



TEST REPORT

FCC ID:2AJDDIDIAGSHDS1

Report Number..... : ZKT-241126L16653E-1

Date of Test..... Nov. 21, 2024~Dec. 06, 2024

Date of issue..... : Dec. 09, 2024

Total number of pages..... 42

Test Result..... : PASS

Testing Laboratory..... : Shenzhen ZKT Technology Co., Ltd.

Address : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name : SHENZHEN FCAR TECHNOLOGY CO.,LTD

Address : 8th floor, Chuangyi Building, No. 3025 Nanhai Ave., Nanshan, Shenzhen, Guangdong, China 518060

Manufacturer's name : SHENZHEN FCAR TECHNOLOGY CO.,LTD

Address : 8th floor, Chuangyi Building, No. 3025 Nanhai Ave., Nanshan, Shenzhen, Guangdong, China 518060

Test specification:

Standard..... : FCC CFR Title 47 Part 15 Subpart C Section 15.247
ANSI C63.10:2013

Test procedure..... : /

Non-standard test method : N/A

Test Report Form No..... : TRF-EL-110_V0

Test Report Form(s) Originator..... : ZKT Testing

Master TRF : Dated: 2020-01-06

This device described above has been tested by ZKT, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Product name..... : Auto Diagnostic Tool

Trademark : _



Model/Type reference..... : HDS600, HDS610, HDS620, HDS630, HDS640, HDS650, HDS670, HDS680, HDS690, HDS700, HDS710, HDS720, HDS730, HDS740, HDS750, HDS760, HDS770, HDS780, HDS790, F606, F608, F610, HDS800, HDS810, HDS820, HDS830, HDS840, HDS850, HDS860, HDS870, HDS880, HDS890, HDS900, HDS910, HDS920, HDS930, HDS940, HDS950, HDS960, HDS970, HDS980, HDS990, F801, F802, F803, F804, F805, F806, F807, F808, F809, F901, F902, F903, F904, F905, F906, F907, F908, F909, F801 Pro, F802 Pro, F803 Pro, F804 Pro, F805 Pro, F806 Pro, F807 Pro, F808 Pro, F809 Pro, F901 Pro, F902 Pro, F903 Pro, F904 Pro, F905 Pro, F906 Pro, F907 Pro, F908 Pro, F909 Pro, F801 Lite, F801 Plus, F801 Prime, F801 Elite, F801 Max, F801 Ultra, F801 Premium, F801 Ultimate, F802 Lite, F802 Plus, F802 Prime, F802 Elite, F802 Max, F802 Ultra, F802 Premium, F802 Ultimate, F803 Lite, F803 Plus, F803 Prime, F803 Elite, F803 Max, F803 Ultra, F803 Premium, F803 Ultimate, F804 Lite, F804 Plus, F804 Prime, F804 Elite, F804 Max, F804 Ultra, F804 Premium, F804 Ultimate, F805 Lite, F805 Plus, F805 Prime, F805 Elite, F805 Max, F805 Ultra, F805 Premium, F805 Ultimate, F806 Lite, F806 Plus, F806 Prime, F806 Elite, F806 Max, F806 Ultra, F806 Premium, F806 Ultimate

Adapter information

Ratings..... : Model No.: GME24A-120200FXR
Input: AC 100-240V, 50-60Hz, 0.8A
Output: DC 12.0V, 2.0A, 24.0W



Testing procedure and testing location:

Testing Laboratory.....: Shenzhen ZKT Technology Co., Ltd.

**Address.....: 1/F, No. 101, Building B, No. 6, Tangwei Community
Industrial Avenue, Fuhai Street, Bao'an District,
Shenzhen, China**

Tested by (name + signature).....: Jim Liu

Reviewer (name + signature).....: Jackson Fang

Approved (name + signature).....: Lake Xie





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1. VERSION

Report No.	Version	Description	Approved
GTSL202206000219F02	Rev.01	Initial issue of report	June. 29, 2022
ZKT-241126L16653E-1	Rev.02	Changed antenna gain and antenna position, product appearance color and size, shell material, Printer part circuit are different. Class II permissive change.	Dec. 09, 2024



2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

Standard Section	Test Item	Result
FCC part 15.247(d)	Band Edge	PASS
FCC part 15.205/15.209	Spurious Emission	PASS
FCC part 15.203/15.247(c)	Antenna requirement	PASS
FCC part 15.207	AC Power Line Conducted Emission	PASS

2.1 TEST FACILITY

Shenzhen ZKT Technology Co., Ltd.

Add. : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

FCC Test Firm Registration Number: 692225

Designation Number: CN1299

IC Registered No.: 27033

CAB identifier: CN0110

2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$ · where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$ · providing a level of confidence of approximately 95 % .

No.	Item	Uncertainty
1	3m chamber Radiated spurious emission(9KHz-30MHz)	U=4.5dB
2	3m chamber Radiated spurious emission(30MHz-1GHz)	U=4.8dB
3	3m chamber Radiated spurious emission(1GHz-6GHz)	U=4.9dB
4	3m chamber Radiated spurious emission(6GHz-40GHz)	U=5.0dB
5	Conducted disturbance	U=3.2dB
6	RF Band Edge	U=1.68dB
7	RF power conducted	U=1.86dB
8	RF conducted Spurious Emission	U=2.2dB
9	RF Occupied Bandwidth	U=1.8dB
10	RF Power Spectral Density	U=1.75dB
11	humidity uncertainty	U=5.3%
12	Temperature uncertainty	U=0.59°C



3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Product Name:	Auto Diagnostic Tool
Model No.:	HDS600, HDS610, HDS620, HDS630, HDS640, HDS650, HDS670, HDS680, HDS690, HDS700, HDS710, HDS720, HDS730, HDS740, HDS750, HDS760, HDS770, HDS780, HDS790, F606, F608, F610, HDS800, HDS810, HDS820, HDS830, HDS840, HDS850, HDS860, HDS870, HDS880, HDS890, HDS900, HDS910, HDS920, HDS930, HDS940, HDS950, HDS960, HDS970, HDS980, HDS990, F801, F802, F803, F804, F805, F806, F807, F808, F809, F901, F902, F903, F904, F905, F906, F907, F908, F909, F801 Pro, F802 Pro, F803 Pro, F804 Pro, F805 Pro, F806 Pro, F807 Pro, F808 Pro, F809 Pro, F901 Pro, F902 Pro, F903 Pro, F904 Pro, F905 Pro, F906 Pro, F907 Pro, F908 Pro, F909 Pro, F801 Lite, F801 Plus, F801 Prime, F801 Elite, F801 Max, F801 Ultra, F801 Premium, F801 Ultimate, F802 Lite, F802 Plus, F802 Prime, F802 Elite, F802 Max, F802 Ultra, F802 Premium, F802 Ultimate, F803 Lite, F803 Plus, F803 Prime, F803 Elite, F803 Max, F803 Ultra, F803 Premium, F803 Ultimate, F804 Lite, F804 Plus, F804 Prime, F804 Elite, F804 Max, F804 Ultra, F804 Premium, F804 Ultimate, F805 Lite, F805 Plus, F805 Prime, F805 Elite, F805 Max, F805 Ultra, F805 Premium, F805 Ultimate, F806 Lite, F806 Plus, F806 Prime, F806 Elite, F806 Max, F806 Ultra, F806 Premium, F806 Ultimate
Model Different.:	The differences are appearance color and size, print port, model name and shell material for commercial purpose. The RF circuit is the same, the difference is that the circuit board of the printer part does not affect the RF test.
Hardware Version:	V1.1
Software Version:	V1.2.0
Test sample(s) ID:	ZKT-241126L16653-1
Channel numbers:	802.11b/802.11g /802.11n(HT20):11
Channel separation:	5MHz
Modulation technology:	802.11b: Direct Sequence Spread Spectrum(DSSS) 802.11g/802.11n(H20): Orthogonal Frequency Division Multiplexing(OFDM)
Antenna Type:	FPC antenna
Antenna gain:	1.8 dBi
Power supply:	Adapter Model No.: GME24A-120200FXR Input: AC 100-240V, 50-60Hz, 0.8A Output: DC 12.0V, 2.0A, 24.0W



Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Test channel	Frequency (MHz)
	802.11b/802.11g/802.11n(HT20)
Lowest channel	2412MHz
Middle channel	2437MHz
Highest channel	2462MHz

3.2 DESCRIPTION OF TEST MODES

Transmitting mode	Keep the EUT in continuously transmitting mode
Remark: During the test, the duty cycle >98%, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.	

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:			
Pre-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.			
	802.11b	802.11g	802.11n(HT20)
	1Mbps	6Mbps	6.5Mbps

Test Software	-
Power level setup	Default



3.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Conducted Emission



Radiated Emission



3.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	<i>Auto Diagnostic Tool</i>	-	<i>HDS600</i>	N/A	EUT
E-2	Adapter		GME24A-120200FXR	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	Note

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.



3.5EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Item	Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Last calibration	Calibrated until
1	Spectrum Analyzer (9kHz-26.5GHz)	KEYSIGHT	9020A	MY55370835	A.17.05	Nov. 02, 2024	Nov. 01, 2025
2	Spectrum Analyzer (10kHz-39.9GHz)	R&S	FSV40-N	100363	1.71 SP2	Nov. 02, 2024	Nov. 01, 2025
3	EMI Test Receiver (9kHz-7GHz)	R&S	ESCI7	100969	4.32	Nov. 02, 2024	Nov. 01, 2025
4	Bilog Antenna (30MHz-1500MHz)	Schwarzbeck	VULB9168	N/A	N/A	Nov. 13, 2024	Nov. 12, 2025
5	Horn Antenna (1GHz-18GHz)	Agilent	AH-118	071145	N/A	Nov. 13, 2024	Nov. 12, 2025
6	Horn Antenna (15GHz-40GHz)	A.H.System	SAS-574	588	N/A	Nov. 13, 2024	Nov. 12, 2025
7	Loop Antenna	TESEQ	HLA6121	58357	N/A	Nov. 16, 2024	Nov. 15, 2025
8	Amplifier (30-1000MHz)	EM Electronics	EM330 Amplifier	60747	N/A	Nov. 02, 2024	Nov. 01, 2025
9	Amplifier (1GHz-26.5GHz)	HuiPu	8449B	3008A00315	N/A	Nov. 02, 2024	Nov. 01, 2025
10	Amplifier (500MHz-40GHz)	QuanJuDa	DLE-161	097	N/A	Nov. 02, 2024	Nov. 01, 2025
11	Test Cable	N/A	R-01	N/A	N/A	Nov. 02, 2024	Nov. 01, 2025
12	Test Cable	N/A	R-02	N/A	N/A	Nov. 02, 2024	Nov. 01, 2025
13	Test Cable	N/A	R-03	N/A	N/A	Nov. 02, 2024	Nov. 01, 2025
14	Test Cable	N/A	RF-01	N/A	N/A	Nov. 02, 2024	Nov. 01, 2025
15	Test Cable	N/A	RF-02	N/A	N/A	Nov. 02, 2024	Nov. 01, 2025
16	Test Cable	N/A	RF-03	N/A	N/A	Nov. 02, 2024	Nov. 01, 2025
17	ESG Signal Generator	Agilent	E4421B	N/A	B.03.84	Nov. 02, 2024	Nov. 01, 2025
18	Signal Generator	Agilent	N5182A	N/A	A.01.87	Nov. 02, 2024	Nov. 01, 2025
19	Magnetic Field Probe Tester	Narda	ELT-400	0-0344	N/A	Nov. 16, 2024	Nov. 15, 2025
20	Wideband Radio Communication Test	R&S	CMW500	106504	V 3.7.22	Nov. 02, 2024	Nov. 01, 2025
21	MWRF Power Meter Test system	MW	MW100-RF CB	N/A	N/A	Nov. 02, 2024	Nov. 01, 2025
22	D.C. Power Supply	LongWei	TPR-6405D	N/A	N/A	Nov. 02, 2024	Nov. 01, 2025
23	EMC Software	Frad	EZ-EMC	Ver.EMC-CO N 3A1.1	N/A	\	\
24	RF Software	MW	MTS8310	V2.0.0.0	N/A	\	\
25	Turntable	MF	MF-7802BS	N/A	N/A	\	\
26	Antenna tower	MF	MF-7802BS	N/A	N/A	\	\



Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Last calibration	Calibrated until
1	LISN	R&S	ENV216	101471	N/A	Nov. 14, 2024	Nov. 13, 2025
2	LISN	CYBERTEK	EM5040A	E1850400149	N/A	Nov. 02, 2024	Nov. 01, 2025
3	Test Cable	N/A	C-01	N/A	N/A	Nov. 02, 2024	Nov. 01, 2025
4	Test Cable	N/A	C-02	N/A	N/A	Nov. 02, 2024	Nov. 01, 2025
5	Test Cable	N/A	C-03	N/A	N/A	Nov. 02, 2024	Nov. 01, 2025
6	EMI Test Receiver	R&S	ESCI3	101393	4.42 SP3	Nov. 02, 2024	Nov. 01, 2025
7	Triple-Loop Antenna	N/A	RF300	N/A	N/A	Nov. 02, 2024	Nov. 01, 2025
8	Absorbing Clamp	DZ	ZN23201	15034	N/A	Nov. 07, 2024	Nov. 06, 2025
9	EMC Software	Frad	EZ-EMC	Ver.EMC-CON 3A1.1	N/A	\	\



4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

Test Requirement:	FCC Part15 C Section 15.207
Test Method:	ANSI C63.10:2013 & RSS-Gen
Test Frequency Range:	150KHz to 30MHz
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto

4.1.1 POWER LINE CONDUCTED EMISSION Limits

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

Note:

(1) *Decreases with the logarithm of the frequency.

4.1.2 TEST PROCEDURE

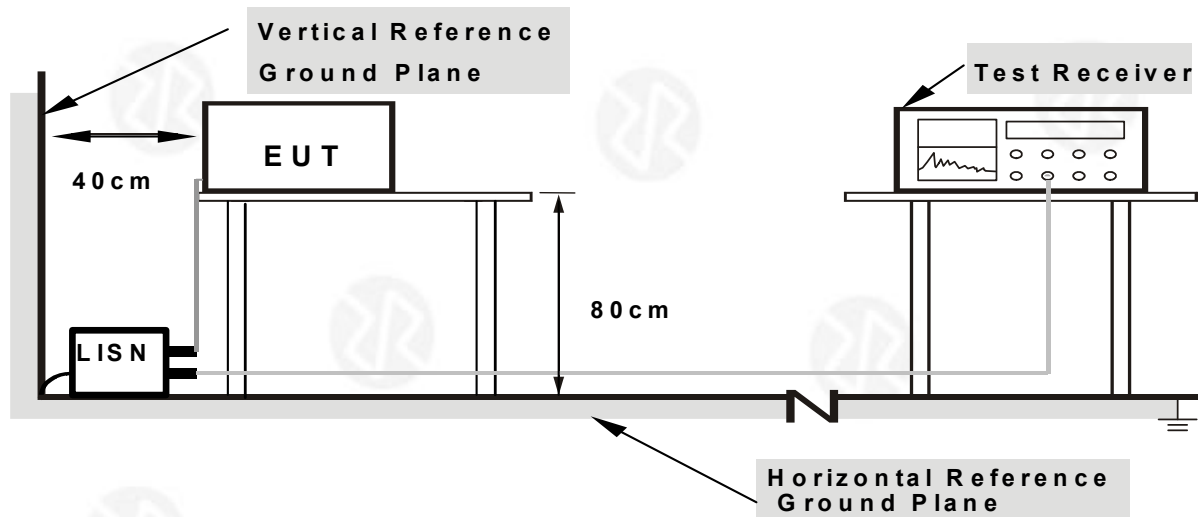
- The EUT was placed 0.1 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.3 DEVIATION FROM TEST STANDARD

No deviation



4.1.4 TEST SETUP



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

4.1.5 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.

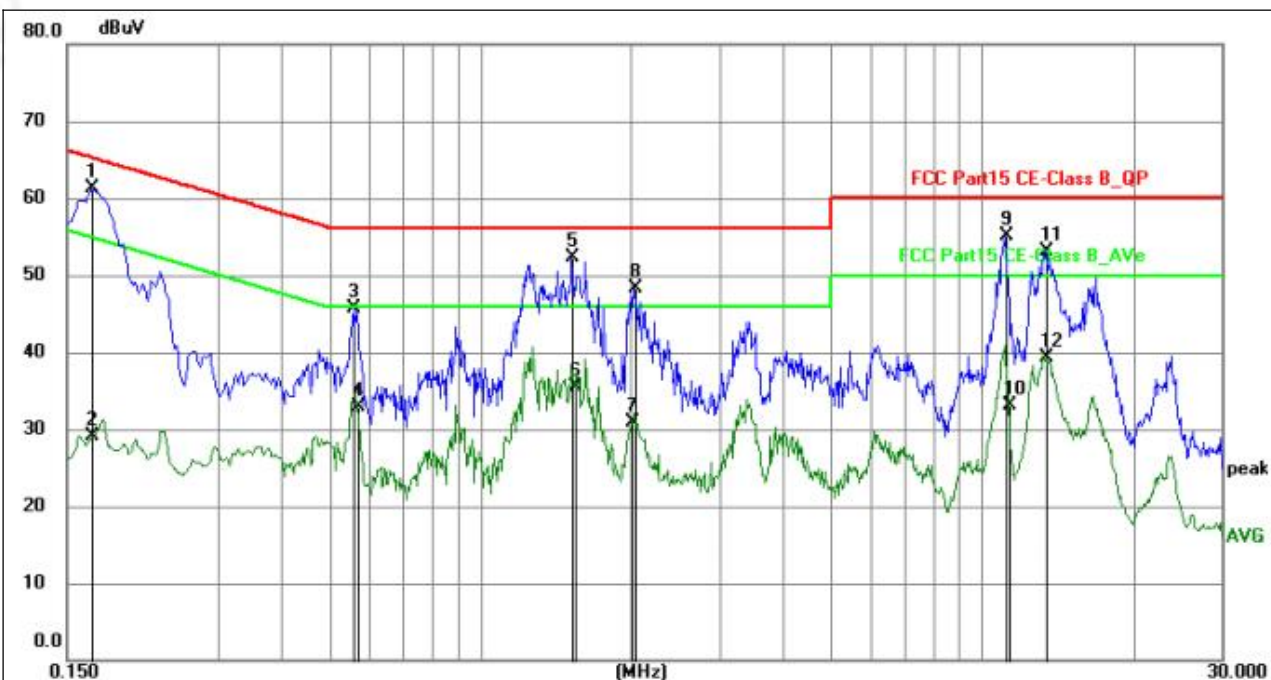
We pretest AC 120V and AC 230V, the worst voltage was AC 120V and the data recording in the report.



4.1.6 TEST RESULT

Temperature :	26℃	Relative Humidity:	54%
Pressure :	101kPa	Phase :	L
Test Voltage :	AC 120V/60Hz		

Test model :HDS600



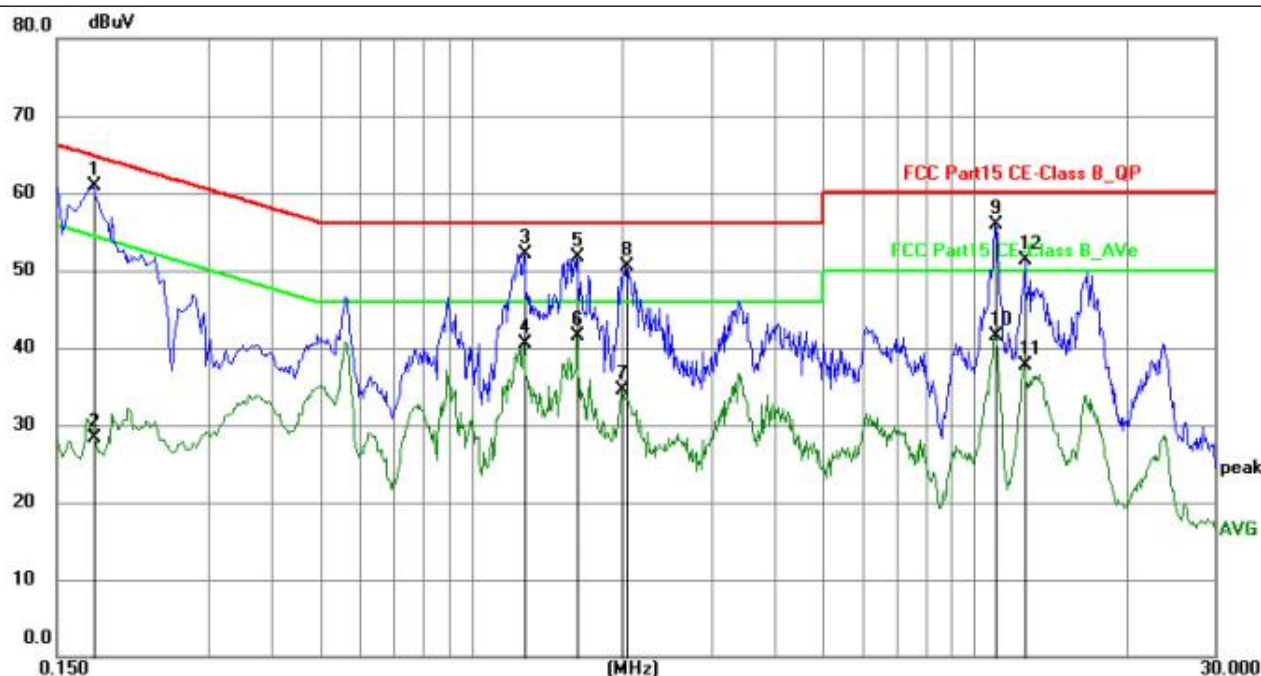
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1680	40.99	20.25	61.24	65.06	-3.82	QP	P
2	0.1685	8.76	20.25	29.01	55.03	-26.02	AVG	P
3	0.5594	25.40	20.29	45.69	56.00	-10.31	QP	P
4	0.5684	12.56	20.29	32.85	46.00	-13.15	AVG	P
5	1.5223	32.03	20.30	52.33	56.00	-3.67	QP	P
6	1.5359	15.22	20.30	35.52	46.00	-10.48	AVG	P
7	2.0083	10.50	20.31	30.81	46.00	-15.19	AVG	P
8	2.0264	28.02	20.31	48.33	56.00	-7.67	QP	P
9	11.1434	34.68	20.46	55.14	60.00	-4.86	QP	P
10	11.2605	12.62	20.46	33.08	50.00	-16.92	AVG	P
11	13.3484	32.71	20.47	53.18	60.00	-6.82	QP	P
12	13.4160	18.85	20.47	39.32	50.00	-10.68	AVG	P

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Measurement Level = Reading level + Correct Factor



