



TEST REPORT

FCC ID:2AFJI-A4P0AL

Report Number..... : ZKT-240822L10326E-2

Date of Test..... July 23, 2024 to Oct.30, 2024

Date of issue..... : Nov 11, 2024

Total number of pages..... 45

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 : Quantum Creations LLC.

Address : 15705 NW 13th Ave Miami Gardens, FL 33169

Manufacturer's name : QUTHC Limited

Address : 7 Floor C Building, Longsheng Industrial Park, Huiyang District, Huizhou City, Guangdong province (516211) P. R. China

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..... : Mini PC Stick

Trademark : Azulle, Raydiant

Model/Type reference..... : A4P0AL

Ratings..... : Adapter:
Mode:FJ-SW126G1202000N
INPUT:100-240V~50/60Hz 0.6A Max
OUTPUT: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

ReportNo.	Version	Description	Approved
ZKT-240822L10326E-2	Rev.01	Initial issue of report	Oct.11,2024



2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 (15.247) , Subpart C			
Standard Section	Test Item	Result	Remark
FCC part 15.203/15.247 (c)	Antenna requirement	PASS	
FCC part 15.207	AC Power Line Conducted Emission	PASS	
FCC part 15.247 (b)(3)	Conducted Peak Output Power	PASS	
FCC part 15.247 (a)(2)	-6dB Bandwidth& 99% OCB	PASS	
FCC part 15.247 (e)	Power Spectral Density	PASS	
FCC part 15.247(d)	Band Edge	PASS	
FCC part 15.205/15.209	Spurious Emission	PASS	

NOTE:

(1)" N/A" denotes test is not applicable in this Test Report



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 % .

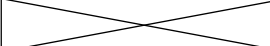
No.	Item	Uncertainty
1	3m chamber Radiated spurious emission(9KHz-30MHz)	U=4.5dB
2	3m chamber Radiated spurious emission(30MHz-1GHz)	U=4.8dB
3	3m chamber Radiated spurious emission(1GHz-6GHz)	U=4.9dB
4	3m chamber Radiated spurious emission(6GHz-40GHz)	U=5.0dB
5	Conducted disturbance	U=3.2dB
6	RF Band 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:	Mini PC Stick
Model No.:	A4P0AL
Hardware Version:	V1.0
Software Version:	V1.0
Test sample(s) ID:	ZKT-240822L10326-1
Channel numbers:	802.11b/802.11g /802.11n(HT20)/ax(HEW20:11 802.11n/ax(HT40):7
Channel separation:	5MHz
Modulation technology:	802.11b: Direct Sequence Spread Spectrum(DSSS) 802.11g/802.11n(H20)/n(H40)/ax(HEW20)/ax(HEW40) Orthogonal Frequency Division Multiplexing(OFDM)
Antenna Type:	MAIN ANT:External Antenna AUX ANT:FPCI Antenna
Antenna gain:	MAIN ANT:2.0dBi AUX ANT:2.0dBi
Power supply:	Adapter: Mode:FJ-SW126G1202000N INPUT:100-240V~50/60Hz 0.6A Max OUTPUT: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/ax (HT20)	802.11n/ax(HT40)
Lowest channel	2412MHz	2422MHz
Middle channel	2437MHz	2437MHz
Highest channel	2462MHz	2452MHz



3.2 DESCRIPTION OF TEST MODES

Transmitting mode	Keep the EUT in continuously transmitting mode
Remark: During the test,the dutycycle >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.	

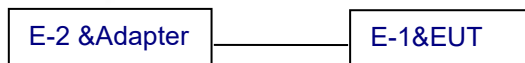
We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:			
Pre-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.			
802.11b	802.11g	802.11n(HT20)	802.11n(HT40)
1Mbps	6Mbps	65Mbps	135Mbps

Test Software	-
Powerlevelsetup	Default

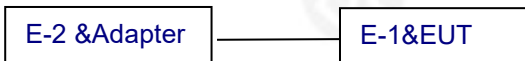


3.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

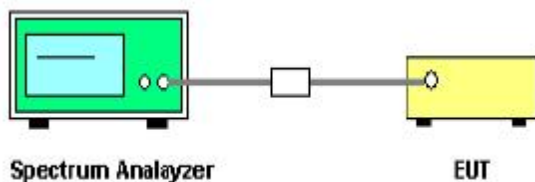
Conducted Emission



Radiated Emission



Conducted Spurious



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	Mini PC Stick	Azulle, Raydiant	A4P0AL	N/A	EUT
E-2	Power adapter	FJ	FJ-SW126G1202000N	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, 2023	Nov. 12, 2024
5	Horn Antenna (1GHz-18GHz)	Agilent	AH-118	071145	N/A	Nov. 13, 2023	Nov. 12, 2024
6	Horn Antenna (15GHz-40GHz)	A.H.System	SAS-574	588	N/A	Nov. 13, 2023	Nov. 12, 2024
7	Loop Antenna	TESEQ	HLA6121	58357	N/A	Nov. 16, 2023	Nov. 15, 2024
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, 2023	Nov. 15, 2024
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	\	\
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, 2023	Nov. 13, 2024
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, 2023	Nov. 06, 2024
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

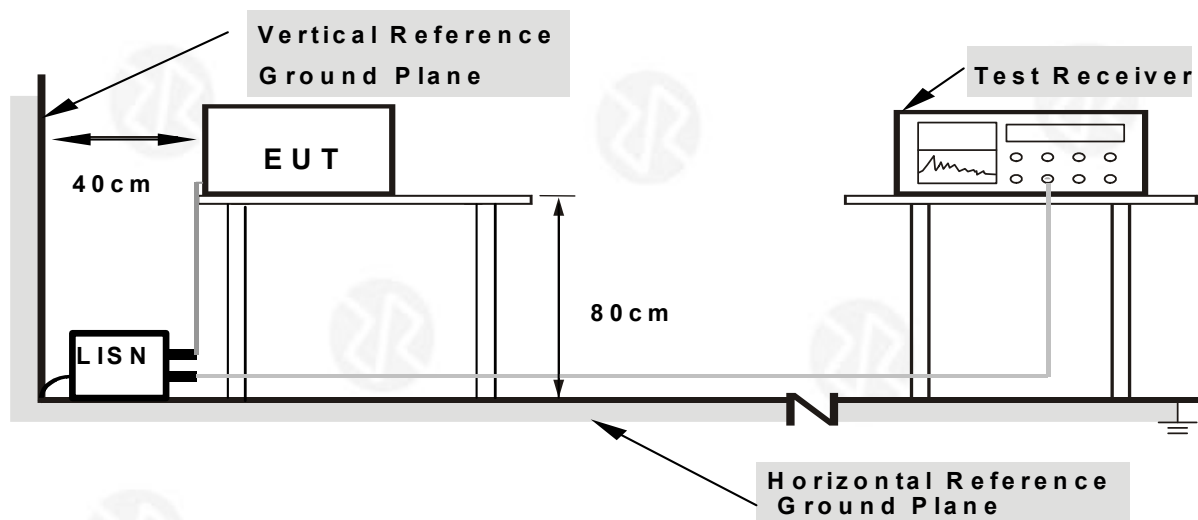
- The EUT was placed 0.1 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- 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.

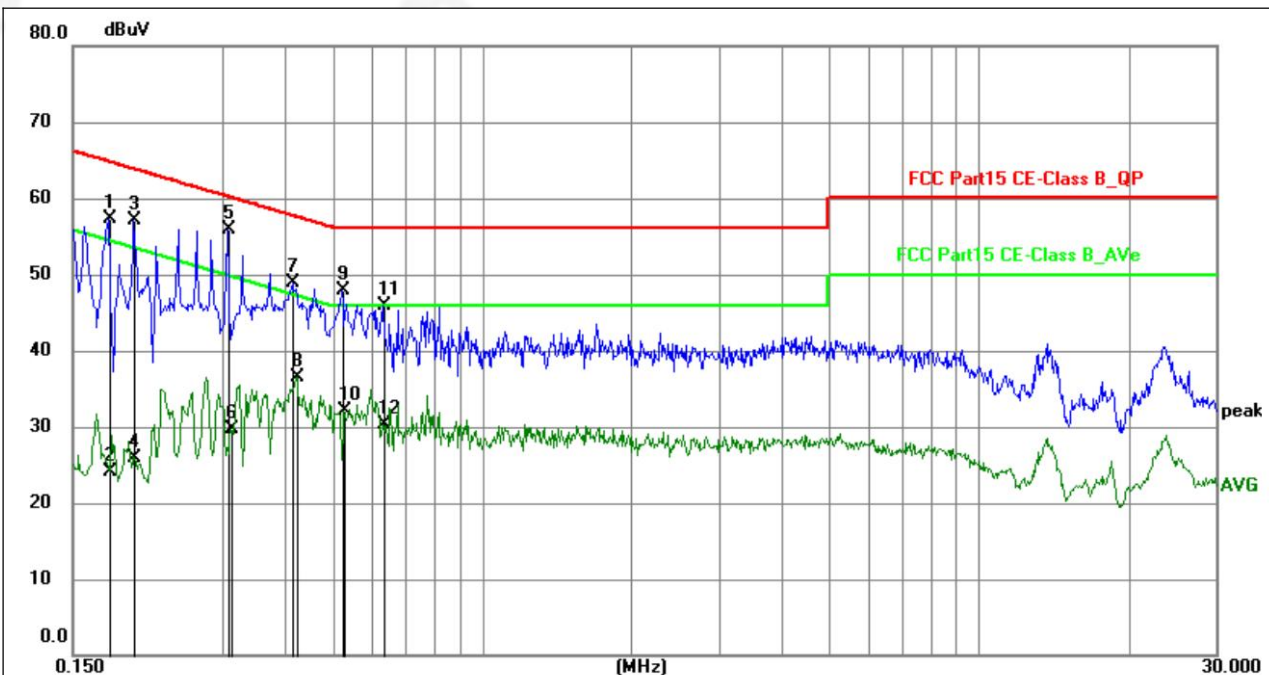
We pretest AC 120V and AC 230V, the worst voltage was AC 120V and the data recording in the report.



