

TEST REPORT

Report No.: BCTC2202318065-2E

Applicant: Shenzhen Intellirocks Tech. Co., Ltd.

Product Name: Govee Glide 3D Hexagon Light Panels

Model/Type Ref.: H6066

Tested Date: 2022-02-11 to 2022-02-17

Issued Date: 2022-02-17

Shenzhen BCTC Testing Co., Ltd.



FCC ID: 2AQA6-H6066

Product Name: Govee Glide 3D Hexagon Light Panels

Trademark: N/A

Model/Type Ref.: H6066

Prepared For: 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, 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, Shenzhen, Guangdong, China

Prepared By: Shenzhen BCTC Testing Co., Ltd.

Address: 1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Tangwei, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Sample Received Date: 2022-02-11

Sample tested Date: 2022-02-11 to 2022-02-17

Issue Date: 2022-02-17

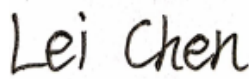
Report No.: BCTC2202318065-2E

Test Standards: FCC Part15.247
ANSI C63.10-2013

Test Results: PASS

Remark: This is WIFI-2.4GHz band radio test report.

Tested by:



Lei Chen/Project Handler

Approved by:



Zero Zhou/Reviewer

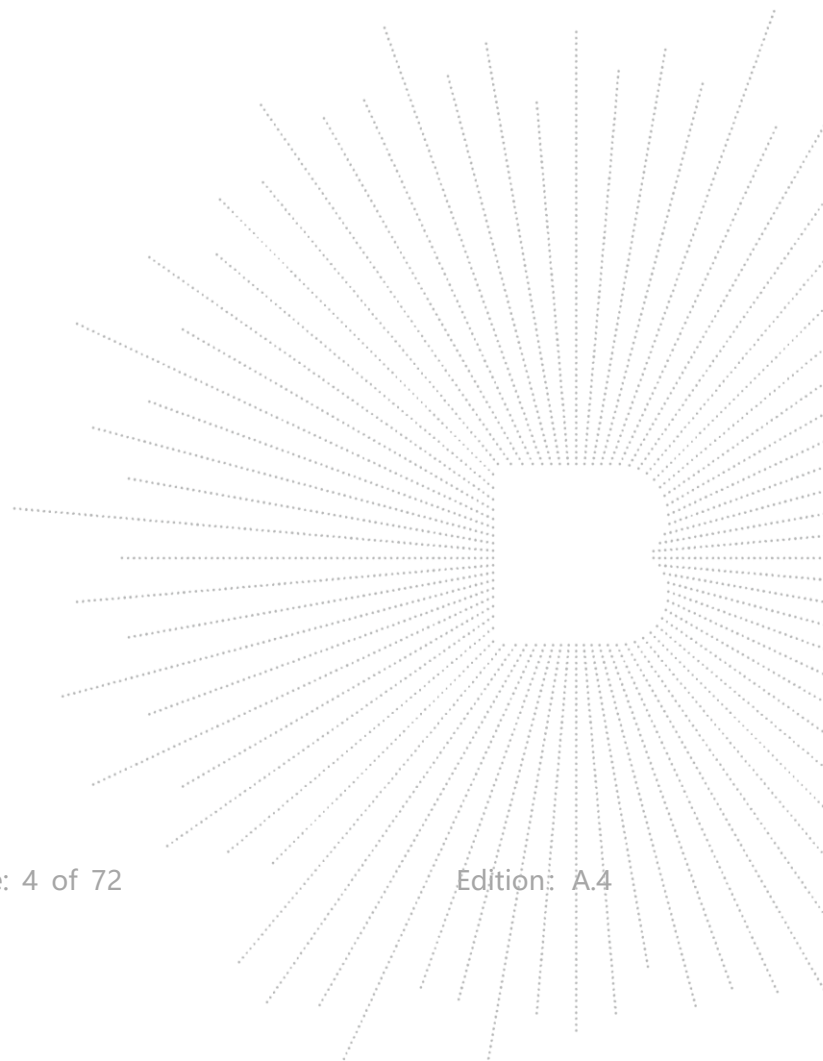
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(Note: N/A means not applicable)



1. Version

Report No.	Issue Date	Description	Approved
BCTC2202318065-2E	2022-02-17	Original	Valid

2. Test Summary

The Product has been tested according to the following specifications:

No.	Test Parameter	Clause No	Results
1	Conducted Emission	15.207	PASS
2	6dB Bandwidth	15.247 (a)(2)	PASS
3	Peak Output Power	15.247 (b)	PASS
4	Radiated Spurious Emission	15.247 (d)	PASS
5	Power Spectral Density	15.247 (e)	PASS
6	Restricted Band of Operation	15.205	PASS
7	Band Edge (Out of Band Emissions)	15.247 (d)	PASS
8	Antenna Requirement	15.203	PASS

3. Measurement Uncertainty

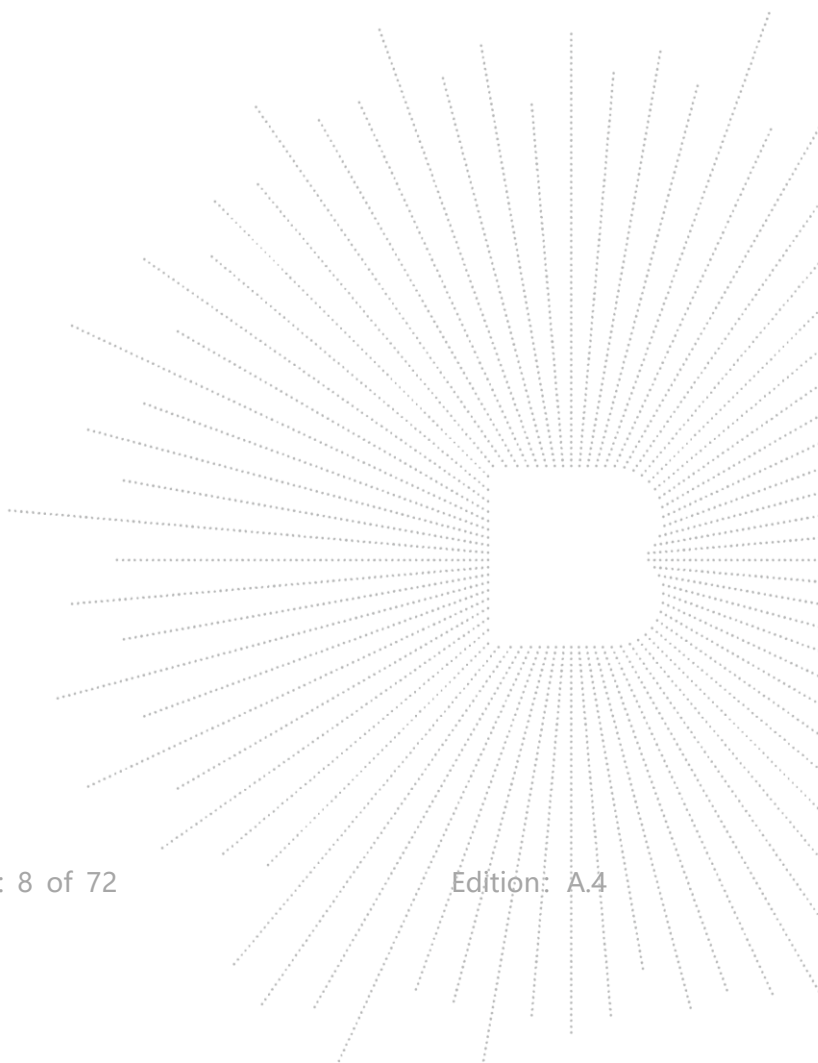
Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