Temperature :	26℃	Relative Humidity:	54%
Pressure :	101kPa	Phase :	N
Test Voltage :	AC 120V/60Hz		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1768	40.57	20.28	60.85	64.63	-3.78	QP	P
2	0.1785	7.92	20.29	28.21	54.56	-26.35	AVG	P
3	1.2703	31.78	20.31	52.09	56.00	-3.91	QP	P
4	1.2703	20.12	20.31	40.43	46.00	-5.57	AVG	P
5	1.6213	31.38	20.30	51.68	56.00	-4.32	QP	P
6	1.6213	21.19	20.30	41.49	46.00	-4.51	AVG	P
7	1.9858	14.12	20.31	34.43	46.00	-11.57	AVG	P
8	2.0307	30.14	20.31	50.45	56.00	-5.55	QP	P
9	11.0175	35.39	20.47	55.86	60.00	-4.14	QP	P
10	11.0175	21.01	20.47	41.48	50.00	-8.52	AVG	P
11	12.5745	17.29	20.48	37.77	50.00	-12.23	AVG	P
12	12.5879	30.86	20.48	51.34	60.00	-8.66	QP	P

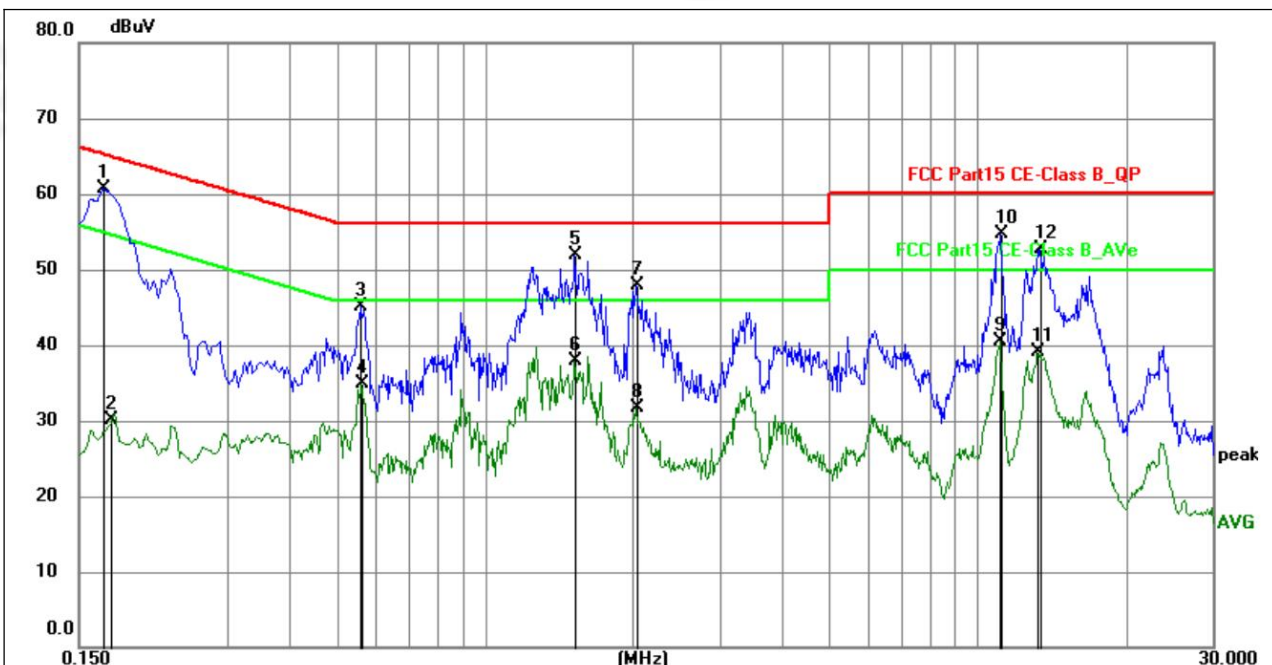
Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Measurement Level = Reading level + Correct Factor



Temperature :	26℃	Relative Humidity:	54%
Pressure :	101kPa	Phase :	L
Test Voltage :	AC 120V/60Hz		

Test model :F801



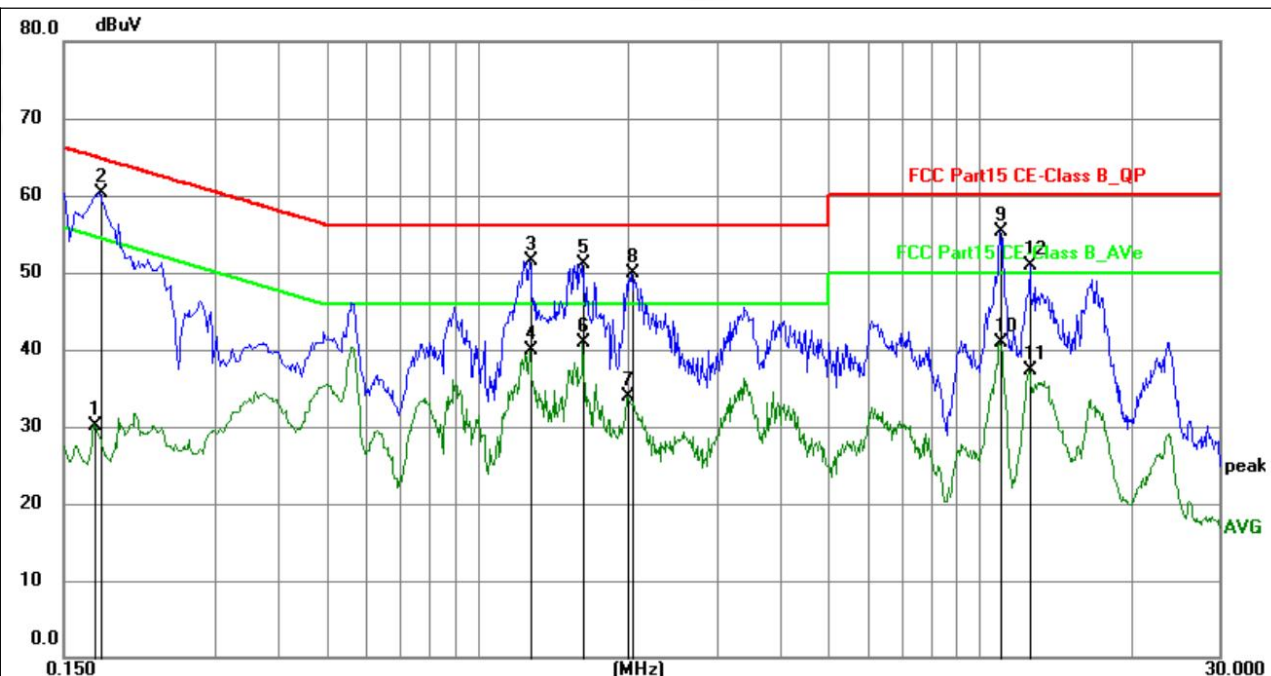
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1680	40.49	20.25	60.74	65.06	-4.32	QP	P
2	0.1748	9.81	20.28	30.09	54.73	-24.64	AVG	P
3	0.5594	24.90	20.29	45.19	56.00	-10.81	QP	P
4	0.5636	14.65	20.29	34.94	46.00	-11.06	AVG	P
5	1.5221	31.53	20.30	51.83	56.00	-4.17	QP	P
6	1.5221	17.64	20.30	37.94	46.00	-8.06	AVG	P
7	2.0264	27.52	20.31	47.83	56.00	-8.17	QP	P
8	2.0264	11.31	20.31	31.62	46.00	-14.38	AVG	P
9	11.1254	19.99	20.46	40.45	50.00	-9.55	AVG	P
10	11.1432	34.18	20.46	54.64	60.00	-5.36	QP	P
11	13.2225	18.55	20.47	39.02	50.00	-10.98	AVG	P
12	13.3483	32.21	20.47	52.68	60.00	-7.32	QP	P

Notes:

- 1.An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2.Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3.Measurement Level = Reading level + Correct Facto



Temperature :	26°C	Relative Humidity:	54%
Pressure :	101kPa	Phase :	N
Test Voltage :	AC 120V/60Hz		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1728	9.87	20.26	30.13	54.82	-24.69	AVG	P
2	0.1768	40.07	20.28	60.35	64.63	-4.28	QP	P
3	1.2701	31.28	20.31	51.59	56.00	-4.41	QP	P
4	1.2701	19.62	20.31	39.93	46.00	-6.07	AVG	P
5	1.6211	30.88	20.30	51.18	56.00	-4.82	QP	P
6	1.6211	20.69	20.30	40.99	46.00	-5.01	AVG	P
7	1.9858	13.62	20.31	33.93	46.00	-12.07	AVG	P
8	2.0307	29.64	20.31	49.95	56.00	-6.05	QP	P
9	11.0175	34.89	20.47	55.36	60.00	-4.64	QP	P
10	11.0175	20.51	20.47	40.98	50.00	-9.02	AVG	P
11	12.5745	16.79	20.48	37.27	50.00	-12.73	AVG	P
12	12.5877	30.36	20.48	50.84	60.00	-9.16	QP	P

Notes:

- 1.An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2.Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3.Measurement Level = Reading level + Correct Factor



4.2 RADIATED EMISSION MEASUREMENT

Test Requirement:	FCC Part15 C Section 15.209				
Test Method:	ANSI C63.10:2013				
Test Frequency Range:	9kHz to 25GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
	150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average

4.2.1 RADIATED EMISSION LIMITS

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT

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).

4.2.2 TEST PROCEDURE

Below 1GHz test procedure as below:

- a. The EUT was placed on the top of a rotating table 0.1 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 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 from above is the test site, change from Semi-Anechoic Chamber to fully Anechoic Chamber and change from table 0.8 meter to 1.5 meter (Above 18GHz the distance is 1 meter and table is 1.5 meter).
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel

Note:

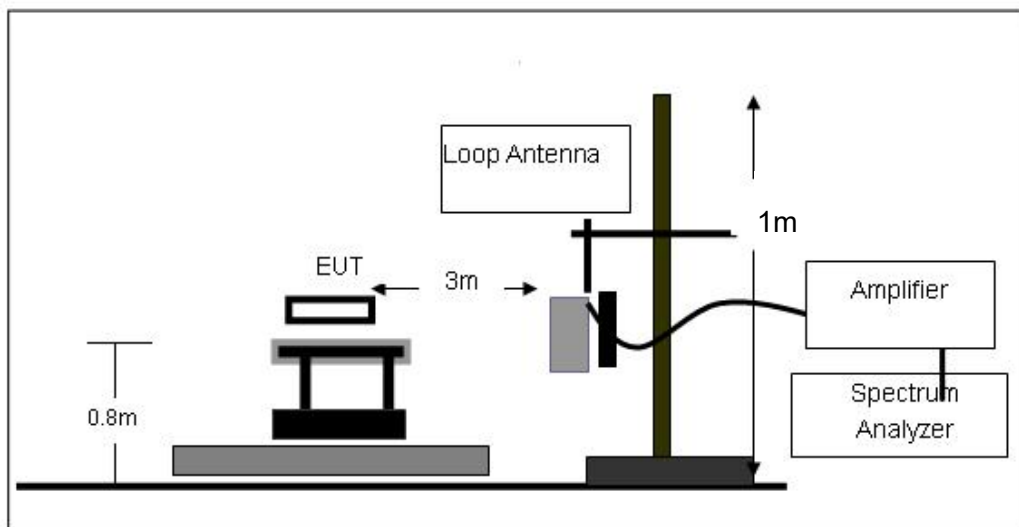
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

