

TEST REPORT

Reference No...... : WTX23D02026776W
FCC ID : 2AQA6-H6008
Applicant..... : Shenzhen Intellirocks Tech. Co., Ltd.
Address..... : No. 2901-2904, 3002, Block C, Section 1, Chuangzhi Yuncheng Building, Liuxian Avenue, Xili Community, Xili Street, Nanshan District, Xili Street, Nanshan District, Shenzhen, Guangdong, China
Manufacturer : Shenzhen Intellirocks Tech. Co., Ltd.
Address..... : No. 2901-2904, 3002, Block C, Section 1, Chuangzhi Yuncheng Building, Liuxian Avenue, Xili Community, Xili Street, Nanshan District, Xili Street, Nanshan District, Shenzhen, Guangdong, China
Product..... : Smart LED Bulb
Model(s) : H6006
Standards..... : FCC CFR47 Part 15.247
Date of Receipt sample : 2023-03-16
Date of Test : 2023-03-16 to 2023-03-27
Date of Issue..... : 2023-04-11
Test Result..... : Pass

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Prepared By:

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3 Revision History

Test Report No.	Date of Receipt Sample	Date of Test	Date of Issue	Purpose	Comment	Approved
WTX23D02026776W	2023-03-16	2023-03-16 to 2023-03-27	2023-04-11	Original	-	Valid

4 General Information

This report is prepared for FCC Class II Permissive Change, add an optional antenna.

Ant.	Type	Operation Frequencies (MHz)	Antenna Gain (dBi)
Bluetooth & Wi-Fi Antenna	Spring Antenna	2400~2500	-0.41

Note: please refer to antenna specification for more details.

4.1 General Description of E.U.T.

Product:	Smart LED Bulb
Model(s):	H6006
Model Description:	N/A
Wi-Fi Specification:	2.4G-802.11b/g/n HT20
Bluetooth Version:	5.0
Hardware Version:	V1.0
Software Version:	1.00.18

4.2 Details of E.U.T.

Operation Frequency:	Wi-Fi: 802.11b/g/n HT20: 2412~2462MHz BLE: 2402-2480MHz
Max. RF output power:	Wi-Fi: 17.87dBm BLE: 4.44dBm
Type of Modulation:	Wi-Fi: CCK, OFDM BLE: GFSK
Ratings:	120V~ 0.125A, 60Hz, 9W

4.3 Test Facility

The test facility has a test site registered with the following organizations:

ISED CAB identifier: CN0013. Test Firm Registration No.: 7760A.

Waltek Testing Group Co., Ltd. Has been registered and fully described in a report filed with the Industry Canada. The acceptance letter from the Industry Canada is maintained in our files.

Registration number 7760A, October 15, 2016.

FCC Designation No.: CN1201. Test Firm Registration No.: 523476.

Waltek Testing Group Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration number 523476, September 10, 2019.

4.4 Channel List

WIFI

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	2412	2	2417	3	2422	4	2427
5	2432	6	2437	7	2442	8	2447
9	2452	10	2457	11	2462	12	-

BLE

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
0	2402	1	2404	2	2406	3	2408
4	2410	5	2412	6	2414	7	2416
8	2418	9	2420	10	2422	11	2424
12	2426	13	2428	14	2430	15	2432
16	2434	17	2436	18	2438	19	2440
20	2442	21	2444	22	2446	23	2448
24	2450	25	2452	26	2454	27	2456
28	2458	29	2460	30	2462	31	2464
32	2466	33	2468	34	2470	35	2472
36	2474	37	2476	38	2478	39	2480

4.5 Test Mode

Table 1 Tests Carried Out Under FCC part 15.247

Test Items	Mode	Data Rate	Channel	TX/RX
Transmitter Spurious Emissions	802.11b	1 Mbps	1/6/11	TX
	802.11g	6 Mbps	1/6/11	TX
	802.11n HT20	MCS0	1/6/11	TX

Table 2 Tests Carried Out Under FCC part 15.247

Test Items	Mode	Data Rate	Channel	TX/RX
Transmitter Spurious Emissions	BLE	1 Mbps	0/19/39	TX

Note: Parameters set by test software during channel & power tests, the software provided by the customer was used to set the operating channels as well as the output power level. The RF output power set is the power expected by the manufacturer and is going to be fixed on the firmware of the final product.