4.1.6 TEST RESULT

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

Note: Pre-scan all modes and recorded the worst case results in this report which is 802.11b mode.



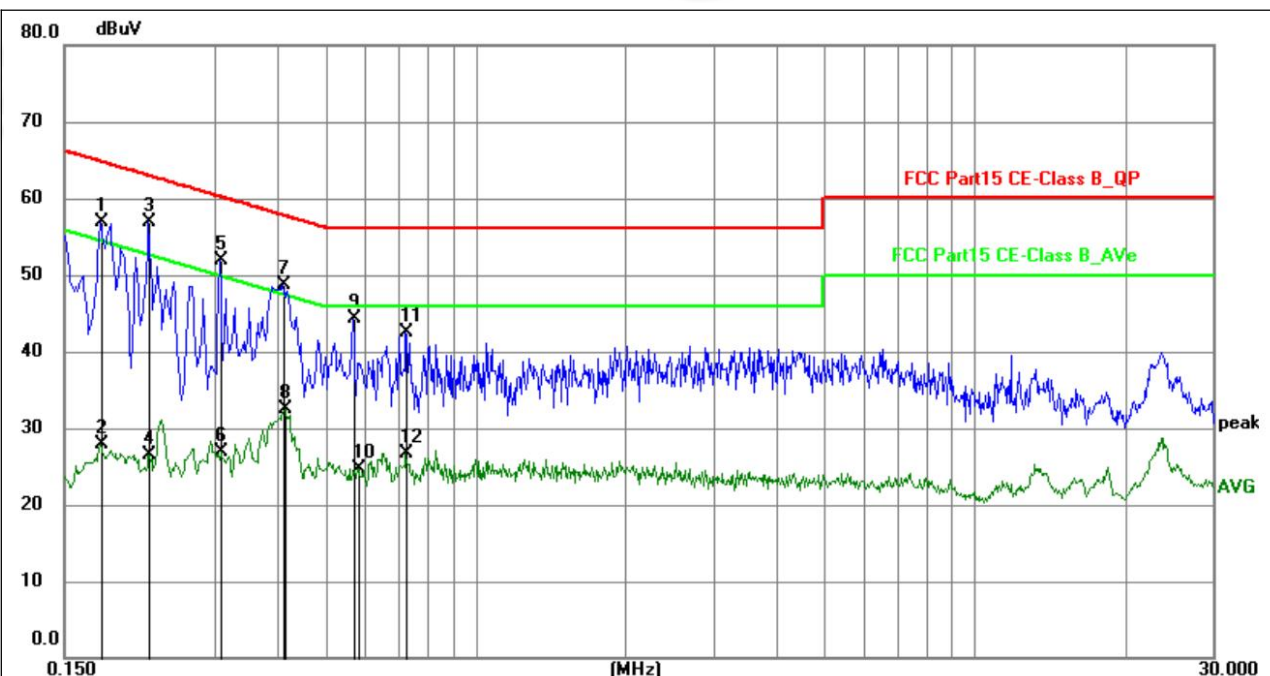
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1768	36.77	20.52	57.29	64.63	-7.34	QP	P
2	0.1776	3.62	20.52	24.14	54.60	-30.46	AVG	P
3	0.1995	36.55	20.62	57.17	63.63	-6.46	QP	P
4	0.1995	5.26	20.62	25.88	53.63	-27.75	AVG	P
5	0.3074	35.35	20.59	55.94	60.04	-4.10	QP	P
6	0.3119	9.03	20.59	29.62	49.92	-20.30	AVG	P
7	0.4153	28.40	20.58	48.98	57.54	-8.56	QP	P
8	0.4243	15.95	20.58	36.53	47.36	-10.83	AVG	P
9	0.5231	27.38	20.56	47.94	56.00	-8.06	QP	P
10	0.5279	11.46	20.56	32.02	46.00	-13.98	AVG	P
11	0.6312	25.43	20.56	45.99	56.00	-10.01	QP	P
12	0.6312	9.84	20.56	30.40	46.00	-15.60	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°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	0.1768	36.33	20.50	56.83	64.63	-7.80	QP	P
2	0.1768	7.38	20.50	27.88	54.63	-26.75	AVG	P
3	0.2220	36.37	20.59	56.96	62.74	-5.78	QP	P
4	0.2220	5.87	20.59	26.46	52.74	-26.28	AVG	P
5	0.3074	31.27	20.57	51.84	60.04	-8.20	QP	P
6	0.3082	6.25	20.57	26.82	50.02	-23.20	AVG	P
7	0.4109	28.16	20.55	48.71	57.63	-8.92	QP	P
8	0.4154	11.91	20.55	32.46	47.54	-15.08	AVG	P
9	0.5684	23.84	20.54	44.38	56.00	-11.62	QP	P
10	0.5818	4.25	20.54	24.79	46.00	-21.21	AVG	P
11	0.7258	21.91	20.54	42.45	56.00	-13.55	QP	P
12	0.7258	6.21	20.54	26.75	46.00	-19.25	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



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:

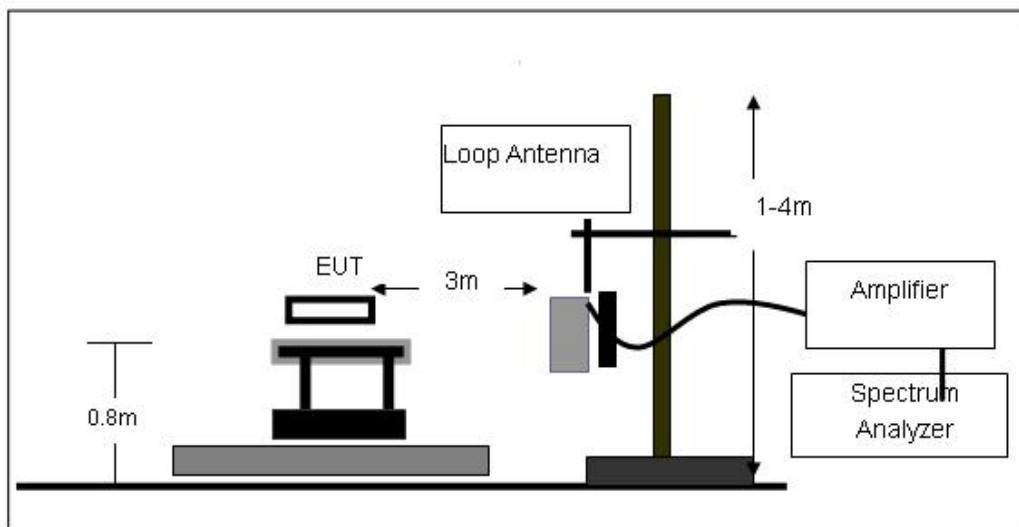
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