No.	Item	Uncertainty
1	3m chamber Radiated spurious emission(9kHz-30MHz)	U=3.7dB
2	3m chamber Radiated spurious emission(30MHz-1GHz)	U=4.3dB
3	3m chamber Radiated spurious emission(1GHz-18GHz)	U=4.5dB
4	3m chamber Radiated spurious emission(18GHz-40GHz)	U=3.34dB
5	Conducted Emission(150kHz-30MHz)	U=3.20dB
6	Conducted Adjacent channel power	U=1.38dB
7	Conducted output power uncertainty Above 1G	U=1.576dB
8	Conducted output power uncertainty below 1G	U=1.28dB
9	humidity uncertainty	U=5.3%
10	Temperature uncertainty	U=0.59°C

4. Product Information And Test Setup

4.1 Product Information

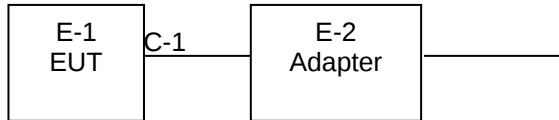
Model/Type Ref.:	H6066
Model differences:	N/A
Hardware Version:	1.02.00
Software Version:	2.00.12
Operation Frequency:	802.11b/g/n20MHz:2412~2462 MHz
Bit Rate of Transmitter	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6Mbps 802.11n Up to 75Mbps
Type of Modulation:	WIFI: OFDM/DSSS
Number Of Channel	802.11b/g/n20MHz:11 CH
Antenna Gain:	0dBi
Ratings:	DC 36V from adapter Model No.: BI72G-360200-E2
Adapter:	Input: AC100-240V 50/60Hz 1.8A Output: DC36V 2A



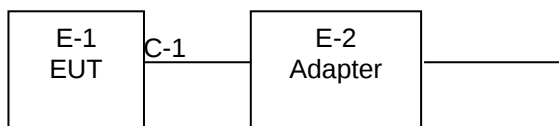
4.2 Test Setup Configuration

See test photographs attached in *EUT TEST SETUP PHOTOGRAPHS* for the actual connections between Product and support equipment.

Conducted Emission:



Radiated Spurious Emission



4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	Govee Glide 3D Hexagon Light Panels	N/A	H6066	N/A	EUT
E-2	Adapter	N/A	BI72G-360200-E2	N/A	Auxiliary

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	0.5M	DC cable unshielded

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.

4.4 Channel List

Channel List for 802.11b/g/n(20)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	02	2417	03	2422
04	2427	05	2432	06	2437
07	2442	08	2447	09	2452
10	2457	11	2462		

4.5 Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	802.11b CH1/ CH6/ CH11
Mode 2	802.11g CH1/ CH6/ CH11
Mode 3	802.11n20 CH1/ CH6/ CH11
Mode 4	Link Mode

Radiated Emission	
Final Test Mode	Description
Mode 4	Link Mode

For Radiated Emission	
Final Test Mode	Description
Mode 1	802.11b CH1/ CH6/ CH11
Mode 2	802.11g CH1/ CH6/ CH11
Mode 3	802.11n20 CH1/ CH6/ CH11

Note:

(1) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.

4.6 Table Of Parameters Of Text Software Setting

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters

Test software Version	AmebaZ2_mptool_1V3		
Frequency	2412 MHz	2437 MHz	2462 MHz
Parameters	DEF	DEF	DEF

5. Test Facility And Test Instrument Used

5.1 Test Facility

All measurement facilities used to collect the measurement data are located at Shenzhen BCTC Testing Co., Ltd. Address: 1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Tangwei, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.
FCC Test Firm Registration Number: 712850
IC Registered No.: 23583

5.2 Test Instrument Used

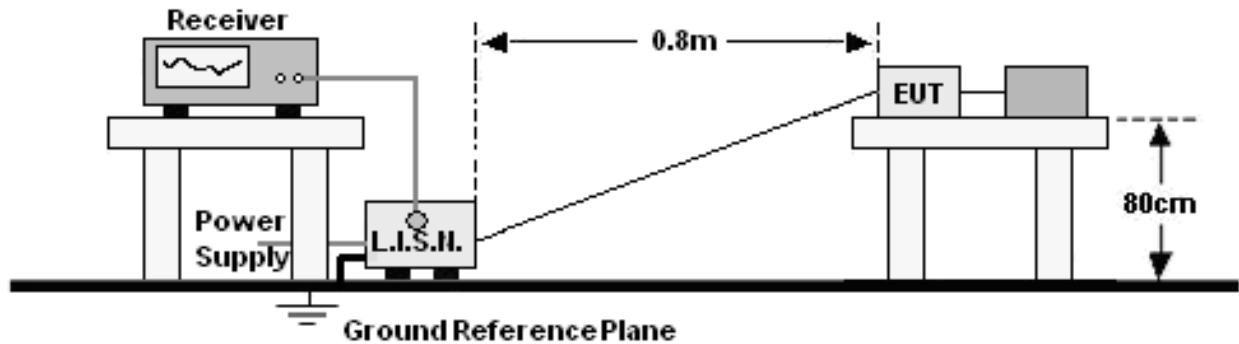
Conducted emissions Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Receiver	R&S	ESR3	102075	May 28, 2021	May 27, 2022
LISN	R&S	ENV216	101375	May 28, 2021	May 27, 2022
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\
Attenuator	\	10dB DC-6GHz	1650	May 28, 2021	May 27, 2022