5 Test Summary

Test Items	Test Requirement	Result
Radiated Spurious Emissions	15.247(d) 15.205(a) 15.209(a)	PASS

6 Equipment Used during Test

6.1 Equipments List

3m Semi-anechoic Chamber for Radiation Emissions Test site 1#						
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date
1	Spectrum Analyzer	R&S	FSP30	100091	2022-04-28	2023-04-27
2	Amplifier	Agilent	8447D	2944A10178	2022-08-01	2023-07-31
3	Trilog Broadband Antenna	SCHWARZBECK	VULB9163	336	2022-08-07	2023-08-06
4	Coaxial Cable (below 1GHz)	Top	TYPE16(13M)	-	2022-04-28	2023-04-27
5	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9120 D	667	2022-04-28	2023-04-27
6	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9170	335	2022-07-29	2023-07-28
7	Broadband Preamplifier	COMPLIANCE DIRECTION	PAP-1G18	2004	2022-08-08	2023-08-07
8	Coaxial Cable (above 1GHz)	ZT26-NJ-NJ-8M/FA	1GHz-18GHz	NA	2022-04-28	2023-04-27
3m Semi-anechoic Chamber for Radiation Emissions Test site 2#						
Item	Equipment	Manufacturer	Model No.	Serial No	Last Calibration Date	Calibration Due Date
1	Test Receiver	R&S	ESCI	101296	2022-04-28	2023-04-27
2	Trilog Broadband Antenna	SCHWARZBECK	VULB9160	9160-3325	2022-10-30	2023-10-29
3	Active Loop Antenna	Com-Power Corp.	AL-130R	10160007	2022-05-02	2023-05-01
4	Amplifier	ANRITSU	MH648A	M43381	2022-04-28	2023-04-27
5	Cable	HUBER+SUHNER	CBL2	525178	2022-04-28	2023-04-27

6.2 Description of Support Units

Equipment	Manufacturer	Model No.	Series No.
/	/	/	/

6.3 Measurement Uncertainty

Parameter	Uncertainty
Conducted Emission	± 3.64dB (AC mains 150KHz~30MHz)
Radiated Spurious Emissions	± 5.08dB (Bilog antenna 30M~1000MHz)
	± 5.47 dB (Horn antenna 1000M~25000MHz)
Radio Frequency	± 1 x 10 ⁻⁷ Hz
RF Power	± 0.42 dB
RF Power Density	± 0.7dB
Conducted Spurious Emissions	± 2.76 dB (9kHz~26500MHz)
Confidence interval: 95%. Confidence factor: k=2	

6.4 Test Equipment Calibration

All the test equipments used are valid and calibrated by CEPREI Certification Body that address is No.110 Dongguan Zhuang RD. Guangzhou, P.R.China.

7 Radiated Emissions

Test Requirement: FCC CFR47 Part 15 Section 15.209 & 15.247

Test Method: KDB 558074 D01 15.247 Meas Guidance v05r02, April 2, 2019;
ANSI C63.10:2013

Test Result: PASS

Measurement Distance: 3m

Limit:

Frequency (MHz)	Field Strength		Field Strength Limit at 3m Measurement Dist	
	uV/m	Distance (m)	uV/m	dBuV/m
0.009 ~ 0.490	$2400/F(\text{kHz})$	300	$10000 * 2400/F(\text{kHz})$	$20\log^{(2400/F(\text{kHz}))} + 80$
0.490 ~ 1.705	$24000/F(\text{kHz})$	30	$100 * 24000/F(\text{kHz})$	$20\log^{(24000/F(\text{kHz}))} + 40$
1.705 ~ 30	30	30	$100 * 30$	$20\log^{(30)} + 40$
30 ~ 88	100	3	100	$20\log^{(100)}$
88 ~ 216	150	3	150	$20\log^{(150)}$
216 ~ 960	200	3	200	$20\log^{(200)}$
Above 960	500	3	500	$20\log^{(500)}$

7.1 EUT Operation

Operating Environment:

Temperature: 23.5 °C

Humidity: 52.1 % RH

Atmospheric Pressure: 101.2kPa

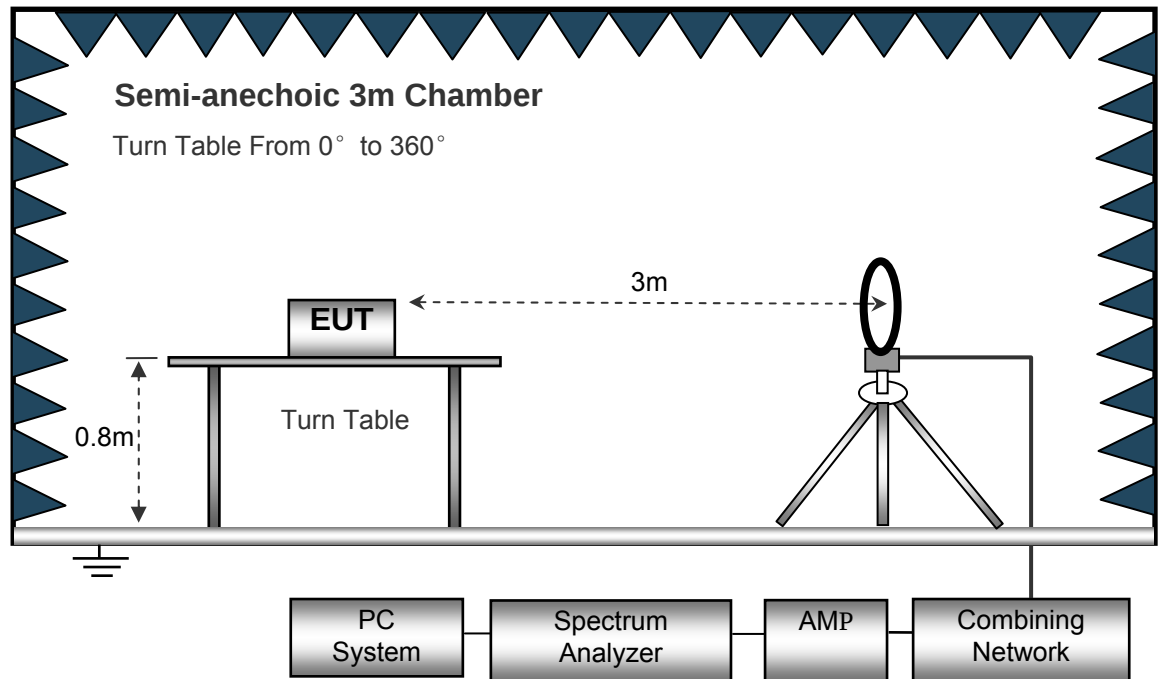
EUT Operation:

The test was performed in TX transmitting mode, the test data were shown in the report.