4.2.3 DEVIATION FROM TEST STANDARD

No deviation

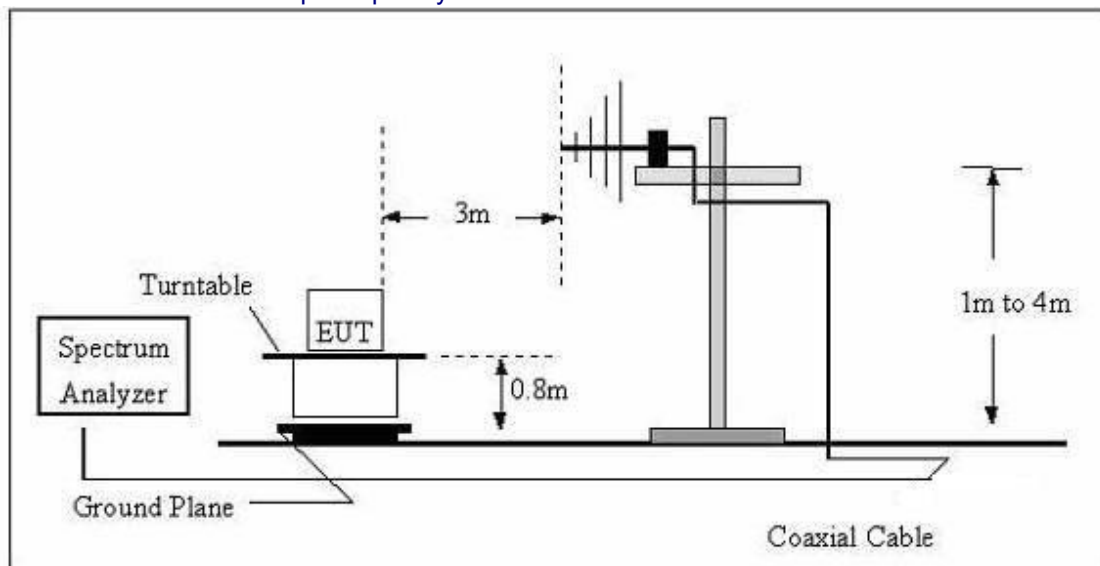
4.2.4 TEST SETUP

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

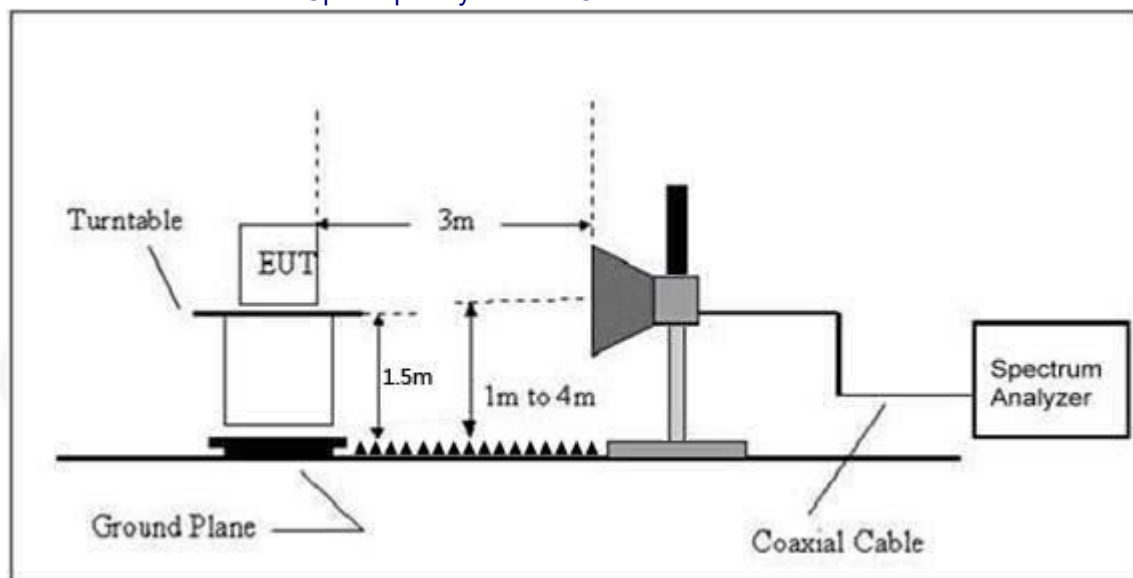




(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(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

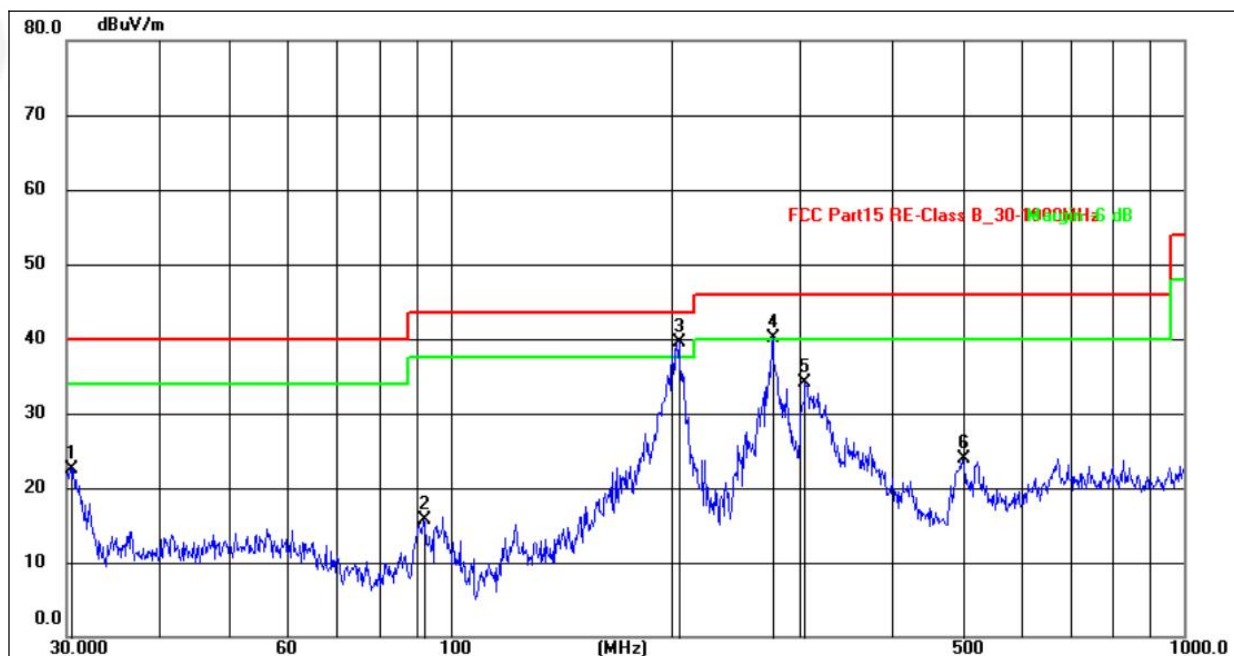
The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o) & RSS-Gen 6.13, the test result no need to reported.



Between 30MHz – 1GHz

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

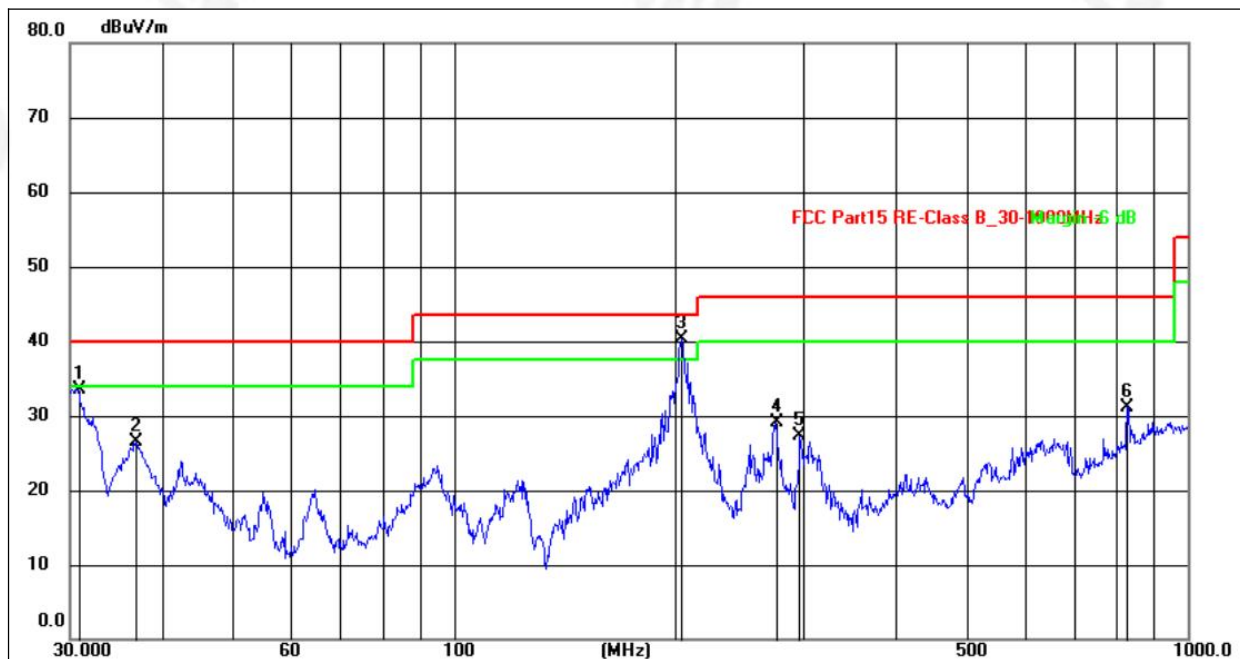
Note: Pre-scan all modes and recorded the worst case results in this report which is 802.11b mode.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.3173	36.78	-14.27	22.51	40.00	-17.49	QP
2	91.8163	35.79	-20.13	15.66	43.50	-27.84	QP
3	204.9551	58.15	-18.55	39.60	43.50	-3.90	QP
4	275.1570	54.73	-14.64	40.09	46.00	-5.91	QP
5	304.6099	51.12	-16.96	34.16	46.00	-11.84	QP
6	499.4247	35.51	-11.65	23.86	46.00	-22.14	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	30.7455	51.89	-18.31	33.58	40.00	-6.42	QP
2	36.8953	43.87	-17.32	26.55	40.00	-13.45	QP
3	204.2377	61.03	-20.63	40.40	43.50	-3.10	QP
4	274.1939	48.18	-19.15	29.03	46.00	-16.97	QP
5	296.1836	45.70	-18.45	27.25	46.00	-18.75	QP
6	827.4934	33.94	-2.80	31.14	46.00	-14.86	QP

Notes:

1. The EUT was test at 3m in field chamber.
2. Final Level =Receiver Read level +Antenna Factor
3. The emission levels of other frequencies are very lower than the limit and not show in test report.