RF Conducted Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Power Metter	Keysight	E4419	\	May 28, 2021	May 27, 2022
Power Sensor (AV)	Keysight	E9300A	\	May 28, 2021	May 27, 2022
Signal Analyzer20kHz-26.5GHz	Keysight	N9020A	MY49100060	May 28, 2021	May 27, 2022
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	\	May 28, 2021	May 27, 2022

Radiated emissions Test (966 chamber)					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
966 chamber	ChengYu	966 Room	966	Jun. 06. 2020	Jun. 05, 2023
Receiver	R&S	ESR3	102075	May 28, 2021	May 27, 2022
Receiver	R&S	ESRP	101154	May 28, 2021	May 27, 2022
Amplifier	SKET	LAPA_01G18 G-45dB	\	May 28, 2021	May 27, 2022
Amplifier	Schwarzbeck	BBV9744	9744-0037	May 28, 2021	May 27, 2022
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	942	Jun. 01, 2021	May 31, 2022
Horn Antenna	Schwarzbeck	BBHA9120D	1541	Jun. 02, 2021	Jun. 01, 2022
Horn Antenn(18GHz -40GHz)	Schwarzbeck	BBHA9170	00822	Jun. 15, 2021	Jun. 14, 2022
Amplifier(18G Hz-40GHz)	MITEQ	TTA1840-35- HG	2034381	May 28, 2021	May 27, 2022
Loop Antenna(9kHz -30MHz)	Schwarzbeck	FMZB1519B	00014	Jun. 02, 2021	Jun. 01, 2022
RF cables1(9kHz- 30MHz)	Huber+Suhnar	9kHz-30MHz	B1702988-00 08	May 28, 2021	May 27, 2022
RF cables2(30MH z-1GHz)	Huber+Suhnar	30MHz-1GH z	1486150	May 28, 2021	May 27, 2022
RF cables3(1GHz- 40GHz)	Huber+Suhnar	1GHz-40GHz	1607106	May 28, 2021	May 27, 2022
Power Metter	Keysight	E4419	\	May 28, 2021	May 27, 2022
Power Sensor (AV)	Keysight	E9300A	\	May 28, 2021	May 27, 2022
Signal Analyzer20kHz -26.5GHz	Keysight	N9020A	MY49100060	May 28, 2021	May 27, 2022
Spectrum Analyzer9kHz- 40GHz	R&S	FSP40	\	May 28, 2021	May 27, 2022
Software	Frad	EZ-EMC	FA-03A2 RE	\	\

6. Conducted Emissions

6.1 Block Diagram Of Test Setup



6.2 Limit

FREQUENCY (MHz)	Limit (dBuV)	
	Quas-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Notes:

- *Decreasing linearly with logarithm of frequency.
- The lower limit shall apply at the transition frequencies.

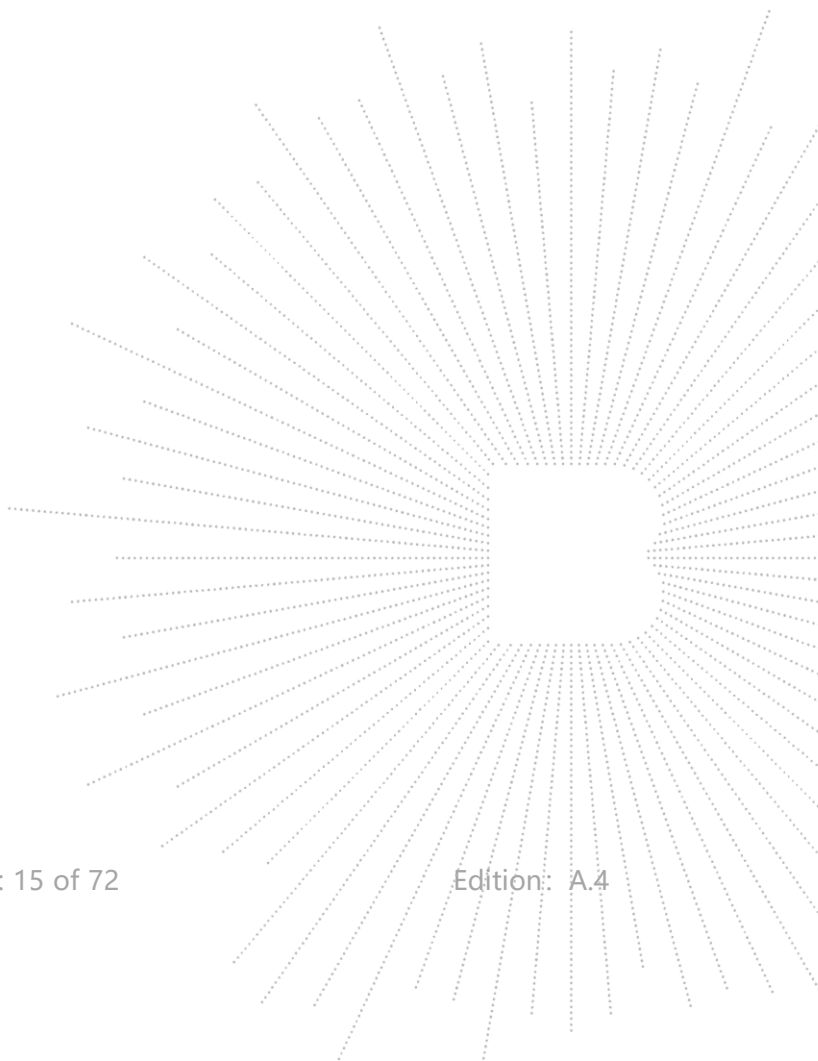
6.3 Test Procedure

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

- The Product was placed on a nonconductive table 0.8 m 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.