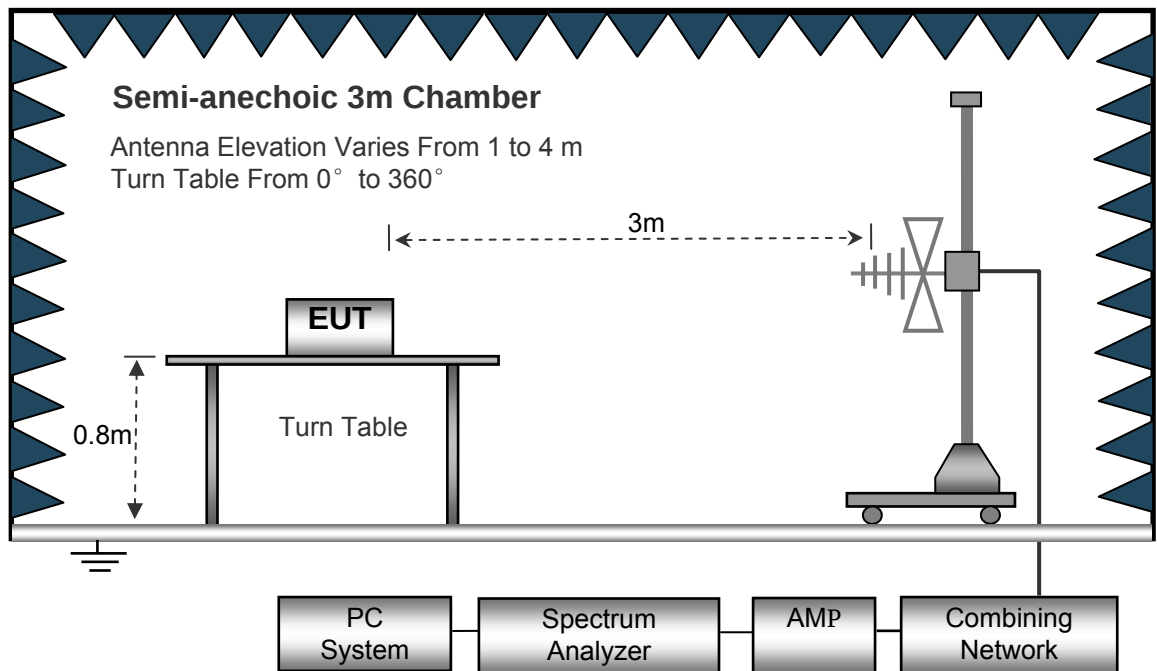
7.2 Test Setup

The radiated emission tests were performed in the 3m Semi- Anechoic Chamber test site, using the setup accordance with the ANSI C63.10.

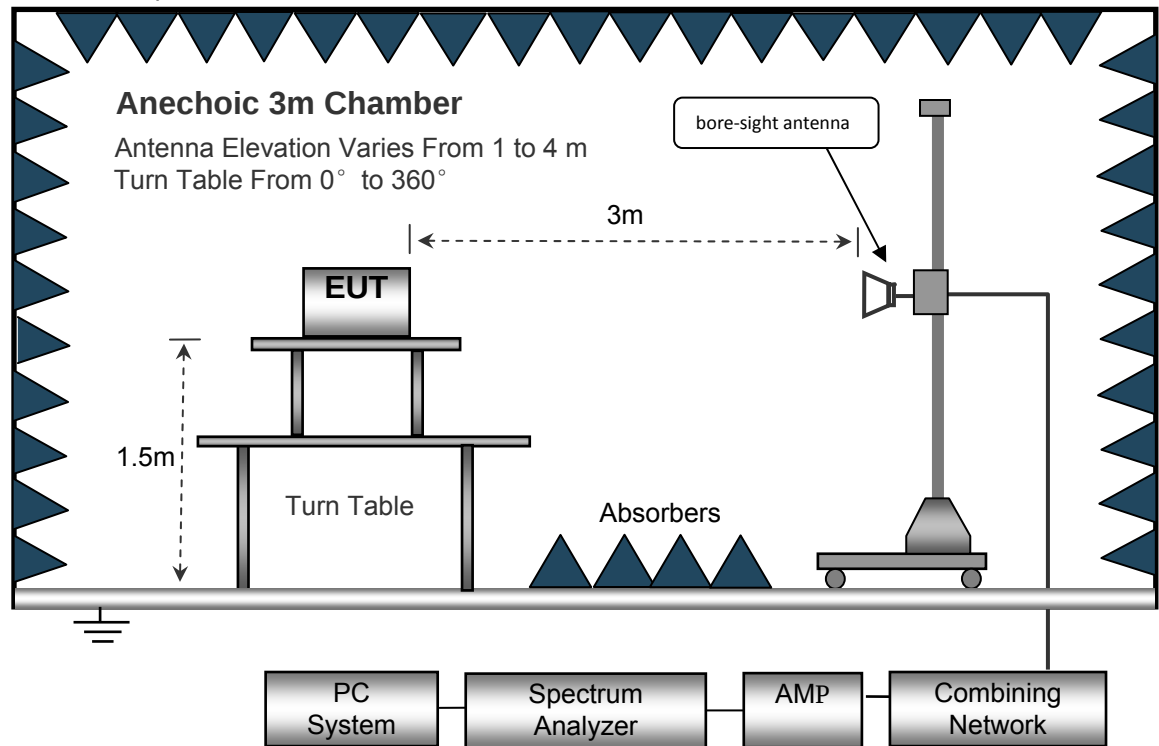
The test setup for emission measurement below 30MHz.



The test setup for emission measurement from 30 MHz to 1 GHz.



The test setup for emission measurement above 1 GHz.