4.2.3 DEVIATION FROM TEST STANDARD

No deviation

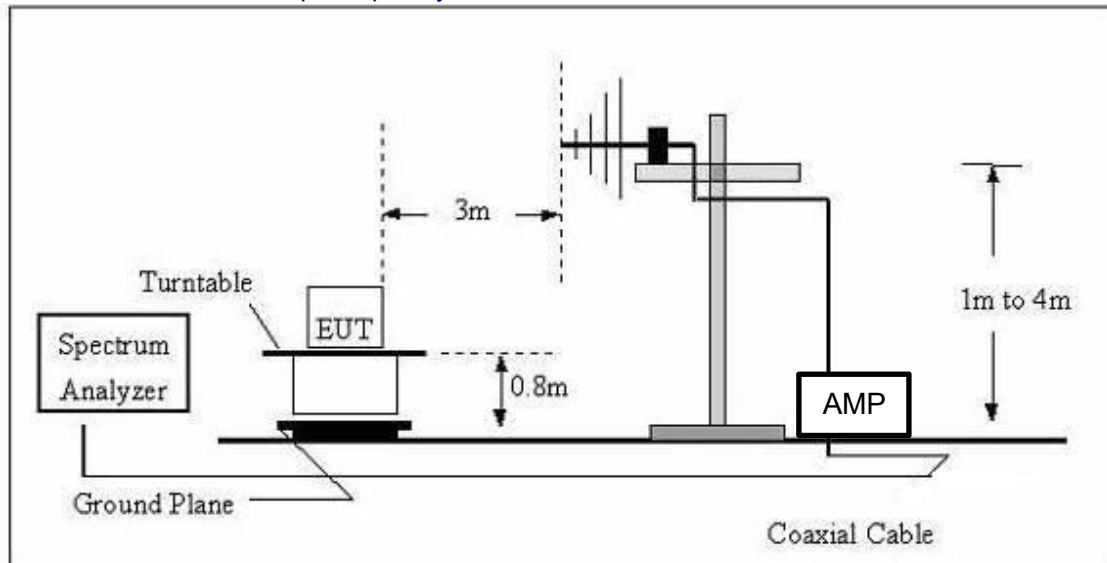
4.2.4 TEST SETUP

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

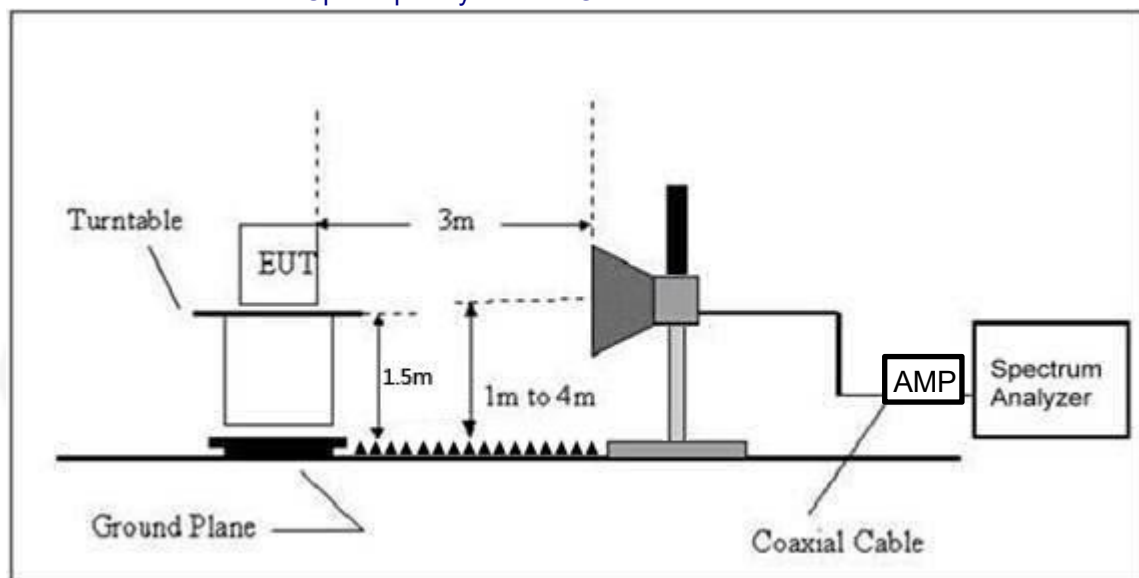




(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



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



4.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

4.2.6 TEST RESULTS

Between 9KHz – 30MHz

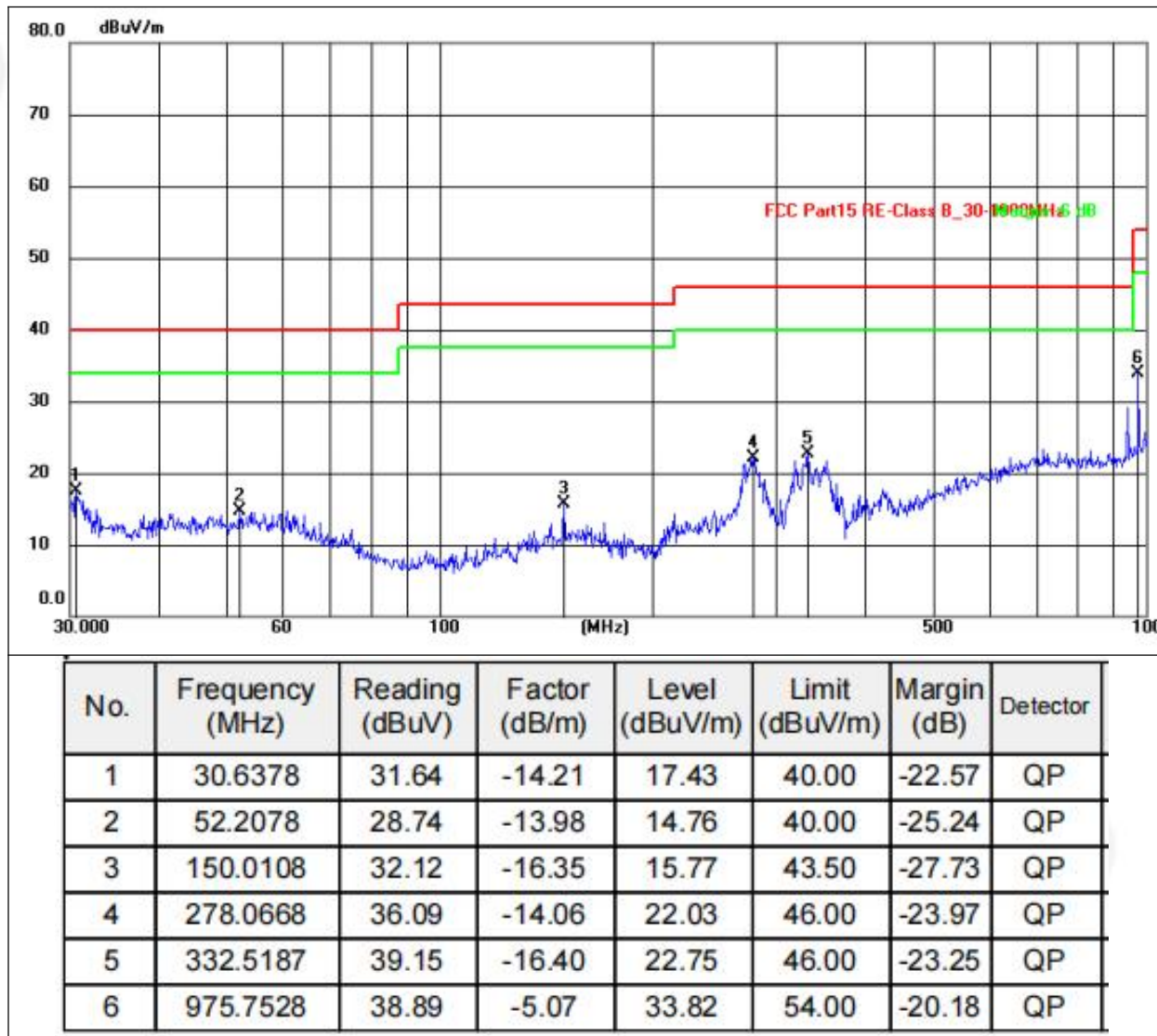
The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o) & RSS-Gen 6.13, the test result no need to reported.



Between 30MHz – 1GHz

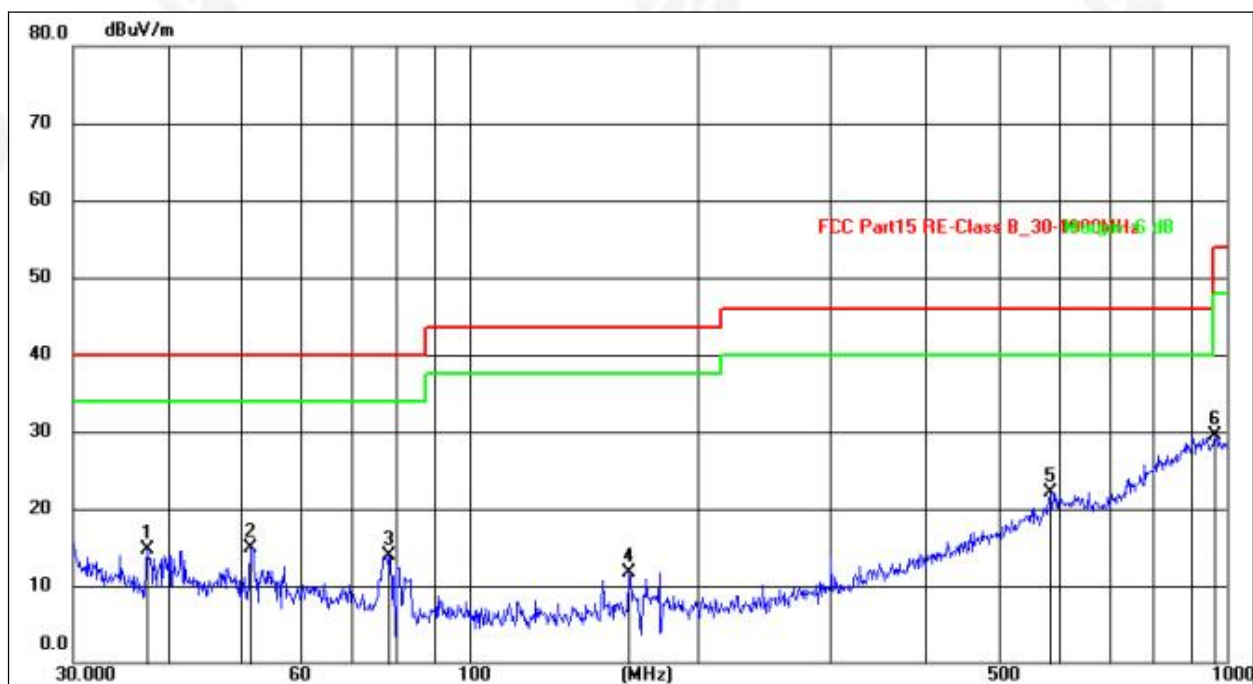
Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	AC 120V/60Hz	Test Mode	TX