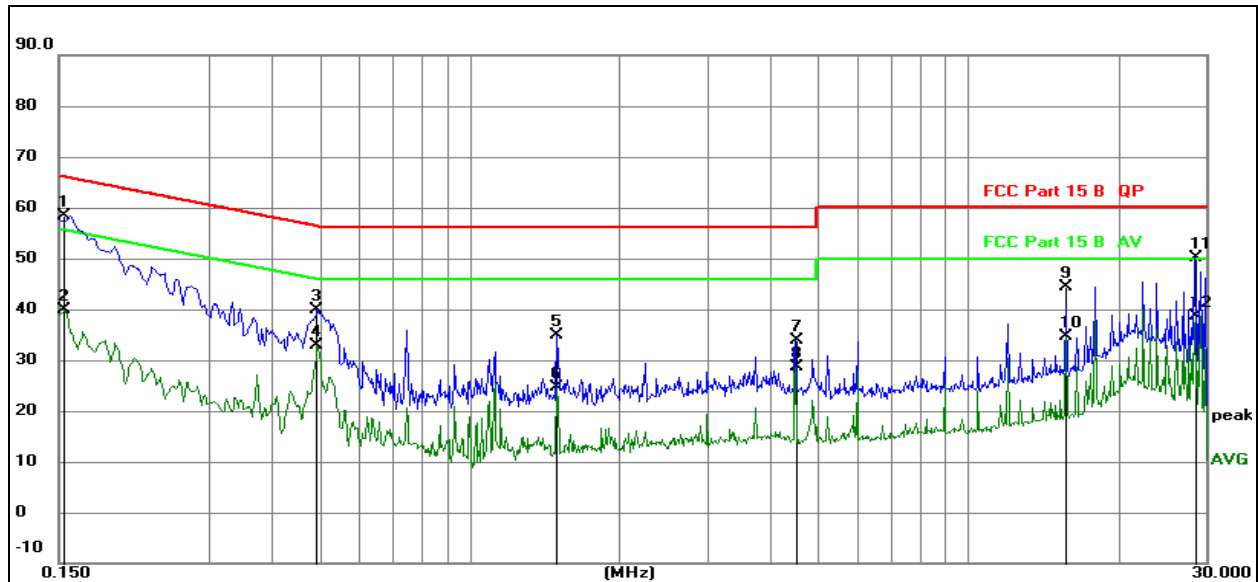
6.4 EUT Operating Conditions

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.



6.5 Test Result

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101kPa	Phase :	Line
Test Voltage :	AC120/60Hz	Test Mode:	Mode 4

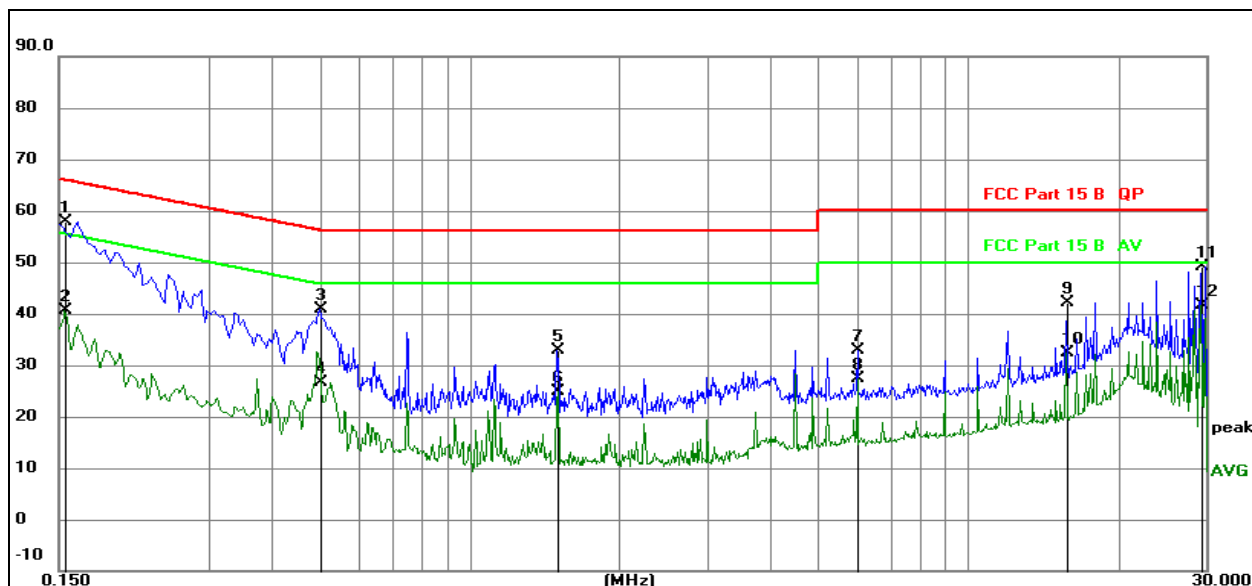


Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over= Measurement-Limit

No. Mk.	Freq. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1 *	0.1539	38.89	19.60	58.49	65.79	-7.30	QP
2	0.1539	20.39	19.60	39.99	55.79	-15.80	AVG
3	0.4941	20.34	19.61	39.95	56.10	-16.15	QP
4	0.4941	13.22	19.61	32.83	46.10	-13.27	AVG
5	1.4953	15.16	19.62	34.78	56.00	-21.22	QP
6	1.4953	4.99	19.62	24.61	46.00	-21.39	AVG
7	4.5015	14.14	19.69	33.83	56.00	-22.17	QP
8	4.5015	8.91	19.69	28.60	46.00	-17.40	AVG
9	15.7179	24.65	19.77	44.42	60.00	-15.58	QP
10	15.7179	14.74	19.77	34.51	50.00	-15.49	AVG
11	28.4519	30.42	19.72	50.14	60.00	-9.86	QP
12	28.4519	18.88	19.72	38.60	50.00	-11.40	AVG

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101kPa	Phase :	Neutral
Test Voltage :	AC120/60Hz	Test Mode:	Mode 4


Remark:

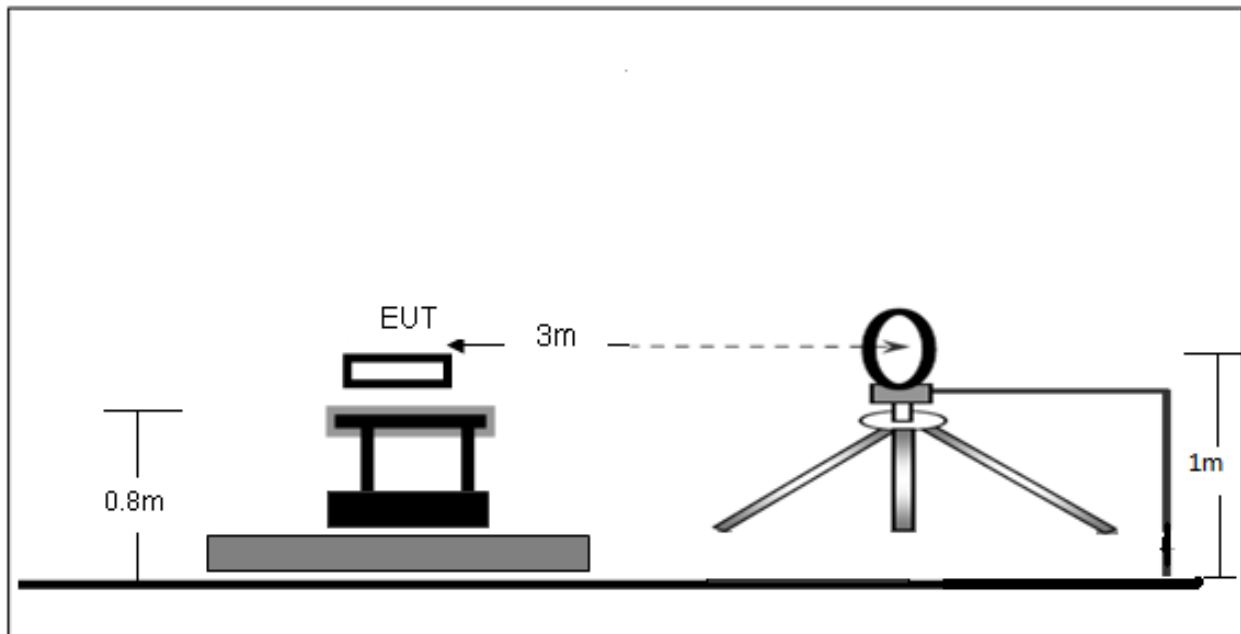
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over= Measurement-Limit

No.	Mk.	Freq. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1545	38.23	19.60	57.83	65.75	-7.92	QP
2		0.1545	21.14	19.60	40.74	55.75	-15.01	AVG
3		0.5010	21.16	19.61	40.77	56.00	-15.23	QP
4		0.5010	7.04	19.61	26.65	46.00	-19.35	AVG
5		1.4955	13.18	19.62	32.80	56.00	-23.20	QP
6		1.4955	5.17	19.62	24.79	46.00	-21.21	AVG
7		6.0045	13.05	19.71	32.76	60.00	-27.24	QP
8		6.0045	7.70	19.71	27.41	50.00	-22.59	AVG
9		15.7515	22.48	19.77	42.25	60.00	-17.75	QP
10		15.7515	12.50	19.77	32.27	50.00	-17.73	AVG
11		29.2515	29.41	19.72	49.13	60.00	-10.87	QP
12		29.2515	21.98	19.72	41.70	50.00	-8.30	AVG

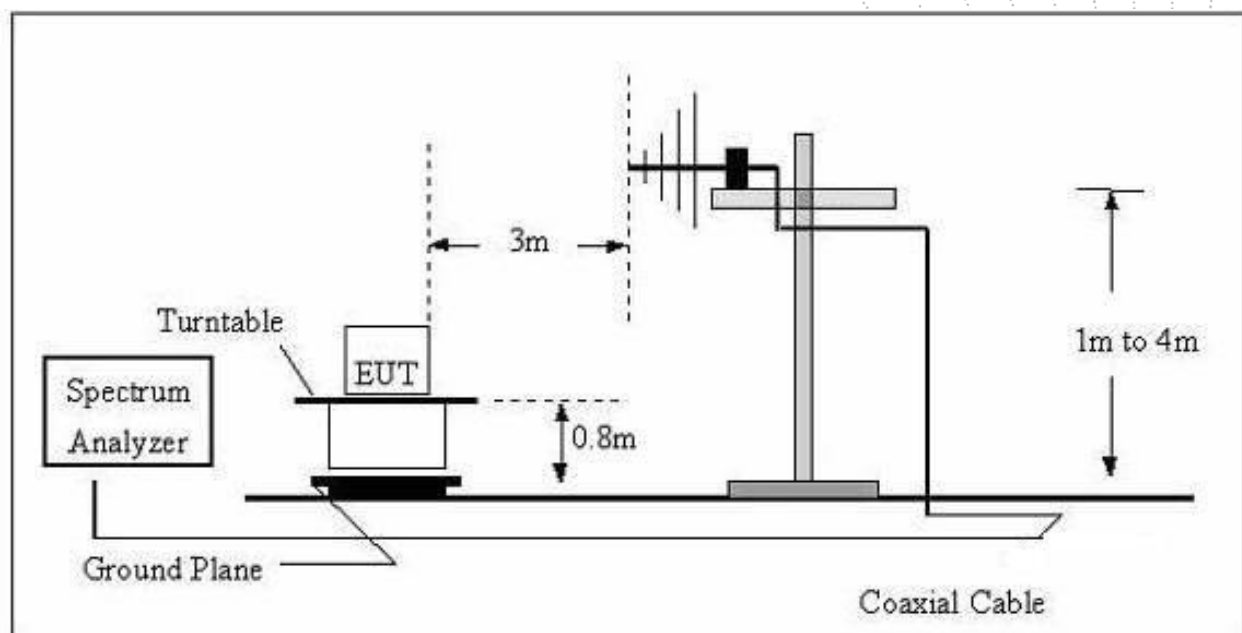
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

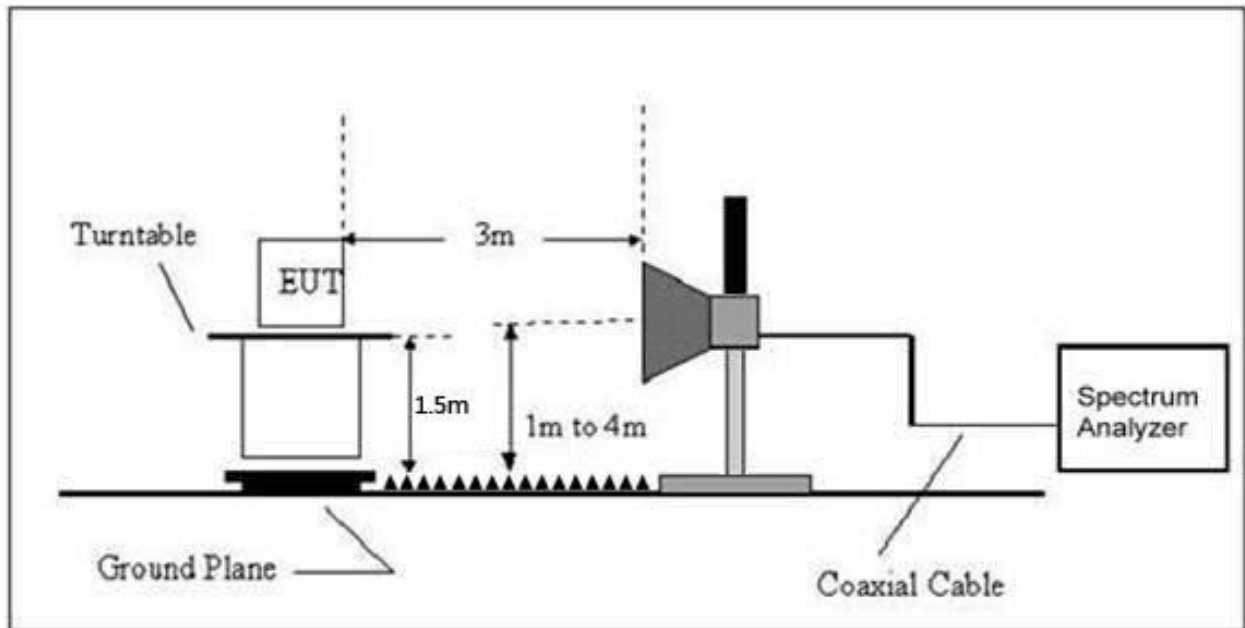
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