7.3 Spectrum Analyzer Setup

Below 30MHz

Sweep Speed Auto
IF Bandwidth..... 10kHz
Video Bandwidth..... 10kHz
Resolution Bandwidth..... 10kHz

30MHz ~ 1GHz

Sweep Speed Auto
Detector PK
Resolution Bandwidth..... 100kHz
Video Bandwidth..... 300kHz

Above 1GHz

Sweep Speed Auto
Detector PK
Resolution Bandwidth..... 1MHz
Video Bandwidth..... 3MHz
Detector Ave.
Resolution Bandwidth..... 1MHz
Video Bandwidth..... 10Hz

7.4 Test Procedure

1. The EUT is placed on a turntable, which is 0.8m above ground plane for below 1GHz and 1.5m for above 1GHz.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is moved from 1m to 4m to find out the maximum emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.
7. The radiation measurements are performed in X,Y and Z axis positioning(X denotes lying on the table, Y denotes side stand and Z denotes vertical stand),the worst condition was tested putting the eut in Z axis,so the worst data were shown as follow.
8. A 2.4GHz high –pass filter is used during radiated emissions above 1GHz measurement.

7.5 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Antenna Factor} + \text{Cable Factor} - \text{Amplifier Gain}$$

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB means the emission is 7dB below the maximum limit for Class B. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Corr. Ampl.} - \text{Limit}$$

7.6 Summary of Test Results

Test Frequency: 9KHz~30MHz

The measurements were more than 20 dB below the limit and not reported.

Wi-Fi:

Test Frequency: 30MHz ~ 8GHz

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	Limit	Margin
				Height	Polar				
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
11b: Low Channel 2412MHz									
239.15	39.45	QP	51	1.6	H	-11.65	27.80	46.00	-18.20
239.15	40.85	QP	343	1.7	V	-11.65	29.20	46.00	-16.80
4824.00	47.47	PK	107	1.1	V	-1.06	46.41	74.00	-27.59
4824.00	46.11	Ave	107	1.1	V	-1.06	45.05	54.00	-8.95
7236.00	42.61	PK	78	1.1	H	1.33	43.94	74.00	-30.06
7236.00	39.94	Ave	78	1.1	H	1.33	41.27	54.00	-12.73
2339.41	46.17	PK	26	1.8	V	-13.19	32.98	74.00	-41.02
2339.41	37.91	Ave	26	1.8	V	-13.19	24.72	54.00	-29.28
2372.11	44.06	PK	345	1.8	H	-13.14	30.92	74.00	-43.08
2372.11	37.29	Ave	345	1.8	H	-13.14	24.15	54.00	-29.85
2498.90	43.51	PK	51	1.9	V	-13.08	30.43	74.00	-43.57
2498.90	38.14	Ave	51	1.9	V	-13.08	25.06	54.00	-28.94

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	Limit	Margin
				Height	Polar				
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
11b: Middle Channel 2437MHz									
239.15	40.66	QP	327	1.6	H	-11.65	29.01	46.00	-16.99
239.15	42.74	QP	159	1.3	V	-11.65	31.09	46.00	-14.91
4874.00	48.42	PK	89	1.6	V	-0.62	47.80	74.00	-26.20
4874.00	45.22	Ave	89	1.6	V	-0.62	44.60	54.00	-9.40
7311.00	42.48	PK	81	1.2	H	2.21	44.69	74.00	-29.31
7311.00	39.53	Ave	81	1.2	H	2.21	41.74	54.00	-12.26
2322.23	45.00	PK	252	1.9	V	-13.19	31.81	74.00	-42.19
2322.23	37.14	Ave	252	1.9	V	-13.19	23.95	54.00	-30.05
2376.67	44.19	PK	6	1.5	H	-13.14	31.05	74.00	-42.95
2376.67	36.96	Ave	6	1.5	H	-13.14	23.82	54.00	-30.18
2490.27	44.23	PK	80	1.1	V	-13.08	31.15	74.00	-42.85
2490.27	36.37	Ave	80	1.1	V	-13.08	23.29	54.00	-30.71