Test Model:HDS600





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

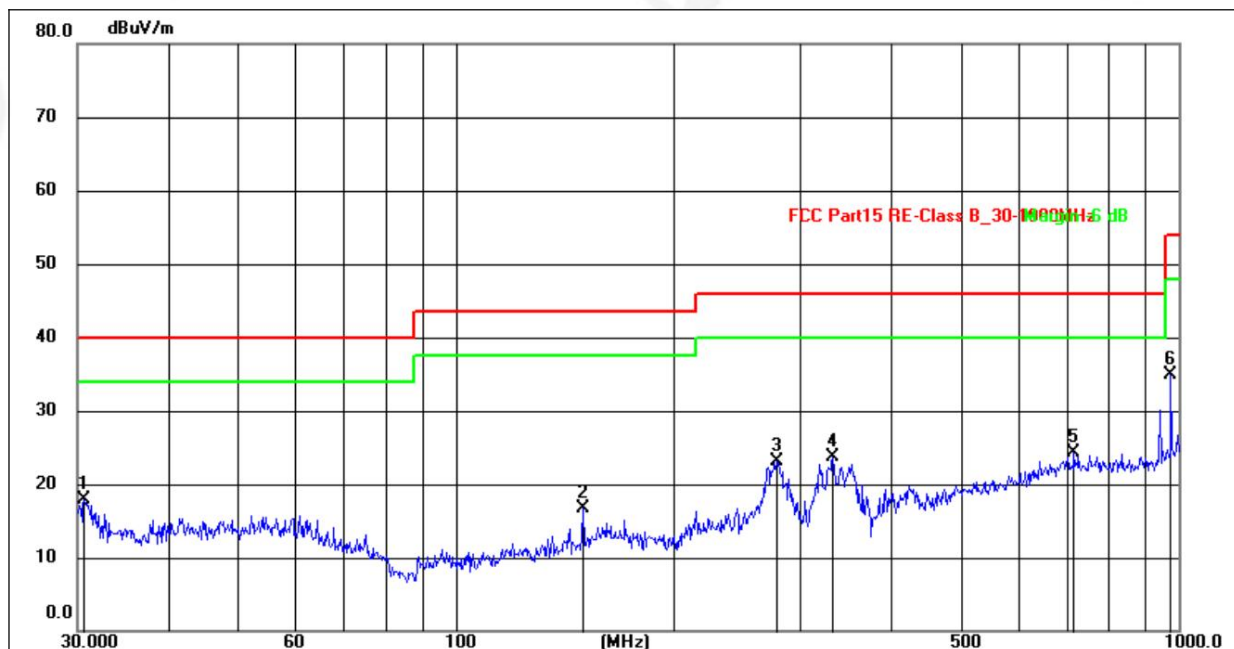


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	37.5478	31.92	-17.12	14.80	40.00	-25.20	QP
2	51.4807	32.30	-17.33	14.97	40.00	-25.03	QP
3	78.4133	35.18	-21.36	13.82	40.00	-26.18	QP
4	162.6105	31.69	-19.91	11.78	43.50	-31.72	QP
5	584.7894	30.02	-7.88	22.14	46.00	-23.86	QP
6	965.5420	29.63	-0.08	29.55	54.00	-24.45	QP



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

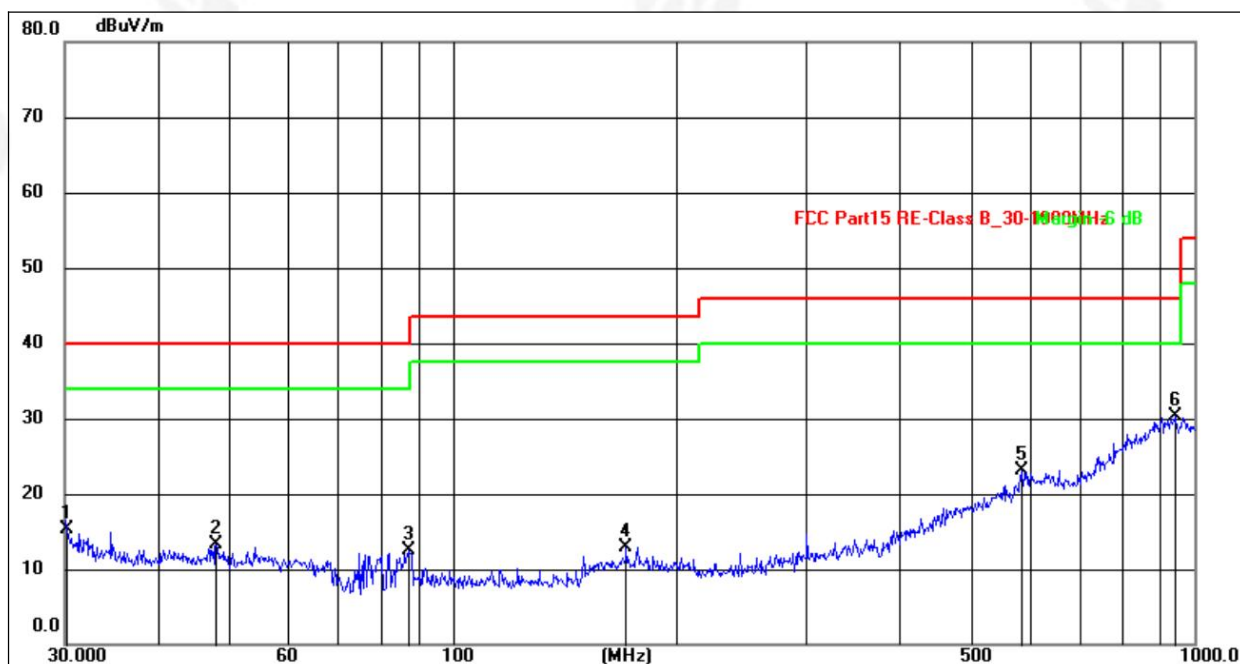
Test Model:F801



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.6377	32.14	-14.21	17.93	40.00	-22.07	QP
2	150.0107	33.12	-16.35	16.77	43.50	-26.73	QP
3	278.0668	37.09	-14.06	23.03	46.00	-22.97	QP
4	332.5187	40.15	-16.40	23.75	46.00	-22.25	QP
5	716.6820	30.72	-6.46	24.26	46.00	-21.74	QP
6	975.7527	39.89	-5.07	34.82	54.00	-19.18	QP



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



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.2110	33.63	-18.31	15.32	40.00	-24.68	QP
2	47.9939	30.35	-17.09	13.26	40.00	-26.74	QP
3	87.4175	33.89	-21.47	12.42	40.00	-27.58	QP
4	171.3925	32.74	-19.75	12.99	43.50	-30.51	QP
5	584.7894	31.02	-7.88	23.14	46.00	-22.86	QP
6	942.1304	30.46	-0.22	30.24	46.00	-15.76	QP

Notes:

1. The EUT was test at 3m in field chamber.
2. Correction Factor = Cable loss + Antenna factor – Preamplifier;
Margin= Emission Level - Limit



Test Model:HDS600
1GHz~25GHz

802.11b

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low Channel:2412MHz									
V	4824.00	50.7	30.55	5.77	24.66	50.58	74.00	-23.42	PK
V	4824.00	42.58	30.55	5.77	24.66	42.46	54.00	-11.54	AV
V	7236.00	51.51	30.33	6.32	24.55	52.05	74.00	-21.95	PK
V	7236.00	42.58	30.33	6.32	24.55	43.12	54.00	-10.88	AV
V	9648.00	49.78	30.85	7.45	24.69	51.07	74.00	-22.93	PK
V	9648.00	42.88	30.85	7.45	24.69	44.17	54.00	-9.83	AV
V	12060.00	53.9	31.02	8.99	25.57	57.44	74.00	-16.56	PK
V	12060.00	42.44	31.02	8.99	25.57	45.98	54.00	-8.02	AV
H	4824.00	53.89	30.55	5.77	24.66	53.77	74.00	-20.23	PK
H	4824.00	42.31	30.55	5.77	24.66	42.19	54.00	-11.81	AV
H	7236.00	53.83	30.33	6.32	24.55	54.37	74.00	-19.63	PK
H	7236.00	42.69	30.33	6.32	24.55	43.23	54.00	-10.77	AV
H	9648.00	51.94	30.85	7.45	24.69	53.23	74.00	-20.77	PK
H	9648.00	42.6	30.85	7.45	24.69	43.89	54.00	-10.11	AV
H	12060.00	53.44	31.02	8.99	25.57	56.98	74.00	-17.02	PK
H	12060.00	42.67	31.02	8.99	25.57	46.21	54.00	-7.79	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Middle Channel:2437MHz									
V	4874.00	49.14	30.55	5.77	24.66	49.02	74.00	-24.98	PK
V	4874.00	42.42	30.55	5.77	24.66	42.3	54.00	-11.7	AV
V	7311.00	49.76	30.33	6.32	24.55	50.3	74.00	-23.7	PK
V	7311.00	42.23	30.33	6.32	24.55	42.77	54.00	-11.23	AV
V	9748.00	51.59	30.85	7.45	24.69	52.88	74.00	-21.12	PK
V	9748.00	43.04	30.85	7.45	24.69	44.33	54.00	-9.67	AV
V	12185.00	50.47	31.02	8.99	25.57	54.01	74.00	-19.99	PK
V	12185.00	43.11	31.02	8.99	25.57	46.65	54.00	-7.35	AV
H	4874.00	49.6	30.55	5.77	24.66	49.48	74.00	-24.52	PK
H	4874.00	42.75	30.55	5.77	24.66	42.63	54.00	-11.37	AV
H	7311.00	51.42	30.33	6.32	24.55	51.96	74.00	-22.04	PK
H	7311.00	42.87	30.33	6.32	24.55	43.41	54.00	-10.59	AV
H	9748.00	50.87	30.85	7.45	24.69	52.16	74.00	-21.84	PK
H	9748.00	42.57	30.85	7.45	24.69	43.86	54.00	-10.14	AV
H	12185.00	51.41	31.02	8.99	25.57	54.95	74.00	-19.05	PK
H	12185.00	42.23	31.02	8.99	25.57	45.77	54.00	-8.23	AV



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Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
High Channel:2462MHz									
V	4924.00	51.71	30.55	5.77	24.66	51.59	74.00	-22.41	PK
V	4924.00	42.67	30.55	5.77	24.66	42.55	54.00	-11.45	AV
V	7386.00	52.00	30.33	6.32	24.55	52.54	74.00	-21.46	PK
V	7386.00	42.21	30.33	6.32	24.55	42.75	54.00	-11.25	AV
V	9848.00	51.46	30.85	7.45	24.69	52.75	74.00	-21.25	PK
V	9848.00	42.63	30.85	7.45	24.69	43.92	54.00	-10.08	AV
V	12310.00	51.06	31.02	8.99	25.57	54.60	74.00	-19.40	PK
V	12310.00	42.55	31.02	8.99	25.57	46.09	54.00	-7.91	AV
H	4924.00	53.48	30.55	5.77	24.66	53.36	74.00	-20.64	PK
H	4924.00	42.76	30.55	5.77	24.66	42.64	54.00	-11.36	AV
H	7386.00	49.84	30.33	6.32	24.55	50.38	74.00	-23.62	PK
H	7386.00	42.19	30.33	6.32	24.55	42.73	54.00	-11.27	AV
H	9848.00	51.20	30.85	7.45	24.69	52.49	74.00	-21.51	PK
H	9848.00	43.00	30.85	7.45	24.69	44.29	54.00	-9.71	AV
H	12310.00	52.47	31.02	8.99	25.57	56.01	74.00	-17.99	PK
H	12310.00	42.88	31.02	8.99	25.57	46.42	54.00	-7.58	AV

Remark:

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

Margin= Emission Level - Limit

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

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



802.11g

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low Channel:2412MHz									
V	4824.00	52.84	30.55	5.77	24.66	52.72	74.00	-21.28	PK
V	4824.00	43.01	30.55	5.77	24.66	42.89	54.00	-11.11	AV
V	7236.00	50.95	30.33	6.32	24.55	51.49	74.00	-22.51	PK
V	7236.00	43.00	30.33	6.32	24.55	43.54	54.00	-10.46	AV
V	9648.00	51.20	30.85	7.45	24.69	52.49	74.00	-21.51	PK
V	9648.00	42.81	30.85	7.45	24.69	44.10	54.00	-9.90	AV
V	12060.00	53.54	31.02	8.99	25.57	57.08	74.00	-16.92	PK
V	12060.00	42.84	31.02	8.99	25.57	46.38	54.00	-7.62	AV
H	4824.00	51.45	30.55	5.77	24.66	51.33	74.00	-22.67	PK
H	4824.00	43.06	30.55	5.77	24.66	42.94	54.00	-11.06	AV
H	7236.00	49.46	30.33	6.32	24.55	50.00	74.00	-24.00	PK
H	7236.00	42.86	30.33	6.32	24.55	43.40	54.00	-10.60	AV
H	9648.00	51.58	30.85	7.45	24.69	52.87	74.00	-21.13	PK
H	9648.00	42.80	30.85	7.45	24.69	44.09	54.00	-9.91	AV
H	12060.00	53.94	31.02	8.99	25.57	57.48	74.00	-16.52	PK
H	12060.00	42.11	31.02	8.99	25.57	45.65	54.00	-8.35	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amp lifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Middle Channel:2437MHz									
V	4874.00	52.40	30.55	5.77	24.66	52.28	74.00	-21.72	PK
V	4874.00	42.16	30.55	5.77	24.66	42.04	54.00	-11.96	AV
V	7311.00	49.54	30.33	6.32	24.55	50.08	74.00	-23.92	PK
V	7311.00	42.26	30.33	6.32	24.55	42.80	54.00	-11.20	AV
V	9748.00	51.57	30.85	7.45	24.69	52.86	74.00	-21.14	PK
V	9748.00	42.61	30.85	7.45	24.69	43.90	54.00	-10.1	AV
V	12185.00	49.96	31.02	8.99	25.57	53.50	74.00	-20.50	PK
V	12185.00	42.56	31.02	8.99	25.57	46.10	54.00	-7.90	AV
H	4874.00	52.49	30.55	5.77	24.66	52.37	74.00	-21.63	PK
H	4874.00	42.84	30.55	5.77	24.66	42.72	54.00	-11.28	AV
H	7311.00	50.78	30.33	6.32	24.55	51.32	74.00	-22.68	PK
H	7311.00	42.35	30.33	6.32	24.55	42.89	54.00	-11.11	AV
H	9748.00	52.66	30.85	7.45	24.69	53.95	74.00	-20.05	PK
H	9748.00	42.72	30.85	7.45	24.69	44.01	54.00	-9.99	AV
H	12185.00	53.79	31.02	8.99	25.57	57.33	74.00	-16.67	PK
H	12185.00	42.52	31.02	8.99	25.57	46.06	54.00	-7.94	AV



Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
High Channel:2462MHz									
V	4924.00	52.05	30.55	5.77	24.66	51.93	74.00	-22.07	PK
V	4924.00	42.18	30.55	5.77	24.66	42.06	54.00	-11.94	AV
V	7386.00	53.27	30.33	6.32	24.55	53.81	74.00	-20.19	PK
V	7386.00	42.3	30.33	6.32	24.55	42.84	54.00	-11.16	AV
V	9848.00	52.95	30.85	7.45	24.69	54.24	74.00	-19.76	PK
V	9848.00	42.14	30.85	7.45	24.69	43.43	54.00	-10.57	AV
V	12310.00	49.35	31.02	8.99	25.57	52.89	74.00	-21.11	PK
V	12310.00	42.17	31.02	8.99	25.57	45.71	54.00	-8.29	AV
H	4924.00	52.24	30.55	5.77	24.66	52.12	74.00	-21.88	PK
H	4924.00	42.84	30.55	5.77	24.66	42.72	54.00	-11.28	AV
H	7386.00	49.63	30.33	6.32	24.55	50.17	74.00	-23.83	PK
H	7386.00	42.12	30.33	6.32	24.55	42.66	54.00	-11.34	AV
H	9848.00	52.53	30.85	7.45	24.69	53.82	74.00	-20.18	PK
H	9848.00	42.35	30.85	7.45	24.69	43.64	54.00	-10.36	AV
H	12310.00	53.41	31.02	8.99	25.57	56.95	74.00	-17.05	PK
H	12310.00	42.91	31.02	8.99	25.57	46.45	54.00	-7.55	AV

Remark:

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

Margin= Emission Level - Limit

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

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



802.11n20

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low Channel:2412MHz									
V	4824.00	53.30	30.55	5.77	24.66	53.18	74.00	-20.82	PK
V	4824.00	42.27	30.55	5.77	24.66	42.15	54.00	-11.85	AV
V	7236.00	50.79	30.33	6.32	24.55	51.33	74.00	-22.67	PK
V	7236.00	42.71	30.33	6.32	24.55	43.25	54.00	-10.75	AV
V	9648.00	49.62	30.85	7.45	24.69	50.91	74.00	-23.09	PK
V	9648.00	43.04	30.85	7.45	24.69	44.33	54.00	-9.67	AV
V	12060.00	49.78	31.02	8.99	25.57	53.32	74.00	-20.68	PK
V	12060.00	42.51	31.02	8.99	25.57	46.05	54.00	-7.95	AV
H	4824.00	52.39	30.55	5.77	24.66	52.27	74.00	-21.73	PK
H	4824.00	42.12	30.55	5.77	24.66	42.00	54.00	-12.00	AV
H	7236.00	52.14	30.33	6.32	24.55	52.68	74.00	-21.32	PK
H	7236.00	42.13	30.33	6.32	24.55	42.67	54.00	-11.33	AV
H	9648.00	50.82	30.85	7.45	24.69	52.11	74.00	-21.89	PK
H	9648.00	42.82	30.85	7.45	24.69	44.11	54.00	-9.89	AV
H	12060.00	51.31	31.02	8.99	25.57	54.85	74.00	-19.15	PK
H	12060.00	42.92	31.02	8.99	25.57	46.46	54.00	-7.54	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Middle Channel:2437MHz									
V	4874.00	51.94	30.55	5.77	24.66	51.82	74.00	-22.18	PK
V	4874.00	42.78	30.55	5.77	24.66	42.66	54.00	-11.34	AV
V	7311.00	50.25	30.33	6.32	24.55	50.79	74.00	-23.21	PK
V	7311.00	42.67	30.33	6.32	24.55	43.21	54.00	-10.79	AV
V	9748.00	49.73	30.85	7.45	24.69	51.02	74.00	-22.98	PK
V	9748.00	42.95	30.85	7.45	24.69	44.24	54.00	-9.76	AV
V	12185.00	53.42	31.02	8.99	25.57	56.96	74.00	-17.04	PK
V	12185.00	42.55	31.02	8.99	25.57	46.09	54.00	-7.91	AV
H	4874.00	51.49	30.55	5.77	24.66	51.37	74.00	-22.63	PK
H	4874.00	42.64	30.55	5.77	24.66	42.52	54.00	-11.48	AV
H	7311.00	51.84	30.33	6.32	24.55	52.38	74.00	-21.62	PK
H	7311.00	42.76	30.33	6.32	24.55	43.30	54.00	-10.70	AV
H	9748.00	53.34	30.85	7.45	24.69	54.63	74.00	-19.37	PK
H	9748.00	42.83	30.85	7.45	24.69	44.12	54.00	-9.88	AV
H	12185.00	49.43	31.02	8.99	25.57	52.97	74.00	-21.03	PK
H	12185.00	42.27	31.02	8.99	25.57	45.81	54.00	-8.19	AV



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Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
High Channel:2462MHz									
V	4924.00	53.31	30.55	5.77	24.66	53.19	74.00	-20.81	PK
V	4924.00	42.82	30.55	5.77	24.66	42.70	54.00	-11.30	AV
V	7386.00	52.89	30.33	6.32	24.55	53.43	74.00	-20.57	PK
V	7386.00	42.65	30.33	6.32	24.55	43.19	54.00	-10.81	AV
V	9848.00	53.03	30.85	7.45	24.69	54.32	74.00	-19.68	PK
V	9848.00	42.91	30.85	7.45	24.69	44.20	54.00	-9.80	AV
V	12310.00	52.81	31.02	8.99	25.57	56.35	74.00	-17.65	PK
V	12310.00	42.57	31.02	8.99	25.57	46.11	54.00	-7.89	AV
H	4924.00	49.7	30.55	5.77	24.66	49.58	74.00	-24.42	PK
H	4924.00	42.97	30.55	5.77	24.66	42.85	54.00	-11.15	AV
H	7386.00	49.48	30.33	6.32	24.55	50.02	74.00	-23.98	PK
H	7386.00	42.37	30.33	6.32	24.55	42.91	54.00	-11.09	AV
H	9848.00	52.10	30.85	7.45	24.69	53.39	74.00	-20.61	PK
H	9848.00	43.10	30.85	7.45	24.69	44.39	54.00	-9.61	AV
H	12310.00	53.87	31.02	8.99	25.57	57.41	74.00	-16.59	PK
H	12310.00	42.62	31.02	8.99	25.57	46.16	54.00	-7.84	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



Test Model:F801
1GHz~25GHz

802.11b

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low Channel:2412MHz									
V	4824.00	50.43	30.55	5.77	24.66	50.31	74.00	-23.69	PK
V	4824.00	42.31	30.55	5.77	24.66	42.19	54.00	-11.81	AV
V	7236.00	51.24	30.33	6.32	24.55	51.78	74.00	-22.22	PK
V	7236.00	42.31	30.33	6.32	24.55	42.85	54.00	-11.15	AV
V	9648.00	49.51	30.85	7.45	24.69	50.8	74.00	-23.2	PK
V	9648.00	42.61	30.85	7.45	24.69	43.9	54.00	-10.1	AV
V	12060.00	53.63	31.02	8.99	25.57	57.17	74.00	-16.83	PK
V	12060.00	42.17	31.02	8.99	25.57	45.71	54.00	-8.29	AV
H	4824.00	53.62	30.55	5.77	24.66	53.5	74.00	-20.5	PK
H	4824.00	42.04	30.55	5.77	24.66	41.92	54.00	-12.08	AV
H	7236.00	53.56	30.33	6.32	24.55	54.1	74.00	-19.9	PK
H	7236.00	42.42	30.33	6.32	24.55	42.96	54.00	-11.04	AV
H	9648.00	51.67	30.85	7.45	24.69	52.96	74.00	-21.04	PK
H	9648.00	42.33	30.85	7.45	24.69	43.62	54.00	-10.38	AV
H	12060.00	53.17	31.02	8.99	25.57	56.71	74.00	-17.29	PK
H	12060.00	42.4	31.02	8.99	25.57	45.94	54.00	-8.06	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Middle Channel:2437MHz									
V	4874.00	48.79	30.55	5.77	24.66	48.67	74.00	-24.98	PK
V	4874.00	42.07	30.55	5.77	24.66	41.95	54.00	-11.70	AV
V	7311.00	49.41	30.33	6.32	24.55	49.95	74.00	-23.70	PK
V	7311.00	41.88	30.33	6.32	24.55	42.42	54.00	-11.23	AV
V	9748.00	51.24	30.85	7.45	24.69	52.53	74.00	-21.12	PK
V	9748.00	42.69	30.85	7.45	24.69	43.98	54.00	-9.67	AV
V	12185.00	50.12	31.02	8.99	25.57	53.66	74.00	-19.99	PK
V	12185.00	42.76	31.02	8.99	25.57	46.30	54.00	-7.35	AV
H	4874.00	49.25	30.55	5.77	24.66	49.13	74.00	-24.52	PK
H	4874.00	42.40	30.55	5.77	24.66	42.28	54.00	-11.37	AV
H	7311.00	51.07	30.33	6.32	24.55	51.61	74.00	-22.04	PK
H	7311.00	42.52	30.33	6.32	24.55	43.06	54.00	-10.59	AV
H	9748.00	50.52	30.85	7.45	24.69	51.81	74.00	-21.84	PK
H	9748.00	42.22	30.85	7.45	24.69	43.51	54.00	-10.14	AV
H	12185.00	51.06	31.02	8.99	25.57	54.60	74.00	-19.05	PK
H	12185.00	41.88	31.02	8.99	25.57	45.42	54.00	-8.23	AV