7.2 Limit

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed:

Frequency (MHz)	Field Strength uV/m	Distance (m)	Field Strength Limit at 3m Distance	
			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	$20\log(500)$

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Limit (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

- (1)The limit for radiated test was performed according to FCC PART 15C.
- (2)The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5 th harmonic of the highest frequency or 40 GHz, whichever is lower

7.3 Test Procedure

Receiver Parameter	Setting
Attenuation	Auto
9kHz~150kHz	RBW 200Hz for QP
150kHz~30MHz	RBW 9kHz for QP
30MHz~1000MHz	RBW 120kHz for QP

Spectrum Parameter	Setting
1-25GHz	RBW 1 MHz /VBW 1 MHz for Peak, RBW 1 MHz / VBW 10Hz for Average

Below 1GHz test procedure as below:

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Above 1GHz test procedure as below:

g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 metre to 1.5 metre(Above 18GHz the distance is 1 meter and table is 1.5 metre).

h. Test the EUT in the lowest channel ,the middle channel ,the Highest channel.

Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

Above 1GHz test procedure as below:

a. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

g. Test the EUT in the lowest channel, the Highest channel.

Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

7.4 EUT Operating Conditions

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

7.5 Test Result

Below 30MHz

Temperature:	26℃	Relative Humidity:	24%
Pressure:	101 kPa	Test Voltage :	AC120V/60Hz
Test Mode :	Mode 4	Polarization :	--

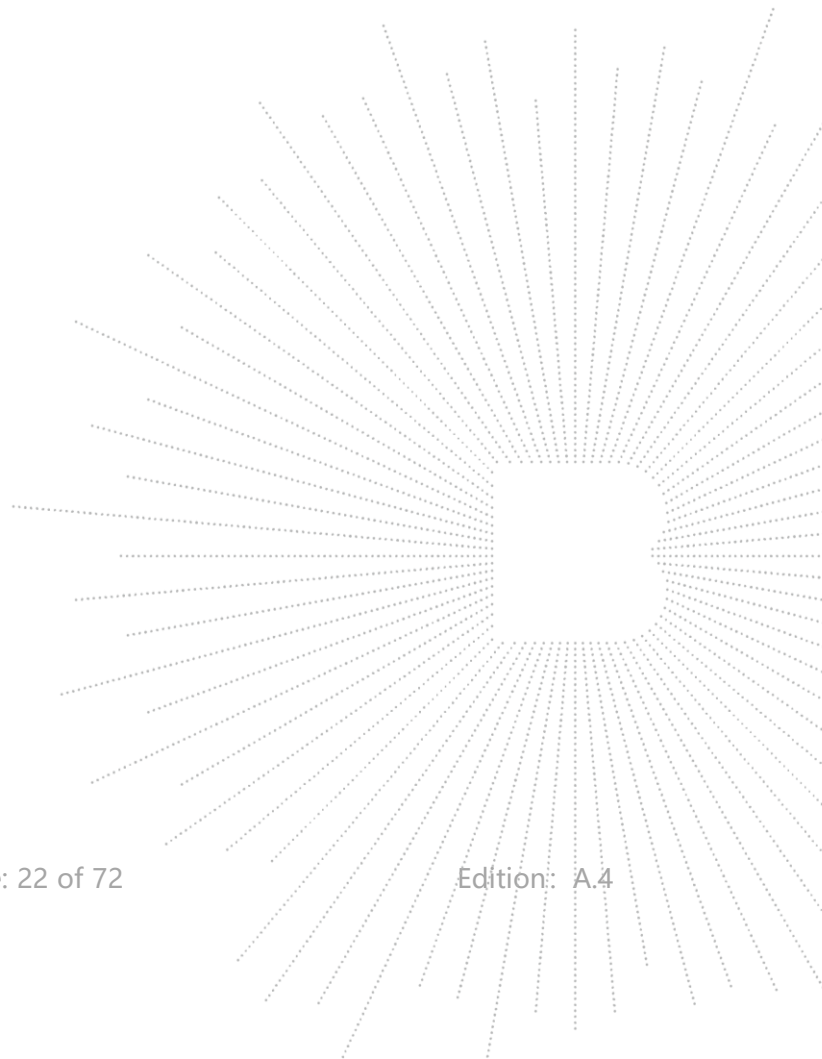
Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
--	--	--	--	PASS
--	--	--	--	PASS

Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

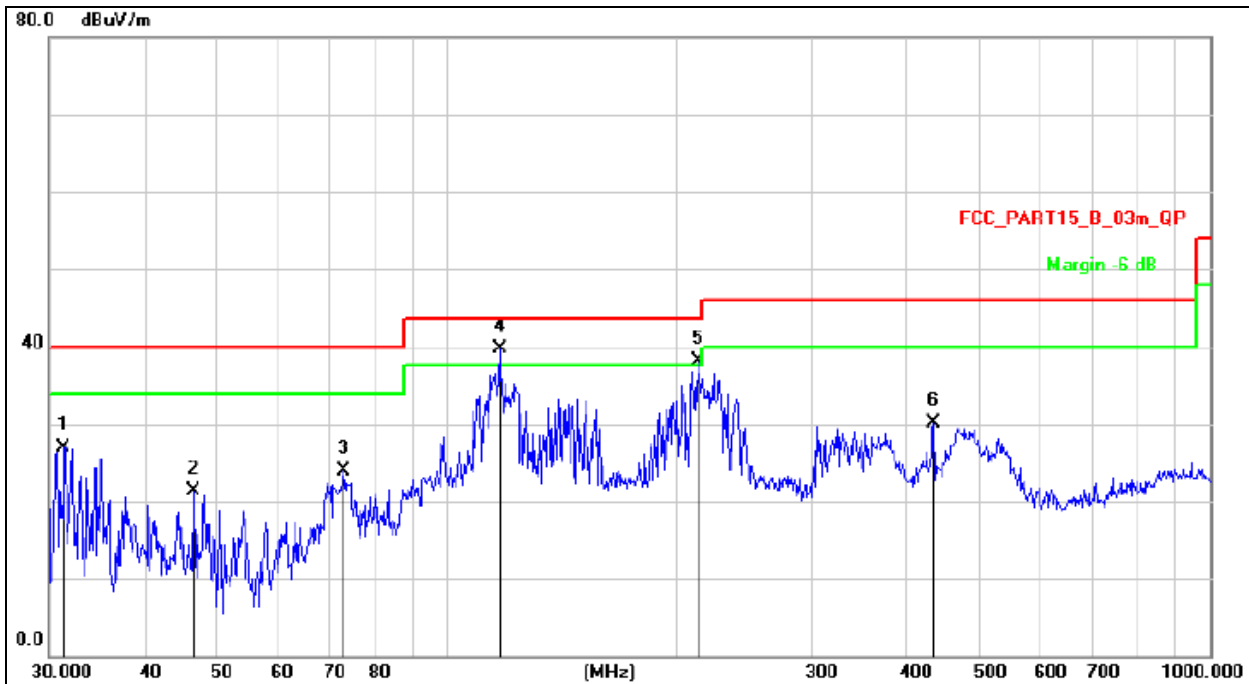
Distance extrapolation factor = $40 \log (\text{specific distance/test distance})$ (dB);

Limit line = specific limits(dBuv) + distance extrapolation factor.



Between 30MHz – 1GHz

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Test Voltage :	AC 120V/60Hz
Test Mode :	Mode 4	Polarization :	Horizontal



Remark:

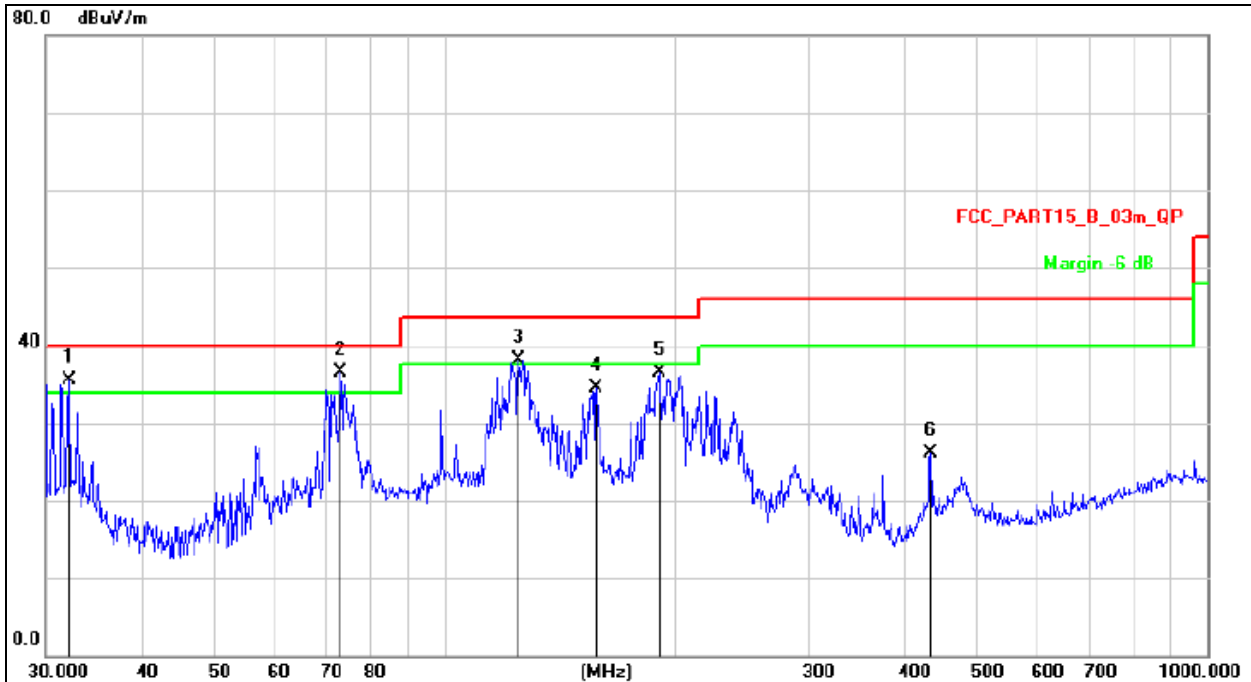
1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

2. Measurement = Reading Level + Correct Factor

3. Over = Measurement - Limit

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		31.3992	45.16	-18.23	26.93	40.00	-13.07	QP
2		46.5030	37.25	-15.94	21.31	40.00	-18.69	QP
3		73.1025	43.21	-19.25	23.96	40.00	-16.04	QP
4	*	116.9495	56.94	-17.27	39.67	43.50	-3.83	QP
5	!	213.0149	53.31	-15.24	38.07	43.50	-5.43	QP
6		434.0649	40.17	-9.98	30.19	46.00	-15.81	QP

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kpa	Test Voltage :	AC 120V/60Hz
Test Mode :	Mode 4	Polarization :	Vertical



Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor
3. Over= Measurement-Limit

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1	!	32.1794	53.58	-18.11	35.47	40.00	-4.53	QP
2	*	73.1025	55.73	-19.25	36.48	40.00	-3.52	QP
3	!	125.0066	55.89	-17.81	38.08	43.50	-5.42	QP
4		158.1123	53.28	-18.83	34.45	43.50	-9.05	QP
5		191.0738	52.60	-16.17	36.43	43.50	-7.07	QP
6		434.0649	36.16	-9.98	26.18	46.00	-19.82	QP