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	Limit	Margin
				Height	Polar				
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
11b: High Channel 2462MHz									
239.15	38.71	QP	291	1.6	H	-11.65	27.06	46.00	-18.94
239.15	39.86	QP	233	2.0	V	-11.65	28.21	46.00	-17.79
4924.00	46.34	PK	348	1.0	V	-0.24	46.10	74.00	-27.90
4924.00	44.34	Ave	348	1.0	V	-0.24	44.10	54.00	-9.90
7386.00	41.86	PK	98	1.2	H	2.84	44.70	74.00	-29.30
7386.00	38.58	Ave	98	1.2	H	2.84	41.42	54.00	-12.58
2343.42	46.60	PK	343	2.0	V	-13.19	33.41	74.00	-40.59
2343.42	38.37	Ave	343	2.0	V	-13.19	25.18	54.00	-28.82
2369.30	42.78	PK	74	1.0	H	-13.14	29.64	74.00	-44.36
2369.30	37.83	Ave	74	1.0	H	-13.14	24.69	54.00	-29.31
2490.63	43.42	PK	287	1.5	V	-13.08	30.34	74.00	-43.66
2490.63	38.30	Ave	287	1.5	V	-13.08	25.22	54.00	-28.78

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	Limit	Margin
				Height	Polar				
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
11g: Low Channel 2412MHz									
239.15	37.80	QP	92	1.3	H	-11.65	26.15	46.00	-19.85
239.15	38.49	QP	30	1.8	V	-11.65	26.84	46.00	-19.16
4824.00	45.97	PK	0	1.7	V	-1.06	44.91	74.00	-29.09
4824.00	45.35	Ave	0	1.7	V	-1.06	44.29	54.00	-9.71
7236.00	41.39	PK	94	1.6	H	1.33	42.72	74.00	-31.28
7236.00	39.77	Ave	94	1.6	H	1.33	41.10	54.00	-12.90
2320.49	46.72	PK	346	1.9	V	-13.19	33.53	74.00	-40.47
2320.49	38.37	Ave	346	1.9	V	-13.19	25.18	54.00	-28.82
2376.39	43.69	PK	177	1.9	H	-13.14	30.55	74.00	-43.45
2376.39	38.25	Ave	177	1.9	H	-13.14	25.11	54.00	-28.89
2496.74	42.88	PK	333	2.0	V	-13.08	29.80	74.00	-44.20
2496.74	37.05	Ave	333	2.0	V	-13.08	23.97	54.00	-30.03

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	Limit	Margin
				Height	Polar				
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
11g: Middle Channel 2437MHz									
239.15	38.94	QP	249	1.5	H	-11.65	27.29	46.00	-18.71
239.15	38.06	QP	95	1.9	V	-11.65	26.41	46.00	-19.59
4874.00	47.23	PK	287	1.8	V	-0.62	46.61	74.00	-27.39
4874.00	45.39	Ave	287	1.8	V	-0.62	44.77	54.00	-9.23
7311.00	42.18	PK	360	1.5	H	2.21	44.39	74.00	-29.61
7311.00	40.94	Ave	360	1.5	H	2.21	43.15	54.00	-10.85
2325.75	45.62	PK	356	1.9	V	-13.19	32.43	74.00	-41.57
2325.75	37.25	Ave	356	1.9	V	-13.19	24.06	54.00	-29.94
2383.60	44.15	PK	25	1.2	H	-13.14	31.01	74.00	-42.99
2383.60	36.43	Ave	25	1.2	H	-13.14	23.29	54.00	-30.71
2498.45	42.38	PK	181	1.9	V	-13.08	29.30	74.00	-44.70
2498.45	36.54	Ave	181	1.9	V	-13.08	23.46	54.00	-30.54

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	Limit	Margin
				Height	Polar				
(MHz)	(dB μ V)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)
11g: High Channel 2462MHz									
239.15	38.50	QP	302	1.1	H	-11.65	26.85	46.00	-19.15
239.15	41.48	QP	261	1.9	V	-11.65	29.83	46.00	-16.17
4924.00	46.72	PK	192	1.6	V	-0.24	46.48	74.00	-27.52
4924.00	44.46	Ave	192	1.6	V	-0.24	44.22	54.00	-9.78
7386.00	42.39	PK	30	1.8	H	2.84	45.23	74.00	-28.77
7386.00	43.70	Ave	30	1.8	H	2.84	46.54	54.00	-7.46
2312.80	45.25	PK	333	1.6	V	-13.19	32.06	74.00	-41.94
2312.80	38.33	Ave	333	1.6	V	-13.19	25.14	54.00	-28.86
2378.99	43.21	PK	258	1.0	H	-13.14	30.07	74.00	-43.93
2378.99	38.52	Ave	258	1.0	H	-13.14	25.38	54.00	-28.62
2488.69	44.39	PK	261	1.1	V	-13.08	31.31	74.00	-42.69
2488.69	37.41	Ave	261	1.1	V	-13.08	24.33	54.00	-29.67