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Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
High Channel:2462MHz									
V	4924.00	51.39	30.55	5.77	24.66	51.27	74.00	-22.73	PK
V	4924.00	42.35	30.55	5.77	24.66	42.23	54.00	-11.77	AV
V	7386.00	51.68	30.33	6.32	24.55	52.22	74.00	-21.78	PK
V	7386.00	41.89	30.33	6.32	24.55	42.43	54.00	-11.57	AV
V	9848.00	51.14	30.85	7.45	24.69	52.43	74.00	-21.57	PK
V	9848.00	42.31	30.85	7.45	24.69	43.6	54.00	-10.4	AV
V	12310.00	50.74	31.02	8.99	25.57	54.28	74.00	-19.72	PK
V	12310.00	42.23	31.02	8.99	25.57	45.77	54.00	-8.23	AV
H	4924.00	53.16	30.55	5.77	24.66	53.04	74.00	-20.96	PK
H	4924.00	42.44	30.55	5.77	24.66	42.32	54.00	-11.68	AV
H	7386.00	49.52	30.33	6.32	24.55	50.06	74.00	-23.94	PK
H	7386.00	41.87	30.33	6.32	24.55	42.41	54.00	-11.59	AV
H	9848.00	50.88	30.85	7.45	24.69	52.17	74.00	-21.83	PK
H	9848.00	42.68	30.85	7.45	24.69	43.97	54.00	-10.03	AV
H	12310.00	52.15	31.02	8.99	25.57	55.69	74.00	-18.31	PK
H	12310.00	42.56	31.02	8.99	25.57	46.1	54.00	-7.9	AV

Remark:

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

Margin= Emission Level - Limit

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

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



802.11g

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low Channel:2412MHz									
V	4824.00	52.39	30.55	5.77	24.66	52.27	74.00	-21.73	PK
V	4824.00	42.56	30.55	5.77	24.66	42.44	54.00	-11.56	AV
V	7236.00	50.50	30.33	6.32	24.55	51.04	74.00	-22.96	PK
V	7236.00	42.55	30.33	6.32	24.55	43.09	54.00	-10.91	AV
V	9648.00	50.75	30.85	7.45	24.69	52.04	74.00	-21.96	PK
V	9648.00	42.36	30.85	7.45	24.69	43.65	54.00	-10.35	AV
V	12060.00	53.09	31.02	8.99	25.57	56.63	74.00	-17.37	PK
V	12060.00	42.39	31.02	8.99	25.57	45.93	54.00	-8.07	AV
H	4824.00	51.00	30.55	5.77	24.66	50.88	74.00	-23.12	PK
H	4824.00	42.61	30.55	5.77	24.66	42.49	54.00	-11.51	AV
H	7236.00	49.01	30.33	6.32	24.55	49.55	74.00	-24.45	PK
H	7236.00	42.41	30.33	6.32	24.55	42.95	54.00	-11.05	AV
H	9648.00	51.13	30.85	7.45	24.69	52.42	74.00	-21.58	PK
H	9648.00	42.35	30.85	7.45	24.69	43.64	54.00	-10.36	AV
H	12060.00	53.49	31.02	8.99	25.57	57.03	74.00	-16.97	PK
H	12060.00	41.66	31.02	8.99	25.57	45.20	54.00	-8.80	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amp lifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Middle Channel:2437MHz									
V	4874.00	51.95	30.55	5.77	24.66	51.83	74.00	-22.17	PK
V	4874.00	41.71	30.55	5.77	24.66	41.59	54.00	-12.41	AV
V	7311.00	49.09	30.33	6.32	24.55	49.63	74.00	-24.37	PK
V	7311.00	41.81	30.33	6.32	24.55	42.35	54.00	-11.65	AV
V	9748.00	51.12	30.85	7.45	24.69	52.41	74.00	-21.59	PK
V	9748.00	42.16	30.85	7.45	24.69	43.45	54.00	-10.55	AV
V	12185.00	49.51	31.02	8.99	25.57	53.05	74.00	-20.95	PK
V	12185.00	42.11	31.02	8.99	25.57	45.65	54.00	-8.35	AV
H	4874.00	52.04	30.55	5.77	24.66	51.92	74.00	-22.08	PK
H	4874.00	42.39	30.55	5.77	24.66	42.27	54.00	-11.73	AV
H	7311.00	50.33	30.33	6.32	24.55	50.87	74.00	-23.13	PK
H	7311.00	41.9	30.33	6.32	24.55	42.44	54.00	-11.56	AV
H	9748.00	52.21	30.85	7.45	24.69	53.5	74.00	-20.5	PK
H	9748.00	42.27	30.85	7.45	24.69	43.56	54.00	-10.44	AV
H	12185.00	53.34	31.02	8.99	25.57	56.88	74.00	-17.12	PK
H	12185.00	42.07	31.02	8.99	25.57	45.61	54.00	-8.39	AV



Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
High Channel:2462MHz									
V	4924.00	51.60	30.55	5.77	24.66	51.48	74.00	-22.52	PK
V	4924.00	41.73	30.55	5.77	24.66	41.61	54.00	-12.39	AV
V	7386.00	52.82	30.33	6.32	24.55	53.36	74.00	-20.64	PK
V	7386.00	41.85	30.33	6.32	24.55	42.39	54.00	-11.61	AV
V	9848.00	52.50	30.85	7.45	24.69	53.79	74.00	-20.21	PK
V	9848.00	41.69	30.85	7.45	24.69	42.98	54.00	-11.02	AV
V	12310.00	48.90	31.02	8.99	25.57	52.44	74.00	-21.56	PK
V	12310.00	41.72	31.02	8.99	25.57	45.26	54.00	-8.74	AV
H	4924.00	51.79	30.55	5.77	24.66	51.67	74.00	-22.33	PK
H	4924.00	42.39	30.55	5.77	24.66	42.27	54.00	-11.73	AV
H	7386.00	49.18	30.33	6.32	24.55	49.72	74.00	-24.28	PK
H	7386.00	41.67	30.33	6.32	24.55	42.21	54.00	-11.79	AV
H	9848.00	52.08	30.85	7.45	24.69	53.37	74.00	-20.63	PK
H	9848.00	41.90	30.85	7.45	24.69	43.19	54.00	-10.81	AV
H	12310.00	52.96	31.02	8.99	25.57	56.50	74.00	-17.50	PK
H	12310.00	42.46	31.02	8.99	25.57	46.00	54.00	-8.00	AV

Remark:

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

Margin= Emission Level - Limit

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

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



802.11n20

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low Channel:2412MHz									
V	4824.00	53.04	30.55	5.77	24.66	52.92	74.00	-21.08	PK
V	4824.00	42.01	30.55	5.77	24.66	41.89	54.00	-12.11	AV
V	7236.00	50.53	30.33	6.32	24.55	51.07	74.00	-22.93	PK
V	7236.00	42.45	30.33	6.32	24.55	42.99	54.00	-11.01	AV
V	9648.00	49.36	30.85	7.45	24.69	50.65	74.00	-23.35	PK
V	9648.00	42.78	30.85	7.45	24.69	44.07	54.00	-9.93	AV
V	12060.00	49.52	31.02	8.99	25.57	53.06	74.00	-20.94	PK
V	12060.00	42.25	31.02	8.99	25.57	45.79	54.00	-8.21	AV
H	4824.00	52.13	30.55	5.77	24.66	52.01	74.00	-21.99	PK
H	4824.00	41.86	30.55	5.77	24.66	41.74	54.00	-12.26	AV
H	7236.00	51.88	30.33	6.32	24.55	52.42	74.00	-21.58	PK
H	7236.00	41.87	30.33	6.32	24.55	42.41	54.00	-11.59	AV
H	9648.00	50.56	30.85	7.45	24.69	51.85	74.00	-22.15	PK
H	9648.00	42.56	30.85	7.45	24.69	43.85	54.00	-10.15	AV
H	12060.00	51.05	31.02	8.99	25.57	54.59	74.00	-19.41	PK
H	12060.00	42.66	31.02	8.99	25.57	46.2	54.00	-7.8	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Middle Channel:2437MHz									
V	4874.00	51.68	30.55	5.77	24.66	51.56	74.00	-22.44	PK
V	4874.00	42.52	30.55	5.77	24.66	42.40	54.00	-11.60	AV
V	7311.00	49.99	30.33	6.32	24.55	50.53	74.00	-23.47	PK
V	7311.00	42.41	30.33	6.32	24.55	42.95	54.00	-11.05	AV
V	9748.00	49.47	30.85	7.45	24.69	50.76	74.00	-23.24	PK
V	9748.00	42.69	30.85	7.45	24.69	43.98	54.00	-10.02	AV
V	12185.00	53.16	31.02	8.99	25.57	56.70	74.00	-17.30	PK
V	12185.00	42.29	31.02	8.99	25.57	45.83	54.00	-8.17	AV
H	4874.00	51.23	30.55	5.77	24.66	51.11	74.00	-22.89	PK
H	4874.00	42.38	30.55	5.77	24.66	42.26	54.00	-11.74	AV
H	7311.00	51.58	30.33	6.32	24.55	52.12	74.00	-21.88	PK
H	7311.00	42.50	30.33	6.32	24.55	43.04	54.00	-10.96	AV
H	9748.00	53.08	30.85	7.45	24.69	54.37	74.00	-19.63	PK
H	9748.00	42.57	30.85	7.45	24.69	43.86	54.00	-10.14	AV
H	12185.00	49.17	31.02	8.99	25.57	52.71	74.00	-21.29	PK
H	12185.00	42.01	31.02	8.99	25.57	45.55	54.00	-8.45	AV



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Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
High Channel:2462MHz									
V	4924.00	53.05	30.55	5.77	24.66	52.93	74.00	-21.07	PK
V	4924.00	42.56	30.55	5.77	24.66	42.44	54.00	-11.56	AV
V	7386.00	52.63	30.33	6.32	24.55	53.17	74.00	-20.83	PK
V	7386.00	42.39	30.33	6.32	24.55	42.93	54.00	-11.07	AV
V	9848.00	52.77	30.85	7.45	24.69	54.06	74.00	-19.94	PK
V	9848.00	42.65	30.85	7.45	24.69	43.94	54.00	-10.06	AV
V	12310.00	52.55	31.02	8.99	25.57	56.09	74.00	-17.91	PK
V	12310.00	42.31	31.02	8.99	25.57	45.85	54.00	-8.15	AV
H	4924.00	49.44	30.55	5.77	24.66	49.32	74.00	-24.68	PK
H	4924.00	42.71	30.55	5.77	24.66	42.59	54.00	-11.41	AV
H	7386.00	49.22	30.33	6.32	24.55	49.76	74.00	-24.24	PK
H	7386.00	42.11	30.33	6.32	24.55	42.65	54.00	-11.35	AV
H	9848.00	51.84	30.85	7.45	24.69	53.13	74.00	-20.87	PK
H	9848.00	42.84	30.85	7.45	24.69	44.13	54.00	-9.87	AV
H	12310.00	53.61	31.02	8.99	25.57	57.15	74.00	-16.85	PK
H	12310.00	42.36	31.02	8.99	25.57	45.90	54.00	-8.10	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



5. RADIATED BAND EMISSION MEASUREMENT

5.1 TEST REQUIREMENT:

Test Requirement:	FCC Part 15 C Section 15.209 and 15.205				
Test Method:	ANSI C63.10: 2013				
Test Frequency Range:	All of the restrict bands were tested, only the worst band's (2310MHz to 2500MHz) data was showed.				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	Above	Peak	1MHz	3MHz	Peak
	1GHz	Average	1MHz	3MHz	Average

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Class B (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).