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	48.28	30.55	5.77	24.66	48.16	74.00	-25.84	PK
V	4824.00	40.16	30.55	5.77	24.66	40.04	54.00	-13.96	AV
V	7236.00	49.09	30.33	6.32	24.55	49.63	74.00	-24.37	PK
V	7236.00	40.16	30.33	6.32	24.55	40.70	54.00	-13.30	AV
V	9648.00	47.36	30.85	7.45	24.69	48.65	74.00	-25.35	PK
V	9648.00	40.46	30.85	7.45	24.69	41.75	54.00	-12.25	AV
V	12060.00	51.48	31.02	8.99	25.57	55.02	74.00	-18.98	PK
V	12060.00	40.02	31.02	8.99	25.57	43.56	54.00	-10.44	AV
H	4824.00	51.47	30.55	5.77	24.66	51.35	74.00	-22.65	PK
H	4824.00	39.89	30.55	5.77	24.66	39.77	54.00	-14.23	AV
H	7236.00	51.41	30.33	6.32	24.55	51.95	74.00	-22.05	PK
H	7236.00	40.27	30.33	6.32	24.55	40.81	54.00	-13.19	AV
H	9648.00	49.52	30.85	7.45	24.69	50.81	74.00	-23.19	PK
H	9648.00	40.18	30.85	7.45	24.69	41.47	54.00	-12.53	AV
H	12060.00	51.02	31.02	8.99	25.57	54.56	74.00	-19.44	PK
H	12060.00	40.25	31.02	8.99	25.57	43.79	54.00	-10.21	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	46.72	30.55	5.77	24.66	46.60	74.00	-27.40	PK
V	4874.00	40.00	30.55	5.77	24.66	39.88	54.00	-14.12	AV
V	7311.00	47.34	30.33	6.32	24.55	47.88	74.00	-26.12	PK
V	7311.00	39.81	30.33	6.32	24.55	40.35	54.00	-13.65	AV
V	9748.00	49.17	30.85	7.45	24.69	50.46	74.00	-23.54	PK
V	9748.00	40.62	30.85	7.45	24.69	41.91	54.00	-12.09	AV
V	12185.00	48.05	31.02	8.99	25.57	51.59	74.00	-22.41	PK
V	12185.00	40.69	31.02	8.99	25.57	44.23	54.00	-9.77	AV
H	4874.00	47.18	30.55	5.77	24.66	47.06	74.00	-26.94	PK
H	4874.00	40.33	30.55	5.77	24.66	40.21	54.00	-13.79	AV
H	7311.00	49.00	30.33	6.32	24.55	49.54	74.00	-24.46	PK
H	7311.00	40.45	30.33	6.32	24.55	40.99	54.00	-13.01	AV
H	9748.00	48.45	30.85	7.45	24.69	49.74	74.00	-24.26	PK
H	9748.00	40.15	30.85	7.45	24.69	41.44	54.00	-12.56	AV
H	12185.00	48.99	31.02	8.99	25.57	52.53	74.00	-21.47	PK
H	12185.00	39.81	31.02	8.99	25.57	43.35	54.00	-10.65	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	49.29	30.55	5.77	24.66	49.17	74.00	-24.83	PK
V	4924.00	40.25	30.55	5.77	24.66	40.13	54.00	-13.87	AV
V	7386.00	49.58	30.33	6.32	24.55	50.12	74.00	-23.88	PK
V	7386.00	39.79	30.33	6.32	24.55	40.33	54.00	-13.67	AV
V	9848.00	49.04	30.85	7.45	24.69	50.33	74.00	-23.67	PK
V	9848.00	40.21	30.85	7.45	24.69	41.50	54.00	-12.50	AV
V	12310.00	48.64	31.02	8.99	25.57	52.18	74.00	-21.82	PK
V	12310.00	40.13	31.02	8.99	25.57	43.67	54.00	-10.33	AV
H	4924.00	51.06	30.55	5.77	24.66	50.94	74.00	-23.06	PK
H	4924.00	40.34	30.55	5.77	24.66	40.22	54.00	-13.78	AV
H	7386.00	47.42	30.33	6.32	24.55	47.96	74.00	-26.04	PK
H	7386.00	39.77	30.33	6.32	24.55	40.31	54.00	-13.69	AV
H	9848.00	48.78	30.85	7.45	24.69	50.07	74.00	-23.93	PK
H	9848.00	40.58	30.85	7.45	24.69	41.87	54.00	-12.13	AV
H	12310.00	50.05	31.02	8.99	25.57	53.59	74.00	-20.41	PK
H	12310.00	40.46	31.02	8.99	25.57	44.00	54.00	-10.00	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.