Between 1GHz – 25GHz
802.11b

Polar (H/V)	Frequency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low channel:2412MHz							
V	4824.00	54.28	-0.43	53.85	74.00	-20.15	PK
V	4824.00	46.26	-0.43	45.83	54.00	-8.17	AV
V	7236.00	46.13	8.31	54.44	74.00	-19.56	PK
V	7236.00	36.12	8.31	44.43	54.00	-9.57	AV
H	4824.00	50.16	-0.43	49.73	74.00	-24.27	PK
H	4824.00	39.42	-0.43	38.99	54.00	-15.01	AV
H	7236.00	43.73	8.31	52.04	74.00	-21.96	PK
H	7236.00	35.56	8.31	43.87	54.00	-10.13	AV
Middle channel:2437MHz							
V	4874.00	52.16	-0.38	51.78	74.00	-22.22	PK
V	4874.00	45.35	-0.38	44.97	54.00	-9.03	AV
V	7311.00	44.31	8.83	53.14	74.00	-20.86	PK
V	7311.00	35.60	8.83	44.43	54.00	-9.57	AV
H	4874.00	49.60	-0.38	49.22	74.00	-24.78	PK
H	4874.00	39.56	-0.38	39.18	54.00	-14.82	AV
H	7311.00	41.56	8.83	50.39	74.00	-23.61	PK
H	7311.00	33.59	8.83	42.42	54.00	-11.58	AV
High channel:2462MHz							
V	4924.00	53.28	-0.32	52.96	74.00	-21.04	PK
V	4924.00	43.95	-0.32	43.63	54.00	-10.37	AV
V	7386.00	44.89	9.35	54.24	74.00	-19.76	PK
V	7386.00	34.12	9.35	43.47	54.00	-10.53	AV
H	4924.00	51.46	-0.32	51.14	74.00	-22.86	PK
H	4924.00	40.79	-0.32	40.47	54.00	-13.53	AV
H	7386.00	43.82	9.35	53.17	74.00	-20.83	PK
H	7386.00	35.44	9.35	44.79	54.00	-9.21	AV

Remark:

1.Emission Level = Meter Reading + Factor,

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Over= Emission Level - Limit

2.If peak below the average limit, the average emission was no test.

3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB

4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

5.All the Modulation are test, the worst mode is 802.11b, the data recording in the report.

802.11g

Polar (H/V)	Frequency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low channel:2412MHz							
V	4824.00	54.17	-0.43	53.74	74.00	-20.26	PK
V	4824.00	44.79	-0.43	44.36	54.00	-9.64	AV
V	7236.00	44.67	8.31	52.98	74.00	-21.02	PK
V	7236.00	35.65	8.31	43.96	54.00	-10.04	AV
H	4824.00	51.39	-0.43	50.96	74.00	-23.04	PK
H	4824.00	40.87	-0.43	40.44	54.00	-13.56	AV
H	7236.00	42.87	8.31	51.18	74.00	-22.82	PK
H	7236.00	34.58	8.31	42.89	54.00	-11.11	AV
Middle channel:2437MHz							
V	4874.00	52.37	-0.38	51.99	74.00	-22.01	PK
V	4874.00	46.35	-0.38	45.97	54.00	-8.03	AV
V	7311.00	43.89	8.83	52.72	74.00	-21.28	PK
V	7311.00	34.09	8.83	42.92	54.00	-11.08	AV
H	4874.00	48.54	-0.38	48.16	74.00	-25.84	PK
H	4874.00	37.65	-0.38	37.27	54.00	-16.73	AV
H	7311.00	42.27	8.83	51.10	74.00	-22.90	PK
H	7311.00	33.70	8.83	42.53	54.00	-11.47	AV
High channel:2462MHz							
V	4924.00	53.71	-0.32	53.39	74.00	-20.61	PK
V	4924.00	44.91	-0.32	44.59	54.00	-9.41	AV
V	7386.00	46.39	9.35	55.74	74.00	-18.26	PK
V	7386.00	36.71	9.35	46.06	54.00	-7.94	AV
H	4924.00	51.89	-0.32	51.57	74.00	-22.43	PK
H	4924.00	41.18	-0.32	40.86	54.00	-13.14	AV
H	7386.00	43.48	9.35	52.83	74.00	-21.17	PK
H	7386.00	35.21	9.35	44.56	54.00	-9.44	AV

Remark:

1.Emission Level = Meter Reading + Factor,
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
Over= Emission Level - Limit

2.If peak below the average limit, the average emission was no test.

3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB

4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

5.All the Modulation are test, the worst mode is 802.11b, the data recording in the report.

802.11n20

Polar (H/V)	Frequency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low channel:2412MHz							
V	4824.00	52.56	-0.43	52.13	74.00	-21.87	PK
V	4824.00	43.90	-0.43	43.47	54.00	-10.53	AV
V	7236.00	42.98	8.31	51.29	74.00	-22.71	PK
V	7236.00	32.54	8.31	40.85	54.00	-13.15	AV
H	4824.00	49.71	-0.43	49.28	74.00	-24.72	PK
H	4824.00	38.98	-0.43	38.55	54.00	-15.45	AV
H	7236.00	41.76	8.31	50.07	74.00	-23.93	PK
H	7236.00	34.17	8.31	42.48	54.00	-11.52	AV
Middle channel:2437MHz							
V	4874.00	49.58	-0.38	49.20	74.00	-24.80	PK
V	4874.00	42.32	-0.38	41.94	54.00	-12.06	AV
V	7311.00	39.95	8.83	48.78	74.00	-25.22	PK
V	7311.00	31.88	8.83	40.71	54.00	-13.29	AV
H	4874.00	45.15	-0.38	44.77	74.00	-29.23	PK
H	4874.00	35.59	-0.38	35.21	54.00	-18.79	AV
H	7311.00	38.90	8.83	47.73	74.00	-26.27	PK
H	7311.00	30.20	8.83	39.03	54.00	-14.97	AV
High channel:2462MHz							
V	4924.00	50.66	-0.32	50.34	74.00	-23.66	PK
V	4924.00	41.26	-0.32	40.94	54.00	-13.06	AV
V	7386.00	44.35	9.35	53.70	74.00	-20.30	PK
V	7386.00	33.91	9.35	43.26	54.00	-10.74	AV
H	4924.00	48.34	-0.32	48.02	74.00	-25.98	PK
H	4924.00	37.90	-0.32	37.58	54.00	-16.42	AV
H	7386.00	42.06	9.35	51.41	74.00	-22.59	PK
H	7386.00	34.49	9.35	43.84	54.00	-10.16	AV

Remark:

- 1.Emission Level = Meter Reading + Factor,
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
- Over= Emission Level - Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
- 5.All the Modulation are test, the worst mode is 802.11b, the data recording in the report.