5.2 TEST PROCEDURE

Above 1GHz test procedure as below:

- The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 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.
- 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.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 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.
- 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

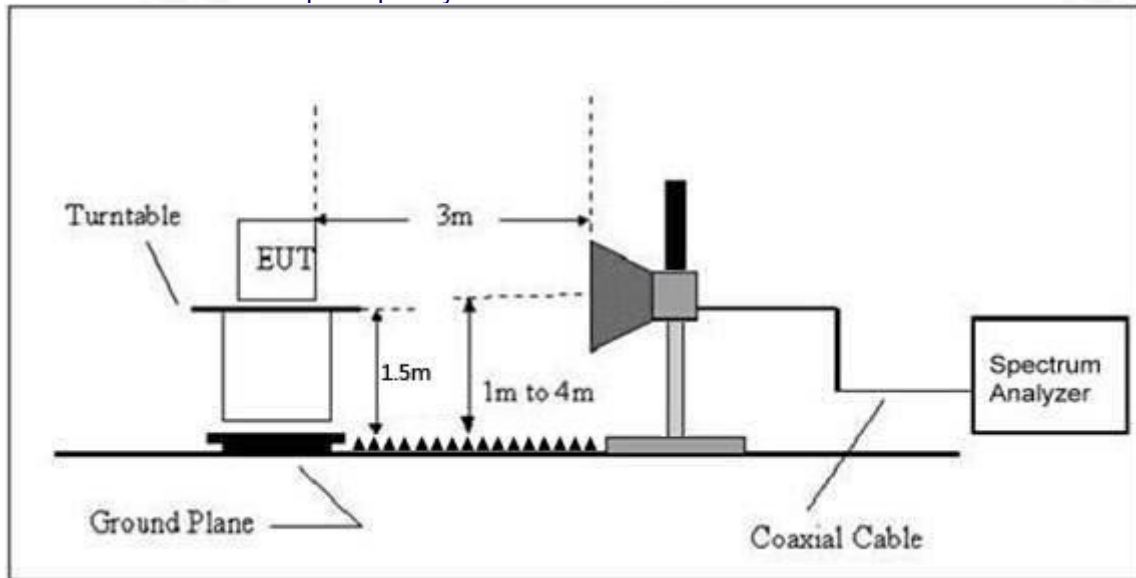
5.3 DEVIATION FROM TEST STANDARD

No deviation



5.4 TEST SETUP

Radiated Emission Test-Up Frequency Above 1GHz



5.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.



5.6 TEST RESULT

Test Model:HDS600

	Polar (H/V)	Frequenc y (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV /m)	Detec tor Type	Result
802.11b	LowChannel 2412MHz									
	H	2390.00	53.91	30.22	4.85	23.98	52.52	74.00	PK	PASS
	H	2390.00	44.37	30.22	4.85	23.98	42.98	54.00	AV	PASS
	H	2400.00	53.35	30.22	4.85	23.98	51.96	74.00	PK	PASS
	H	2400.00	44.20	30.22	4.85	23.98	42.81	54.00	AV	PASS
	V	2390.00	54.12	30.22	4.85	23.98	52.73	74.00	PK	PASS
	V	2390.00	44.07	30.22	4.85	23.98	42.68	54.00	AV	PASS
	V	2400.00	54.20	30.22	4.85	23.98	52.81	74.00	PK	PASS
	V	2400.00	44.83	30.22	4.85	23.98	43.44	54.00	AV	PASS
	HighChannel 2462MHz									
	H	2483.50	53.21	30.22	4.85	23.98	51.82	74.00	PK	PASS
	H	2485.50	44.53	30.22	4.85	23.98	43.14	54.00	AV	PASS
	H	2500.00	54.66	30.22	4.85	23.98	53.27	74.00	PK	PASS
	H	2500.00	45.00	30.22	4.85	23.98	43.61	54.00	AV	PASS
	V	2483.50	53.59	30.22	4.85	23.98	52.20	74.00	PK	PASS
	V	2485.50	44.45	30.22	4.85	23.98	43.06	54.00	AV	PASS
	V	2500.00	55.11	30.22	4.85	23.98	53.72	74.00	PK	PASS
	V	2500.00	44.97	30.22	4.85	23.98	43.58	54.00	AV	PASS
802.11g	LowChannel 2412MHz									
	H	2390.00	53.76	30.22	4.85	23.98	52.37	74.00	PK	PASS
	H	2390.00	44.55	30.22	4.85	23.98	43.16	54.00	AV	PASS
	H	2400.00	55.11	30.22	4.85	23.98	53.72	74.00	PK	PASS
	H	2400.00	45.23	30.22	4.85	23.98	43.84	54.00	AV	PASS
	V	2390.00	53.45	30.22	4.85	23.98	52.06	74.00	PK	PASS
	V	2390.00	44.98	30.22	4.85	23.98	43.59	54.00	AV	PASS
	V	2400.00	55.16	30.22	4.85	23.98	53.77	74.00	PK	PASS
	V	2400.00	45.08	30.22	4.85	23.98	43.69	54.00	AV	PASS
	High Channel 2462MHz									
	H	2483.50	54.89	30.22	4.85	23.98	53.50	74.00	PK	PASS
	H	2485.50	44.21	30.22	4.85	23.98	42.82	54.00	AV	PASS
	H	2500.00	54.50	30.22	4.85	23.98	53.11	74.00	PK	PASS
	H	2500.00	44.77	30.22	4.85	23.98	43.38	54.00	AV	PASS
	V	2483.50	54.41	30.22	4.85	23.98	53.02	74.00	PK	PASS
	V	2485.50	45.01	30.22	4.85	23.98	43.62	54.00	AV	PASS
	V	2500.00	54.36	30.22	4.85	23.98	52.97	74.00	PK	PASS
	V	2500.00	44.90	30.22	4.85	23.98	43.51	54.00	AV	PASS
802.11n20	LowChannel 2412MHz									
	H	2390.00	54.27	30.22	4.85	23.98	52.88	74.00	PK	PASS
	H	2390.00	44.80	30.22	4.85	23.98	43.41	54.00	AV	PASS
	H	2400.00	55.00	30.22	4.85	23.98	53.61	74.00	PK	PASS
	H	2400.00	44.57	30.22	4.85	23.98	43.18	54.00	AV	PASS
	V	2390.00	55.11	30.22	4.85	23.98	53.72	74.00	PK	PASS
	V	2390.00	44.90	30.22	4.85	23.98	43.51	54.00	AV	PASS
	V	2400.00	55.16	30.22	4.85	23.98	53.77	74.00	PK	PASS
	V	2400.00	44.48	30.22	4.85	23.98	43.09	54.00	AV	PASS
	High Channel 2462MHz									
	H	2483.50	56.22	30.22	4.85	23.98	54.83	74.00	PK	PASS
	H	2485.50	45.54	30.22	4.85	23.98	44.15	54.00	AV	PASS
	H	2500.00	55.83	30.22	4.85	23.98	54.44	74.00	PK	PASS
	H	2500.00	46.10	30.22	4.85	23.98	44.71	54.00	AV	PASS
	V	2483.50	55.74	30.22	4.85	23.98	54.35	74.00	PK	PASS
	V	2485.50	46.34	30.22	4.85	23.98	44.95	54.00	AV	PASS



	V	2500.00	55.69	30.22	4.85	23.98	54.30	74.00	PK	PASS
	V	2500.00	46.23	30.22	4.85	23.98	44.84	54.00	AV	PASS

Remark:

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

Test Model:F801

	Polar (H/V)	Frequenc y (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV /m)	Detec tor Type	Result
802.11b	LowChannel 2412MHz									
	H	2390.00	53.34	30.22	4.85	23.98	51.95	74.00	PK	PASS
	H	2390.00	43.80	30.22	4.85	23.98	42.41	54.00	AV	PASS
	H	2400.00	52.78	30.22	4.85	23.98	51.39	74.00	PK	PASS
	H	2400.00	43.63	30.22	4.85	23.98	42.24	54.00	AV	PASS
	V	2390.00	53.55	30.22	4.85	23.98	52.16	74.00	PK	PASS
	V	2390.00	43.50	30.22	4.85	23.98	42.11	54.00	AV	PASS
	V	2400.00	53.63	30.22	4.85	23.98	52.24	74.00	PK	PASS
	V	2400.00	44.26	30.22	4.85	23.98	42.87	54.00	AV	PASS
	HighChannel 2462MHz									
	H	2483.50	52.64	30.22	4.85	23.98	51.25	74.00	PK	PASS
	H	2485.50	43.96	30.22	4.85	23.98	42.57	54.00	AV	PASS
	H	2500.00	54.09	30.22	4.85	23.98	52.70	74.00	PK	PASS
	H	2500.00	44.43	30.22	4.85	23.98	43.04	54.00	AV	PASS
	V	2483.50	53.02	30.22	4.85	23.98	51.63	74.00	PK	PASS
	V	2485.50	43.88	30.22	4.85	23.98	42.49	54.00	AV	PASS
802.11g	LowChannel 2412MHz									
	H	2390.00	53.19	30.22	4.85	23.98	51.80	74.00	PK	PASS
	H	2390.00	43.98	30.22	4.85	23.98	42.59	54.00	AV	PASS
	H	2400.00	54.54	30.22	4.85	23.98	53.15	74.00	PK	PASS
	H	2400.00	44.66	30.22	4.85	23.98	43.27	54.00	AV	PASS
	V	2390.00	52.88	30.22	4.85	23.98	51.49	74.00	PK	PASS
	V	2390.00	44.41	30.22	4.85	23.98	43.02	54.00	AV	PASS
	V	2400.00	54.59	30.22	4.85	23.98	53.20	74.00	PK	PASS
	V	2400.00	44.51	30.22	4.85	23.98	43.12	54.00	AV	PASS
	High Channel 2462MHz									
	H	2483.50	54.32	30.22	4.85	23.98	52.93	74.00	PK	PASS
	H	2485.50	43.64	30.22	4.85	23.98	42.25	54.00	AV	PASS
	H	2500.00	53.93	30.22	4.85	23.98	52.54	74.00	PK	PASS
	H	2500.00	44.20	30.22	4.85	23.98	42.81	54.00	AV	PASS
	V	2483.50	53.84	30.22	4.85	23.98	52.45	74.00	PK	PASS
	V	2485.50	44.44	30.22	4.85	23.98	43.05	54.00	AV	PASS
802.11n20	LowChannel 2412MHz									
	H	2390.00	52.31	30.22	4.85	23.98	52.31	74.00	PK	PASS
	H	2390.00	42.84	30.22	4.85	23.98	42.84	54.00	AV	PASS
	H	2400.00	53.04	30.22	4.85	23.98	53.04	74.00	PK	PASS
	H	2400.00	42.61	30.22	4.85	23.98	42.61	54.00	AV	PASS
	V	2390.00	53.15	30.22	4.85	23.98	53.15	74.00	PK	PASS
	V	2390.00	42.94	30.22	4.85	23.98	42.94	54.00	AV	PASS
	V	2400.00	53.20	30.22	4.85	23.98	53.20	74.00	PK	PASS
	V	2400.00	42.52	30.22	4.85	23.98	42.52	54.00	AV	PASS
	High Channel 2462MHz									
	H	2483.50	55.65	30.22	4.85	23.98	54.26	74.00	PK	PASS



	H	2485.50	44.97	30.22	4.85	23.98	43.58	54.00	AV	PASS
	H	2500.00	55.26	30.22	4.85	23.98	53.87	74.00	PK	PASS
	H	2500.00	45.53	30.22	4.85	23.98	44.14	54.00	AV	PASS
	V	2483.50	55.17	30.22	4.85	23.98	53.78	74.00	PK	PASS
	V	2485.50	45.77	30.22	4.85	23.98	44.38	54.00	AV	PASS
	V	2500.00	55.12	30.22	4.85	23.98	53.73	74.00	PK	PASS
	V	2500.00	45.66	30.22	4.85	23.98	44.27	54.00	AV	PASS

Remark:

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



6. TEST SETUP PHOTO

Reference to the appendix **Test Setup Photo** for details.

7. EUT CONSTRUCTIONAL DETAILS

Reference to the appendix External Photos & Internal Photos for details.

***** END OF REPORT *****