802.11g

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	50.42	30.55	5.77	24.66	50.3	74.00	-23.7	PK
V	4824.00	40.59	30.55	5.77	24.66	40.47	54.00	-13.53	AV
V	7236.00	48.53	30.33	6.32	24.55	49.07	74.00	-24.93	PK
V	7236.00	40.58	30.33	6.32	24.55	41.12	54.00	-12.88	AV
V	9648.00	48.78	30.85	7.45	24.69	50.07	74.00	-23.93	PK
V	9648.00	40.39	30.85	7.45	24.69	41.68	54.00	-12.32	AV
V	12060.00	51.12	31.02	8.99	25.57	54.66	74.00	-19.34	PK
V	12060.00	40.42	31.02	8.99	25.57	43.96	54.00	-10.04	AV
H	4824.00	49.03	30.55	5.77	24.66	48.91	74.00	-25.09	PK
H	4824.00	40.64	30.55	5.77	24.66	40.52	54.00	-13.48	AV
H	7236.00	47.04	30.33	6.32	24.55	47.58	74.00	-26.42	PK
H	7236.00	40.44	30.33	6.32	24.55	40.98	54.00	-13.02	AV
H	9648.00	49.16	30.85	7.45	24.69	50.45	74.00	-23.55	PK
H	9648.00	40.38	30.85	7.45	24.69	41.67	54.00	-12.33	AV
H	12060.00	51.52	31.02	8.99	25.57	55.06	74.00	-18.94	PK
H	12060.00	39.69	31.02	8.99	25.57	43.23	54.00	-10.77	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	49.98	30.55	5.77	24.66	49.86	74.00	-24.14	PK
V	4874.00	39.74	30.55	5.77	24.66	39.62	54.00	-14.38	AV
V	7311.00	47.12	30.33	6.32	24.55	47.66	74.00	-26.34	PK
V	7311.00	39.84	30.33	6.32	24.55	40.38	54.00	-13.62	AV
V	9748.00	49.15	30.85	7.45	24.69	50.44	74.00	-23.56	PK
V	9748.00	40.19	30.85	7.45	24.69	41.48	54.00	-12.52	AV
V	12185.00	47.54	31.02	8.99	25.57	51.08	74.00	-22.92	PK
V	12185.00	40.14	31.02	8.99	25.57	43.68	54.00	-10.32	AV
H	4874.00	50.07	30.55	5.77	24.66	49.95	74.00	-24.05	PK
H	4874.00	40.42	30.55	5.77	24.66	40.30	54.00	-13.70	AV
H	7311.00	48.36	30.33	6.32	24.55	48.90	74.00	-25.10	PK
H	7311.00	39.93	30.33	6.32	24.55	40.47	54.00	-13.53	AV
H	9748.00	50.24	30.85	7.45	24.69	51.53	74.00	-22.47	PK
H	9748.00	40.3	30.85	7.45	24.69	41.59	54.00	-12.41	AV
H	12185.00	51.37	31.02	8.99	25.57	54.91	74.00	-19.09	PK
H	12185.00	40.10	31.02	8.99	25.57	43.64	54.00	-10.36	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	49.63	30.55	5.77	24.66	49.51	74.00	-24.49	PK
V	4924.00	39.76	30.55	5.77	24.66	39.64	54.00	-14.36	AV
V	7386.00	50.85	30.33	6.32	24.55	51.39	74.00	-22.61	PK
V	7386.00	39.88	30.33	6.32	24.55	40.42	54.00	-13.58	AV
V	9848.00	50.53	30.85	7.45	24.69	51.82	74.00	-22.18	PK
V	9848.00	39.72	30.85	7.45	24.69	41.01	54.00	-12.99	AV
V	12310.00	46.93	31.02	8.99	25.57	50.47	74.00	-23.53	PK
V	12310.00	39.75	31.02	8.99	25.57	43.29	54.00	-10.71	AV
H	4924.00	49.82	30.55	5.77	24.66	49.70	74.00	-24.30	PK
H	4924.00	40.42	30.55	5.77	24.66	40.30	54.00	-13.70	AV
H	7386.00	47.21	30.33	6.32	24.55	47.75	74.00	-26.25	PK
H	7386.00	39.70	30.33	6.32	24.55	40.24	54.00	-13.76	AV
H	9848.00	50.11	30.85	7.45	24.69	51.4	74.00	-22.60	PK
H	9848.00	39.93	30.85	7.45	24.69	41.22	54.00	-12.78	AV
H	12310.00	50.99	31.02	8.99	25.57	54.53	74.00	-19.47	PK
H	12310.00	40.49	31.02	8.99	25.57	44.03	54.00	-9.97	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	50.88	30.55	5.77	24.66	50.76	74.00	-23.24	PK
V	4824.00	39.85	30.55	5.77	24.66	39.73	54.00	-14.27	AV
V	7236.00	48.37	30.33	6.32	24.55	48.91	74.00	-25.09	PK
V	7236.00	40.29	30.33	6.32	24.55	40.83	54.00	-13.17	AV
V	9648.00	47.20	30.85	7.45	24.69	48.49	74.00	-25.51	PK
V	9648.00	40.62	30.85	7.45	24.69	41.91	54.00	-12.09	AV
V	12060.00	47.36	31.02	8.99	25.57	50.90	74.00	-23.10	PK
V	12060.00	40.09	31.02	8.99	25.57	43.63	54.00	-10.37	AV
H	4824.00	49.97	30.55	5.77	24.66	49.85	74.00	-24.15	PK
H	4824.00	39.7	30.55	5.77	24.66	39.58	54.00	-14.42	AV
H	7236.00	49.72	30.33	6.32	24.55	50.26	74.00	-23.74	PK
H	7236.00	39.71	30.33	6.32	24.55	40.25	54.00	-13.75	AV
H	9648.00	48.4	30.85	7.45	24.69	49.69	74.00	-24.31	PK
H	9648.00	40.4	30.85	7.45	24.69	41.69	54.00	-12.31	AV
H	12060.00	48.89	31.02	8.99	25.57	52.43	74.00	-21.57	PK
H	12060.00	40.50	31.02	8.99	25.57	44.04	54.00	-9.96	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	49.52	30.55	5.77	24.66	49.40	74.00	-24.60	PK
V	4874.00	40.36	30.55	5.77	24.66	40.24	54.00	-13.76	AV
V	7311.00	47.83	30.33	6.32	24.55	48.37	74.00	-25.63	PK
V	7311.00	40.25	30.33	6.32	24.55	40.79	54.00	-13.21	AV
V	9748.00	47.31	30.85	7.45	24.69	48.60	74.00	-25.40	PK
V	9748.00	40.53	30.85	7.45	24.69	41.82	54.00	-12.18	AV
V	12185.00	51.00	31.02	8.99	25.57	54.54	74.00	-19.46	PK
V	12185.00	40.13	31.02	8.99	25.57	43.67	54.00	-10.33	AV
H	4874.00	49.07	30.55	5.77	24.66	48.95	74.00	-25.05	PK
H	4874.00	40.22	30.55	5.77	24.66	40.10	54.00	-13.90	AV
H	7311.00	49.42	30.33	6.32	24.55	49.96	74.00	-24.04	PK
H	7311.00	40.34	30.33	6.32	24.55	40.88	54.00	-13.12	AV
H	9748.00	50.92	30.85	7.45	24.69	52.21	74.00	-21.79	PK
H	9748.00	40.41	30.85	7.45	24.69	41.70	54.00	-12.30	AV
H	12185.00	47.01	31.02	8.99	25.57	50.55	74.00	-23.45	PK
H	12185.00	39.85	31.02	8.99	25.57	43.39	54.00	-10.61	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	50.89	30.55	5.77	24.66	50.77	74.00	-23.23	PK
V	4924.00	40.40	30.55	5.77	24.66	40.28	54.00	-13.72	AV
V	7386.00	50.47	30.33	6.32	24.55	51.01	74.00	-22.99	PK
V	7386.00	40.23	30.33	6.32	24.55	40.77	54.00	-13.23	AV
V	9848.00	50.61	30.85	7.45	24.69	51.90	74.00	-22.10	PK
V	9848.00	40.49	30.85	7.45	24.69	41.78	54.00	-12.22	AV
V	12310.00	50.39	31.02	8.99	25.57	53.93	74.00	-20.07	PK
V	12310.00	40.15	31.02	8.99	25.57	43.69	54.00	-10.31	AV
H	4924.00	47.28	30.55	5.77	24.66	47.16	74.00	-26.84	PK
H	4924.00	40.55	30.55	5.77	24.66	40.43	54.00	-13.57	AV
H	7386.00	47.06	30.33	6.32	24.55	47.60	74.00	-26.40	PK
H	7386.00	39.95	30.33	6.32	24.55	40.49	54.00	-13.51	AV
H	9848.00	49.68	30.85	7.45	24.69	50.97	74.00	-23.03	PK
H	9848.00	40.68	30.85	7.45	24.69	41.97	54.00	-12.03	AV
H	12310.00	51.45	31.02	8.99	25.57	54.99	74.00	-19.01	PK
H	12310.00	40.20	31.02	8.99	25.57	43.74	54.00	-10.26	AV