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	Limit	Margin
				Height	Polar				
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
11n HT20: Low Channel 2412MHz									
239.15	38.20	QP	19	2.0	H	-11.65	26.55	46.00	-19.45
239.15	41.13	QP	27	1.7	V	-11.65	29.48	46.00	-16.52
4824.00	47.22	PK	341	1.8	V	-1.06	46.16	74.00	-27.84
4824.00	45.17	Ave	341	1.8	V	-1.06	44.11	54.00	-9.89
7236.00	43.23	PK	285	2.0	H	1.33	44.56	74.00	-29.44
7236.00	41.33	Ave	285	2.0	H	1.33	42.66	54.00	-11.34
2341.65	46.94	PK	332	1.2	V	-13.19	33.75	74.00	-40.25
2341.65	39.57	Ave	332	1.2	V	-13.19	26.38	54.00	-27.62
2377.00	44.04	PK	252	1.8	H	-13.14	30.90	74.00	-43.10
2377.00	38.57	Ave	252	1.8	H	-13.14	25.43	54.00	-28.57
2486.07	44.06	PK	141	1.9	V	-13.08	30.98	74.00	-43.02
2486.07	36.67	Ave	141	1.9	V	-13.08	23.59	54.00	-30.41

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	Limit	Margin
				Height	Polar				
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
11n HT20: Middle Channel 2437MHz									
239.15	37.08	QP	186	1.1	H	-11.65	25.43	46.00	-20.57
239.15	42.50	QP	269	1.9	V	-11.65	30.85	46.00	-15.15
4874.00	44.04	PK	255	1.9	V	-0.62	43.42	74.00	-30.58
4874.00	42.46	Ave	255	1.9	V	-0.62	41.84	54.00	-12.16
7311.00	45.50	PK	163	1.5	H	2.21	47.71	74.00	-26.29
7311.00	38.62	Ave	163	1.5	H	2.21	40.83	54.00	-13.17
2313.81	46.77	PK	22	1.8	V	-13.19	33.58	74.00	-40.42
2313.81	37.90	Ave	22	1.8	V	-13.19	24.71	54.00	-29.29
2361.44	42.80	PK	191	1.7	H	-13.14	29.66	74.00	-44.34
2361.44	37.98	Ave	191	1.7	H	-13.14	24.84	54.00	-29.16
2495.90	42.73	PK	243	1.6	V	-13.08	29.65	74.00	-44.35
2495.90	38.55	Ave	243	1.6	V	-13.08	25.47	54.00	-28.53

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	Limit	Margin
				Height	Polar				
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
11n HT20: High Channel 2462MHz									
239.15	39.41	QP	96	1.5	H	-11.65	27.76	46.00	-18.24
239.15	40.52	QP	102	1.4	V	-11.65	28.87	46.00	-17.13
4924.00	48.37	PK	95	1.8	V	-0.24	48.13	74.00	-25.87
4924.00	46.03	Ave	95	1.8	V	-0.24	45.79	54.00	-8.21
7386.00	43.66	PK	11	1.7	H	2.84	46.50	74.00	-27.50
7386.00	40.23	Ave	11	1.7	H	2.84	43.07	54.00	-10.93
2313.15	46.70	PK	72	1.7	V	-13.19	33.51	74.00	-40.49
2313.15	38.41	Ave	72	1.7	V	-13.19	25.22	54.00	-28.78
2377.41	43.83	PK	21	1.3	H	-13.14	30.69	74.00	-43.31
2377.41	37.79	Ave	21	1.3	H	-13.14	24.65	54.00	-29.35
2484.39	43.84	PK	295	1.1	V	-13.08	30.76	74.00	-43.24
2484.39	37.08	Ave	295	1.1	V	-13.08	24.00	54.00	-30.00

