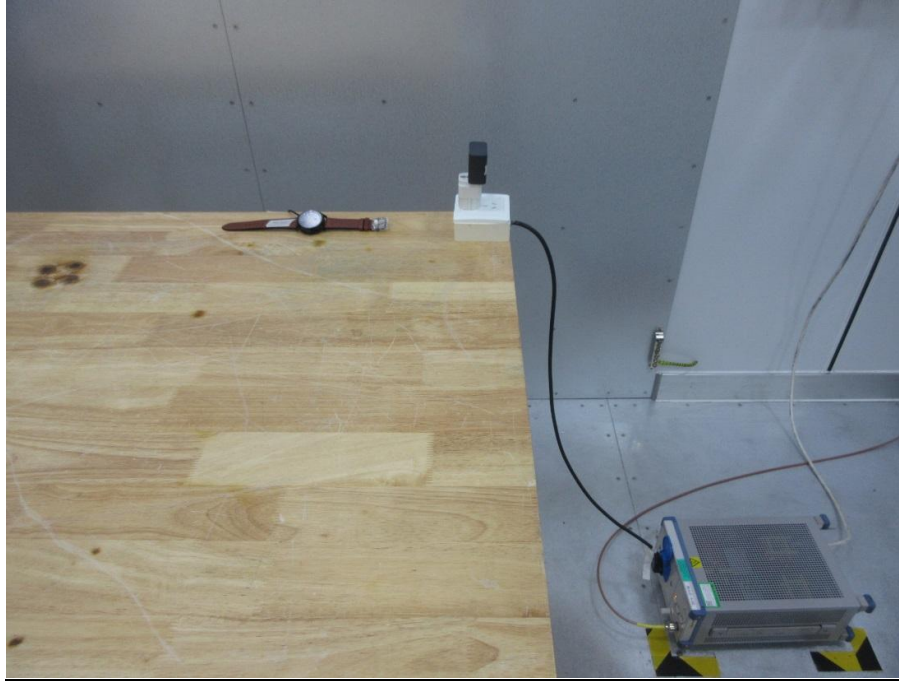
9 Appendix B - Setup Photographs of EUT

Spurious Radiated Emission



Appendix B

Conducted Emission



6dB & 99% Bandwidth, Peak Output Power,
Spurious Emissions at Antenna Terminals,
100kHz Bandwidth of band edges, Power Spectral Density



10 Appendix C - General Product Information

Radiofrequency radiation exposure evaluation

According to KDB 447498 D01v05r02 section 4.3.1,

>> The 1-g SAR test exclusion thresholds, for 100MHz to 6GHz, at test separation distances ≤ 50 mm are determined by:

Power at 2402MHz = 0.3946 mW EIRP

Power at 2440MHz = 0.3973 mW EIRP

Power at 2480MHz = 0.3973 mW EIRP

$[(0.3946 \text{ mW}) / (5 \text{ mm})] \cdot [\text{sqrt}(2.402 \text{ GHz})] = 0.1223$ which is ≤ 3.0 for 1-g SAR.

$[(0.3973 \text{ mW}) / (5 \text{ mm})] \cdot [\text{sqrt}(2.440 \text{ GHz})] = 0.1241$ which is ≤ 3.0 for 1-g SAR.

$[(0.3973 \text{ mW}) / (5 \text{ mm})] \cdot [\text{sqrt}(2.480 \text{ GHz})] = 0.1251$ which is ≤ 3.0 for 1-g SAR.

Therefore the device is exempt from stand-alone SAR test requirements.

>> The fundamental frequency of the EUT is 2402MHz-2480MHz, the test separation distance is $< 50\text{mm}$. (Manufacturer specification distance is $< 5\text{mm}$)

>> The power of EUT measured is:

- For 2402MHz: $0.3946\text{mW} = 10 \log(0.3946) \text{ dBm} \sim -4.04\text{dBm}$
- For 2440MHz: $0.3973\text{mW} = 10 \log(0.3973) \text{ dBm} \sim -4.01\text{dBm}$
- For 2480MHz: $0.3973\text{mW} = 10 \log(0.3973) \text{ dBm} \sim -4.01\text{dBm}$

Appendix C

To: TÜV SÜD HKG Ltd.

Attention: **Mr. Edmond Fung**
From: **Mr. LAP FAI WONG**
Fax No:

Date: August 1, 2016
Total Page (Cover Included): 1

Declaration Letter

Subject:

We: DAYTON INDUSTRIAL CO., LTD

Officially notify TÜV SÜD HKG Ltd. that the <<Additional Model>> have the same technical construction including circuit diagram, PCB Layout, components and component layout, all electrical construction and mechanical construction, with <<PRODUCT>>, <<Main Test Model>>. The difference lies only in outlook/ color of the different models.

<<Additional Model >>: HSTNW-D07W, HSTNW-D06W, HSTNW-D11W, HSTNW-D12W

<<Main Test Model >>: HSTNW-D08W

<<Product>>: BLE SMART WATCH

Applicant:



01st August 2016
(Date)

(Applicant's authorized signature and company Chop)