802.11n40

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:2422MHz									
V	4844.00	49.84	30.55	5.77	24.66	49.72	74.00	-24.28	PK
V	4844.00	38.81	30.55	5.77	24.66	38.69	54.00	-15.31	AV
V	7266.00	47.33	30.33	6.32	24.55	47.87	74.00	-26.13	PK
V	7266.00	39.25	30.33	6.32	24.55	39.79	54.00	-14.21	AV
V	9688.00	46.16	30.85	7.45	24.69	47.45	74.00	-26.55	PK
V	9688.00	39.58	30.85	7.45	24.69	40.87	54.00	-13.13	AV
V	12110.00	46.32	31.02	8.99	25.57	49.86	74.00	-24.14	PK
V	12110.00	39.05	31.02	8.99	25.57	42.59	54.00	-11.41	AV
H	4844.00	48.93	30.55	5.77	24.66	48.81	74.00	-25.19	PK
H	4844.00	38.66	30.55	5.77	24.66	38.54	54.00	-15.46	AV
H	7266.00	48.68	30.33	6.32	24.55	49.22	74.00	-24.78	PK
H	7266.00	38.67	30.33	6.32	24.55	39.21	54.00	-14.79	AV
H	9688.00	47.36	30.85	7.45	24.69	48.65	74.00	-25.35	PK
H	9688.00	39.36	30.85	7.45	24.69	40.65	54.00	-13.35	AV
H	12110.00	47.85	31.02	8.99	25.57	51.39	74.00	-22.61	PK
H	12110.00	39.46	31.02	8.99	25.57	43.00	54.00	-11.00	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	4904.00	47.44	30.55	5.77	24.66	47.32	74.00	-26.68	PK
V	4904.00	38.28	30.55	5.77	24.66	38.16	54.00	-15.84	AV
V	7356.00	45.75	30.33	6.32	24.55	46.29	74.00	-27.71	PK
V	7311.00	38.17	30.33	6.32	24.55	38.71	54.00	-15.29	AV
V	9808.00	45.23	30.85	7.45	24.69	46.52	74.00	-27.48	PK
V	9808.00	38.45	30.85	7.45	24.69	39.74	54.00	-14.26	AV
V	12260.00	48.92	31.02	8.99	25.57	52.46	74.00	-21.54	PK
V	12260.00	38.05	31.02	8.99	25.57	41.59	54.00	-12.41	AV
H	4904.00	46.99	30.55	5.77	24.66	46.87	74.00	-27.13	PK
H	4904.00	38.14	30.55	5.77	24.66	38.02	54.00	-15.98	AV
H	7356.00	47.34	30.33	6.32	24.55	47.88	74.00	-26.12	PK
H	7311.00	38.26	30.33	6.32	24.55	38.80	54.00	-15.20	AV
H	9808.00	48.84	30.85	7.45	24.69	50.13	74.00	-23.87	PK
H	9808.00	38.33	30.85	7.45	24.69	39.62	54.00	-14.38	AV
H	12260.00	44.93	31.02	8.99	25.57	48.47	74.00	-25.53	PK
H	12260.00	37.77	31.02	8.99	25.57	41.31	54.00	-12.69	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:2452MHz									
V	4924.00	50.89	30.55	5.77	24.66	50.77	74.00	-23.23	PK
V	4924.00	40.4	30.55	5.77	24.66	40.28	54.00	-13.72	AV
V	7386.00	50.47	30.33	6.32	24.55	51.01	74.00	-22.99	PK
V	7386.00	40.23	30.33	6.32	24.55	40.77	54.00	-13.23	AV
V	9848.00	50.61	30.85	7.45	24.69	51.9	74.00	-22.10	PK
V	9848.00	40.49	30.85	7.45	24.69	41.78	54.00	-12.22	AV
V	12310.00	50.39	31.02	8.99	25.57	53.93	74.00	-20.07	PK
V	12310.00	40.15	31.02	8.99	25.57	43.69	54.00	-10.31	AV
H	4924.00	47.28	30.55	5.77	24.66	47.16	74.00	-26.84	PK
H	4924.00	40.55	30.55	5.77	24.66	40.43	54.00	-13.57	AV
H	7386.00	47.06	30.33	6.32	24.55	47.60	74.00	-26.40	PK
H	7386.00	39.95	30.33	6.32	24.55	40.49	54.00	-13.51	AV
H	9848.00	49.68	30.85	7.45	24.69	50.97	74.00	-23.03	PK
H	9848.00	40.68	30.85	7.45	24.69	41.97	54.00	-12.03	AV
H	12310.00	51.45	31.02	8.99	25.57	54.99	74.00	-19.01	PK
H	12310.00	40.20	31.02	8.99	25.57	43.74	54.00	-10.26	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)	
Low Channel:2412MHz									
V	4824.00	51.39	30.55	5.77	24.66	51.27	74.00	-22.73	PK
V	4824.00	40.36	30.55	5.77	24.66	40.24	54.00	-13.76	AV
V	7236.00	48.88	30.33	6.32	24.55	49.42	74.00	-24.58	PK
V	7236.00	40.80	30.33	6.32	24.55	41.34	54.00	-12.66	AV
V	9648.00	47.71	30.85	7.45	24.69	49.00	74.00	-25.00	PK
V	9648.00	41.13	30.85	7.45	24.69	42.42	54.00	-11.58	AV
V	12060.00	47.87	31.02	8.99	25.57	51.41	74.00	-22.59	PK
V	12060.00	40.60	31.02	8.99	25.57	44.14	54.00	-9.86	AV
H	4824.00	50.48	30.55	5.77	24.66	50.36	74.00	-23.64	PK
H	4824.00	40.21	30.55	5.77	24.66	40.09	54.00	-13.91	AV
H	7236.00	50.23	30.33	6.32	24.55	50.77	74.00	-23.23	PK
H	7236.00	40.22	30.33	6.32	24.55	40.76	54.00	-13.24	AV
H	9648.00	48.91	30.85	7.45	24.69	50.20	74.00	-23.80	PK
H	9648.00	40.91	30.85	7.45	24.69	42.20	54.00	-11.80	AV
H	12060.00	49.40	31.02	8.99	25.57	52.94	74.00	-21.06	PK
H	12060.00	41.01	31.02	8.99	25.57	44.55	54.00	-9.45	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	50.03	30.55	5.77	24.66	49.91	74.00	-24.09	PK
V	4874.00	40.87	30.55	5.77	24.66	40.75	54.00	-13.25	AV
V	7311.00	48.34	30.33	6.32	24.55	48.88	74.00	-25.12	PK
V	7311.00	40.76	30.33	6.32	24.55	41.30	54.00	-12.70	AV
V	9748.00	47.82	30.85	7.45	24.69	49.11	74.00	-24.89	PK
V	9748.00	41.04	30.85	7.45	24.69	42.33	54.00	-11.67	AV
V	12185.00	51.51	31.02	8.99	25.57	55.05	74.00	-18.95	PK
V	12185.00	40.64	31.02	8.99	25.57	44.18	54.00	-9.82	AV
H	4874.00	49.58	30.55	5.77	24.66	49.46	74.00	-24.54	PK
H	4874.00	40.73	30.55	5.77	24.66	40.61	54.00	-13.39	AV
H	7311.00	49.93	30.33	6.32	24.55	50.47	74.00	-23.53	PK
H	7311.00	40.85	30.33	6.32	24.55	41.39	54.00	-12.61	AV
H	9748.00	51.43	30.85	7.45	24.69	52.72	74.00	-21.28	PK
H	9748.00	40.92	30.85	7.45	24.69	42.21	54.00	-11.79	AV
H	12185.00	47.52	31.02	8.99	25.57	51.06	74.00	-22.94	PK
H	12185.00	40.36	31.02	8.99	25.57	43.90	54.00	-10.10	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	51.40	30.55	5.77	24.66	51.28	74.00	-22.72	PK
V	4924.00	40.91	30.55	5.77	24.66	40.79	54.00	-13.21	AV
V	7386.00	50.98	30.33	6.32	24.55	51.52	74.00	-22.48	PK
V	7386.00	40.74	30.33	6.32	24.55	41.28	54.00	-12.72	AV
V	9848.00	51.12	30.85	7.45	24.69	52.41	74.00	-21.59	PK
V	9848.00	41.00	30.85	7.45	24.69	42.29	54.00	-11.71	AV
V	12310.00	50.90	31.02	8.99	25.57	54.44	74.00	-19.56	PK
V	12310.00	40.66	31.02	8.99	25.57	44.20	54.00	-9.80	AV
H	4924.00	47.79	30.55	5.77	24.66	47.67	74.00	-26.33	PK
H	4924.00	41.06	30.55	5.77	24.66	40.94	54.00	-13.06	AV
H	7386.00	47.57	30.33	6.32	24.55	48.11	74.00	-25.89	PK
H	7386.00	40.46	30.33	6.32	24.55	41.00	54.00	-13.00	AV
H	9848.00	50.19	30.85	7.45	24.69	51.48	74.00	-22.52	PK
H	9848.00	41.19	30.85	7.45	24.69	42.48	54.00	-11.52	AV
H	12310.00	51.96	31.02	8.99	25.57	55.50	74.00	-18.50	PK
H	12310.00	40.71	31.02	8.99	25.57	44.25	54.00	-9.75	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)	
Low Channel:2422MHz									
V	4844.00	50.35	30.55	5.77	24.66	50.23	74.00	-23.77	PK
V	4844.00	39.32	30.55	5.77	24.66	39.20	54.00	-14.80	AV
V	7266.00	47.84	30.33	6.32	24.55	48.38	74.00	-25.62	PK
V	7266.00	39.76	30.33	6.32	24.55	40.30	54.00	-13.70	AV
V	9688.00	46.67	30.85	7.45	24.69	47.96	74.00	-26.04	PK
V	9688.00	40.09	30.85	7.45	24.69	41.38	54.00	-12.62	AV
V	12110.00	46.83	31.02	8.99	25.57	50.37	74.00	-23.63	PK
V	12110.00	39.56	31.02	8.99	25.57	43.10	54.00	-10.90	AV
H	4844.00	49.44	30.55	5.77	24.66	49.32	74.00	-24.68	PK
H	4844.00	39.17	30.55	5.77	24.66	39.05	54.00	-14.95	AV
H	7266.00	49.19	30.33	6.32	24.55	49.73	74.00	-24.27	PK
H	7266.00	39.18	30.33	6.32	24.55	39.72	54.00	-14.28	AV
H	9688.00	47.87	30.85	7.45	24.69	49.16	74.00	-24.84	PK
H	9688.00	39.87	30.85	7.45	24.69	41.16	54.00	-12.84	AV
H	12110.00	48.36	31.02	8.99	25.57	51.90	74.00	-22.10	PK
H	12110.00	39.97	31.02	8.99	25.57	43.51	54.00	-10.49	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	4904.00	47.95	30.55	5.77	24.66	47.83	74.00	-26.17	PK
V	4904.00	38.79	30.55	5.77	24.66	38.67	54.00	-15.33	AV
V	7356.00	46.26	30.33	6.32	24.55	46.80	74.00	-27.20	PK
V	7311.00	38.68	30.33	6.32	24.55	39.22	54.00	-14.78	AV
V	9808.00	45.74	30.85	7.45	24.69	47.03	74.00	-26.97	PK
V	9808.00	38.96	30.85	7.45	24.69	40.25	54.00	-13.75	AV
V	12260.00	49.43	31.02	8.99	25.57	52.97	74.00	-21.03	PK
V	12260.00	38.56	31.02	8.99	25.57	42.10	54.00	-11.90	AV
H	4904.00	47.5	30.55	5.77	24.66	47.38	74.00	-26.62	PK
H	4904.00	38.65	30.55	5.77	24.66	38.53	54.00	-15.47	AV
H	7356.00	47.85	30.33	6.32	24.55	48.39	74.00	-25.61	PK
H	7311.00	38.77	30.33	6.32	24.55	39.31	54.00	-14.69	AV
H	9808.00	49.35	30.85	7.45	24.69	50.64	74.00	-23.36	PK
H	9808.00	38.84	30.85	7.45	24.69	40.13	54.00	-13.87	AV
H	12260.00	45.44	31.02	8.99	25.57	48.98	74.00	-25.02	PK
H	12260.00	38.28	31.02	8.99	25.57	41.82	54.00	-12.18	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:2452MHz									
V	4924.00	51.4	30.55	5.77	24.66	51.28	74.00	-22.72	PK
V	4924.00	40.91	30.55	5.77	24.66	40.79	54.00	-13.21	AV
V	7386.00	50.98	30.33	6.32	24.55	51.52	74.00	-22.48	PK
V	7386.00	40.74	30.33	6.32	24.55	41.28	54.00	-12.72	AV
V	9848.00	51.12	30.85	7.45	24.69	52.41	74.00	-21.59	PK
V	9848.00	41.00	30.85	7.45	24.69	42.29	54.00	-11.71	AV
V	12310.00	50.9	31.02	8.99	25.57	54.44	74.00	-19.56	PK
V	12310.00	40.66	31.02	8.99	25.57	44.20	54.00	-9.80	AV
H	4924.00	47.79	30.55	5.77	24.66	47.67	74.00	-26.33	PK
H	4924.00	41.06	30.55	5.77	24.66	40.94	54.00	-13.06	AV
H	7386.00	47.57	30.33	6.32	24.55	48.11	74.00	-25.89	PK
H	7386.00	40.46	30.33	6.32	24.55	41.00	54.00	-13.00	AV
H	9848.00	50.19	30.85	7.45	24.69	51.48	74.00	-22.52	PK
H	9848.00	41.19	30.85	7.45	24.69	42.48	54.00	-11.52	AV
H	12310.00	51.96	31.02	8.99	25.57	55.50	74.00	-18.50	PK
H	12310.00	40.71	31.02	8.99	25.57	44.25	54.00	-9.75	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