BLE:**Test Frequency: 30MHz ~ 8GHz**

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	Limit	Margin
				Height	Polar				
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
GFSK Low Channel 2402MHz									
271.35	33.79	QP	229	1.5	H	-13.28	20.51	46.00	-25.49
271.35	40.17	QP	157	1.3	V	-13.28	26.89	46.00	-19.11
4804.00	40.59	PK	349	1.5	V	-1.06	39.53	74.00	-34.47
4804.00	40.97	Ave	349	1.5	V	-1.06	39.91	54.00	-14.09
7206.00	42.73	PK	293	1.5	H	1.33	44.06	74.00	-29.94
7206.00	35.07	Ave	293	1.5	H	1.33	36.40	54.00	-17.60
2329.78	46.12	PK	195	1.5	V	-13.19	32.93	74.00	-41.07
2329.78	37.04	Ave	195	1.5	V	-13.19	23.85	54.00	-30.15
2364.14	42.26	PK	296	1.0	H	-13.14	29.12	74.00	-44.88
2364.14	36.37	Ave	296	1.0	H	-13.14	23.23	54.00	-30.77
2491.70	44.17	PK	208	1.0	V	-13.08	31.09	74.00	-42.91
2491.70	37.16	Ave	208	1.0	V	-13.08	24.08	54.00	-29.92

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	Limit	Margin
				Height	Polar				
(MHz)	(dB μ V)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)
GFSK Middle Channel 2440MHz									
271.35	34.47	QP	197	1.7	H	-13.35	21.12	46.00	-24.88
271.35	40.87	QP	82	1.7	V	-13.35	27.52	46.00	-18.48
4880.00	40.32	PK	179	1.9	V	-0.62	39.70	74.00	-34.30
4880.00	41.68	Ave	179	1.9	V	-0.62	41.06	54.00	-12.94
7320.00	42.92	PK	169	1.8	H	2.21	45.13	74.00	-28.87
7320.00	33.39	Ave	169	1.8	H	2.21	35.60	54.00	-18.40
2320.94	45.33	PK	32	1.6	V	-13.19	32.14	74.00	-41.86
2320.94	37.44	Ave	32	1.6	V	-13.19	24.25	54.00	-29.75
2378.83	44.37	PK	313	1.3	H	-13.14	31.23	74.00	-42.77
2378.83	36.93	Ave	313	1.3	H	-13.14	23.79	54.00	-30.21
2494.59	44.81	PK	120	1.7	V	-13.08	31.73	74.00	-42.27
2494.59	36.03	Ave	120	1.7	V	-13.08	22.95	54.00	-31.05

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	Limit	Margin
				Height	Polar				
(MHz)	(dB μ V)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)
GFSK High Channel 2480MHz									
271.35	33.90	QP	138	1.4	H	-13.35	20.55	46.00	-25.45
271.35	38.46	QP	148	1.9	V	-13.35	25.11	46.00	-20.89
4960.00	38.01	PK	52	1.4	V	-0.24	37.77	74.00	-36.23
4960.00	35.81	Ave	52	1.4	V	-0.24	35.57	54.00	-18.43
7440.00	43.08	PK	154	2.0	H	2.84	45.92	74.00	-28.08
7440.00	35.73	Ave	154	2.0	H	2.84	38.57	54.00	-15.43
2319.23	45.01	PK	216	1.0	V	-13.19	31.82	74.00	-42.18
2319.23	37.16	Ave	216	1.0	V	-13.19	23.97	54.00	-30.03
2378.60	43.85	PK	152	2.0	H	-13.14	30.71	74.00	-43.29
2378.60	37.02	Ave	152	2.0	H	-13.14	23.88	54.00	-30.12
2484.94	44.32	PK	190	1.5	V	-13.08	31.24	74.00	-42.76
2484.94	37.29	Ave	190	1.5	V	-13.08	24.21	54.00	-29.79

Test Frequency: 8GHz~25GHz

The measurements were more than 20 dB below the limit and not reported.

8 Photographs of test setup and EUT.

Note: Please refer to appendix: Appendix-H6006-Photos.

=====End of Report=====