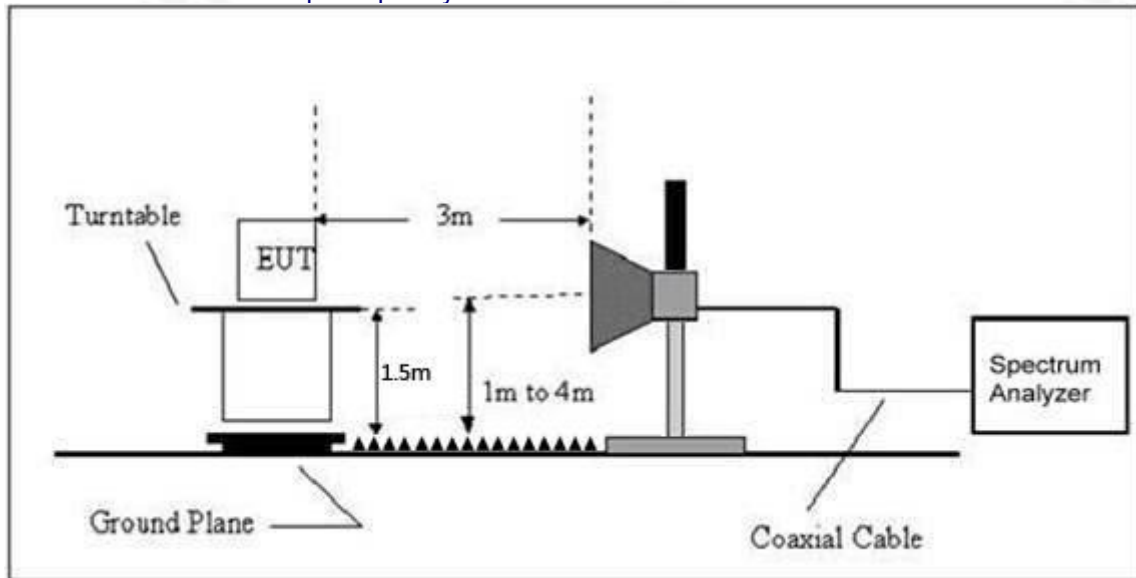
5.3 DEVIATION FROM TEST STANDARD

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

	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	52.45	30.22	4.85	23.98	51.06	74.00	PK	PASS
	H	2390.00	42.91	30.22	4.85	23.98	41.52	54.00	AV	PASS
	H	2400.00	51.89	30.22	4.85	23.98	50.50	74.00	PK	PASS
	H	2400.00	42.74	30.22	4.85	23.98	41.35	54.00	AV	PASS
	V	2390.00	52.66	30.22	4.85	23.98	51.27	74.00	PK	PASS
	V	2390.00	42.61	30.22	4.85	23.98	41.22	54.00	AV	PASS
	V	2400.00	52.74	30.22	4.85	23.98	51.35	74.00	PK	PASS
	V	2400.00	43.37	30.22	4.85	23.98	41.98	54.00	AV	PASS
	HighChannel 2462MHz									
	H	2483.50	51.51	30.22	4.85	23.98	50.12	74.00	PK	PASS
	H	2483.50	42.83	30.22	4.85	23.98	41.44	54.00	AV	PASS
	H	2500.00	52.96	30.22	4.85	23.98	51.57	74.00	PK	PASS
	H	2500.00	43.30	30.22	4.85	23.98	41.91	54.00	AV	PASS
	V	2483.50	51.89	30.22	4.85	23.98	50.50	74.00	PK	PASS
	V	2483.50	42.75	30.22	4.85	23.98	41.36	54.00	AV	PASS
	V	2500.00	53.41	30.22	4.85	23.98	52.02	74.00	PK	PASS
	V	2500.00	43.27	30.22	4.85	23.98	41.88	54.00	AV	PASS
802.11g	LowChannel 2412MHz									
	H	2390.00	51.93	30.22	4.85	23.98	50.54	74.00	PK	PASS
	H	2390.00	42.72	30.22	4.85	23.98	41.33	54.00	AV	PASS
	H	2400.00	53.28	30.22	4.85	23.98	51.89	74.00	PK	PASS
	H	2400.00	43.40	30.22	4.85	23.98	42.01	54.00	AV	PASS
	V	2390.00	51.62	30.22	4.85	23.98	50.23	74.00	PK	PASS
	V	2390.00	43.15	30.22	4.85	23.98	41.76	54.00	AV	PASS
	V	2400.00	53.33	30.22	4.85	23.98	51.94	74.00	PK	PASS
	V	2400.00	43.25	30.22	4.85	23.98	41.86	54.00	AV	PASS
	High Channel 2462MHz									
	H	2483.50	53.24	30.22	4.85	23.98	51.85	74.00	PK	PASS
	H	2485.50	42.56	30.22	4.85	23.98	41.17	54.00	AV	PASS
	H	2500.00	52.85	30.22	4.85	23.98	51.46	74.00	PK	PASS
	H	2500.00	43.12	30.22	4.85	23.98	41.73	54.00	AV	PASS
	V	2483.50	52.76	30.22	4.85	23.98	51.37	74.00	PK	PASS
	V	2485.50	43.36	30.22	4.85	23.98	41.97	54.00	AV	PASS
	V	2500.00	52.71	30.22	4.85	23.98	51.32	74.00	PK	PASS
	V	2500.00	43.25	30.22	4.85	23.98	41.86	54.00	AV	PASS
802.11n20	LowChannel 2412MHz									
	H	2390.00	52.30	30.22	4.85	23.98	50.91	74.00	PK	PASS
	H	2390.00	42.83	30.22	4.85	23.98	41.44	54.00	AV	PASS
	H	2400.00	53.03	30.22	4.85	23.98	51.64	74.00	PK	PASS
	H	2400.00	42.60	30.22	4.85	23.98	41.21	54.00	AV	PASS
	V	2390.00	53.14	30.22	4.85	23.98	51.75	74.00	PK	PASS
	V	2390.00	42.93	30.22	4.85	23.98	41.54	54.00	AV	PASS
	V	2400.00	53.19	30.22	4.85	23.98	51.80	74.00	PK	PASS
	V	2400.00	42.51	30.22	4.85	23.98	41.12	54.00	AV	PASS
	High Channel 2462MHz									
	H	2483.50	54.47	30.22	4.85	23.98	53.08	74.00	PK	PASS
	H	2485.50	43.79	30.22	4.85	23.98	42.4	54.00	AV	PASS
	H	2500.00	54.08	30.22	4.85	23.98	52.69	74.00	PK	PASS
	H	2500.00	44.35	30.22	4.85	23.98	42.96	54.00	AV	PASS
	V	2483.50	53.99	30.22	4.85	23.98	52.6	74.00	PK	PASS
	V	2485.50	44.59	30.22	4.85	23.98	43.2	54.00	AV	PASS
	V	2500.00	53.94	30.22	4.85	23.98	52.55	74.00	PK	PASS



802.11n40	V	2500.00	44.48	30.22	4.85	23.98	43.09	54.00	AV	PASS
	LowChannel 2422MHz									
	H	2390.00	52.30	30.22	4.85	23.98	50.91	74.00	PK	PASS
	H	2390.00	42.83	30.22	4.85	23.98	41.44	54.00	AV	PASS
	H	2400.00	53.03	30.22	4.85	23.98	51.64	74.00	PK	PASS
	H	2400.00	42.60	30.22	4.85	23.98	41.21	54.00	AV	PASS
	V	2390.00	53.14	30.22	4.85	23.98	51.75	74.00	PK	PASS
	V	2390.00	42.93	30.22	4.85	23.98	41.54	54.00	AV	PASS
	V	2400.00	53.19	30.22	4.85	23.98	51.8	74.00	PK	PASS
	V	2400.00	42.51	30.22	4.85	23.98	41.12	54.00	AV	PASS
	High Channel 2462MHz									
	H	2483.50	52.49	30.22	4.85	23.98	51.10	74.00	PK	PASS
	H	2485.50	41.80	30.22	4.85	23.98	40.41	54.00	AV	PASS
	H	2500.00	53.09	30.22	4.85	23.98	51.70	74.00	PK	PASS
	H	2500.00	43.36	30.22	4.85	23.98	41.97	54.00	AV	PASS
	V	2483.50	53.01	30.22	4.85	23.98	51.62	74.00	PK	PASS
	V	2485.50	43.62	30.22	4.85	23.98	42.23	54.00	AV	PASS
	V	2500.00	52.93	30.22	4.85	23.98	51.54	74.00	PK	PASS
	V	2500.00	43.38	30.22	4.85	23.98	41.99	54.00	AV	PASS
802.11ax 20	LowChannel 2412MHz									
	H	2390.00	52.81	30.22	4.85	23.98	51.42	74.00	PK	PASS
	H	2390.00	43.34	30.22	4.85	23.98	41.95	54.00	AV	PASS
	H	2400.00	53.54	30.22	4.85	23.98	52.15	74.00	PK	PASS
	H	2400.00	43.11	30.22	4.85	23.98	41.72	54.00	AV	PASS
	V	2390.00	53.65	30.22	4.85	23.98	52.26	74.00	PK	PASS
	V	2390.00	43.44	30.22	4.85	23.98	42.05	54.00	AV	PASS
	V	2400.00	53.7	30.22	4.85	23.98	52.31	74.00	PK	PASS
	V	2400.00	43.02	30.22	4.85	23.98	41.63	54.00	AV	PASS
	High Channel 2462MHz									
	H	2483.50	54.98	30.22	4.85	23.98	53.59	74.00	PK	PASS
	H	2485.50	44.3	30.22	4.85	23.98	42.91	54.00	AV	PASS
	H	2500.00	54.59	30.22	4.85	23.98	53.2	74.00	PK	PASS
	H	2500.00	44.86	30.22	4.85	23.98	43.47	54.00	AV	PASS
	V	2483.50	54.5	30.22	4.85	23.98	53.11	74.00	PK	PASS
	V	2485.50	45.1	30.22	4.85	23.98	43.71	54.00	AV	PASS
	V	2500.00	54.45	30.22	4.85	23.98	53.06	74.00	PK	PASS
	V	2500.00	44.99	30.22	4.85	23.98	43.6	54.00	AV	PASS
802.11ax 40	LowChannel 2422MHz									
	H	2390.00	52.81	30.22	4.85	23.98	51.42	74.00	PK	PASS
	H	2390.00	43.34	30.22	4.85	23.98	41.95	54.00	AV	PASS
	H	2400.00	53.54	30.22	4.85	23.98	52.15	74.00	PK	PASS
	H	2400.00	43.11	30.22	4.85	23.98	41.72	54.00	AV	PASS
	V	2390.00	53.65	30.22	4.85	23.98	52.26	74.00	PK	PASS
	V	2390.00	43.44	30.22	4.85	23.98	42.05	54.00	AV	PASS
	V	2400.00	53.7	30.22	4.85	23.98	52.31	74.00	PK	PASS
	V	2400.00	43.02	30.22	4.85	23.98	41.63	54.00	AV	PASS
	High Channel 2462MHz									
	H	2483.50	53.00	30.22	4.85	23.98	51.61	74.00	PK	PASS
	H	2485.50	42.31	30.22	4.85	23.98	40.92	54.00	AV	PASS
	H	2500.00	53.60	30.22	4.85	23.98	52.21	74.00	PK	PASS
	H	2500.00	43.87	30.22	4.85	23.98	42.48	54.00	AV	PASS
	V	2483.50	53.52	30.22	4.85	23.98	52.13	74.00	PK	PASS
	V	2485.50	44.13	30.22	4.85	23.98	42.74	54.00	AV	PASS
	V	2500.00	53.44	30.22	4.85	23.98	52.05	74.00	PK	PASS
	V	2500.00	43.89	30.22	4.85	23.98	42.50	54.00	AV	PASS

Remark:

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



6. POWER SPECTRAL DENSITY TEST

Test Requirement:	FCC Part15 C Section 15.247 (e)
Test Method:	KDB558074 D0115.247 Meas Guidance v05r02

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247	Power Spectral Density	8dBm/3kHz	2400-2483.5	PASS

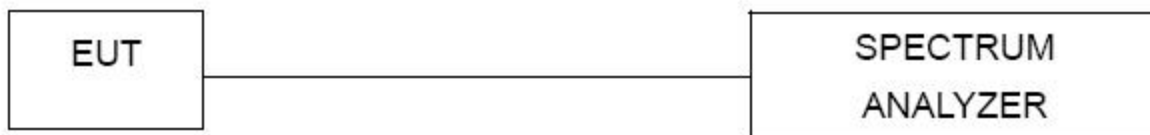
6.2 TEST PROCEDURE

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the Occupied bandwidth.
3. Set the RBW to: $3\text{ kHz} \leq \text{RBW} \leq 100\text{ kHz}$.
4. Set the VBW $\geq 3 \times \text{RBW}$.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level within the RBW.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.



6.6 TEST RESULT

Measurement Data : The detailed test data see Appendix II



7. -6 BANDWIDTH& 99% OCCUPY BANDWIDTH

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)
Test Method:	KDB558074 D0115.247 Meas Guidancev05r02

7.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	$\geq 500\text{KHz}$ (6dB bandwidth)	2400-2483.5	PASS

7.2 TEST PROCEDURE

1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) $\geq 3 \times \text{RBW}$.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION 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.



7.6 TEST RESULT

Measurement Data : The detailed test data see Appendix II



8. PEAK OUTPUT POWER TEST

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	KDB558074 D0115.247 Meas Guidance v05r02

8.1 APPLIED PROCEDURES/LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Peak Output Power	1 watt or 30dBm	2400-2483.5	PASS

8.2 TEST PROCEDURE

- a. The EUT was directly connected to the Power meter

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION 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.

8.6 TEST RESULT

Measurement Data : The detailed test data see Appendix II



9. CONDUCTED BAND EDGE AND SPURIOUS EMISSION

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	KDB558074 D0115.247 Meas Guidance v05r02

9.1 APPLICABLE STANDARD

in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, In addition, radiated emissions which fall in the restricted bands, as defined in§15.205(a), must also comply with the radiated emission limits specified in15.209(a).

9.2 TEST PROCEDURE

Using the following spectrum analyzer setting:

- A) Set the RBW = 100KHz.
- B) Set the VBW = 300KHz.
- C) Sweep time = auto couple.
- D) Detector function = peak.
- E) Trace mode = max hold.
- F) Allow trace to fully stabilize.

9.3 DEVIATION FROM STANDARD

No deviation.

9.4 TEST SETUP



9.5 EUT OPERATION 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.

9.6 TEST RESULTS

Measurement Data : The detailed test data see Appendix II



10. ANTENNA REQUIREMENT

Standard requirement:	FCC Part15 C Section 15.203 /247(c)
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. 15.247(c) (1)(i) requirement: (i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.	
EUT Antenna:	
The antenna is External antenna, the best case gain of the antenna is 0 dBi, reference to the Appendix -EUT PHOTO Internal Photos for details	



11. TEST SETUP PHOTO

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

12. EUT CONSTRUCTIONAL DETAILS

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

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