



FCC 47 CFR PART 15 SUBPART C

TEST REPORT

For

Product Name: Mobile Phone

Brand Name: Innos

Model No.: Innos a35

Series Model: N/A

**Test Report Number:
KS121018A05-RPW**

Issued for

JSR Limited

Room 8, 12/F, Lucida Industrial Building, No. 43-4 Wang Lung Street, Tsuen Wan , HongKong

Issued by

Compliance Certification Services Inc.

Kun shan Laboratory

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TESTING CERT #2541.01

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1. TEST RESULT CERTIFICATION

Product Name:	Mobile Phone
Trade Name:	Innos
Model Name.:	Innos a35
Series Model:	N/A
Applicant Discrepancy:	Initial
Device Category:	MOBILE DEVICES
Date of Test:	October 29, 2012
Applicant:	JSR Limited Room 8, 12/F, Lucida Industrial Building, No. 43-4 Wang Lung Street, Tsuen Wan, HongKong
Manufacturer:	JSR Limited Room 8, 12/F, Lucida Industrial Building, No. 43-4 Wang Lung Street, Tsuen Wan, HongKong
Application Type:	Certification

APPLICABLE STANDARDS

STANDARD	TEST RESULT
FCC 47 CFR Part 15 Subpart C	No non-compliance noted

We hereby certify that:

The above equipment was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4: 2003 and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 15.207, 15.209, 15.247.

The test results of this report relate only to the tested sample EUT identified in this report.

Approved by:

Tested by:

Hadiif Hoo
RF Manager
Compliance Certification Service Inc.

Sean Yu
Test Engineer
Compliance Certification Service Inc.



2. EUT DESCRIPTION

Product Name:	Mobile Phone			
Brand Name:	Innos			
Model Name:	Innos a35			
Series Model:	N/A			
Model Discrepancy:	N/A			
Frequency Range:	WIFI b/g Mode:2412 ~ 2462 MHz			
Transmit Power:	IEEE 802.11b mode: 18.46dBm (70.15mW) IEEE 802.11g mode: 17.18dBm (52.24mW)			
Modulation Technique:	IEEE 802.11b mode: DSSS (1, 2, 5.5 and 11 Mbps) IEEE 802.11g mode: DSSS /OFDM (6, 9, 12, 18, 24, 36, 48 and 54 Mbps)			
Number of Channels:	IEEE 802.11b/g mode: 11 Channels			
Antenna Specification:	Dipole antenna			
MAX gain	Mode	gain	TX function	numeric antenna gain
	802.11b	3dBi	1TX	1.99
	802.11g	3dBi	1TX	1.99

Remark:

1. The sample selected for test was engineering sample that approximated to production product and was provided by manufacturer.
2. This submittal(s) (test report) is intended for **FCC ID: COYA35** filing to comply with Section 15.207, 15.209 and 15.247 of the FCC Part 15, Subpart C Rules.



3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.4 2003 and FCC CFR 47 15.207, 15.209 and 15.247.

3.1. EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

3.2. EUT EXERCISE

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

According to its specifications, the EUT must comply with the requirements of the Section 15.207, 15.209 and 15.247 under the FCC Rules Part 15 Subpart C.

3.3. GENERAL TEST PROCEDURES

Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.4 2003 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.4 2003.



3.4. FCC PART 15.205 RESTRICTED BANDS OF OPERATIONS

- (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)
13.36 - 13.41			

¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

² Above 38.6

- (b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.



3.5. DESCRIPTION OF TEST MODES

The EUT transmitting and receiving with one (chain 0) antenna working at a/b/g mode, so one antenna working configuration was used for a/b/g mode testing in this report.

The EUT transmitting and receiving with two antennas simultaneously working at n mode, so 2x2 configuration was used for all testing in this report.

The worst-case data rates are determined to be as follows for each mode based on investigation by measuring the average power, peak power and PSD across all data rates, bandwidths, and modulations.

The worst-case data rates:

IEEE802.11b mode:

Channel Low (2412MHz)

Channel Mid (2437MHz)

Channel High (2462MHz) with 1Mbps data rate were chosen for full testing.

IEEE802.11g mode:

Channel Low (2412MHz)

Channel Mid (2437MHz)

Channel High (2462MHz) with 6Mbps data rate were chosen for full testing.



4. INSTRUMENT CALIBRATION

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

Equipment Used for Emissions Measurement

Conducted Emissions Test Site				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	E4446A	MY44020154	2013-5-13
DETECTOR NEGATIVE	Agilent	8473B	MY42240176	2013-5-13
OSCILLOSCOPE	Agilent	DSO6104A	MY44002585	2013-3-25
Peak and Avg Power Sensor	Agilent	E9327A	US40441788	2013-3-25
EPM-P Series Power Meter	Agilent	E4416A	GB41292714	2013-5-13
Power SPLITTER	Mini-Circuits	ZN2PD-9G	SF078500430	2013-5-13
DC POWER SUPPLY	GW instek	GPS-3303C	E903131	2013-5-13
Temp. / Humidity Chamber	Kingson	THS-M1	242	2013-3-13
Test Software	EZ-EMC			

977 Chamber				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	E4446A	MY44020154	2013-5-13
EMI Test Receiver	R&S	ESPI3	101026	2013-3-16
Pre-Amplifier	MINI	ZFL-1000VH2	d041703	2013-5-13
Pre-Amplifier	Miteq	NSP4000-NF	870629	2013-5-13
Bilog Antenna	Sunol	JB1	A110204-2	2013-5-13
Horn-antenna	SCHWARZBECK	BBHA9120D	D:266	2013-6-8
Turn Table	CT	CT123	4165	N.C.R
Antenna Tower	CT	CTERG23	3256	N.C.R
Controller	CT	CT100	95637	N.C.R
Test Software	EZ-EMC			



Conducted Emission				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
EMI TEST RECEIVER	R&S	ESCI3	100781	2013-3-16
V (V-LISN)	Schwarzbeck	NNLK 8129	8129-143	2013-3-16
LISN (EUT)	FCC	FCC-LISN-50/250-50-2-02	SN:05012	2013-3-16
TRANSIENT LIMITER	SCHAFFNER	CFL9206	1710	2013-4-8
Test Software	EZ-EMC			

Remark: The measurement uncertainty is less than +/- 2.81dB, which is evaluated as per the NAMAS NIS 81 and CISPR/A/291/CDV.

Expanded Uncertainty (95% CONFIDENCE INTERVAL): K=2



5. FACILITIES AND ACCREDITATIONS

5.1. FACILITIES

All measurement facilities used to collect the measurement data are located at CCS China Kunshan Lab at 10#Weiye Rd, Innovation Park Eco. & Tec. Development Zone Kunshan city JiangSu, (215300), CHINA.

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 2003 and CISPR Publication 22.

5.2. EQUIPMENT

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.



All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

5.3. LABORATORY ACCREDITATIONS AND LISTING

The test facilities used to perform radiated and conducted emissions tests are accredited by American Association for Laboratory Accreditation Program for the specific scope accreditation under Lab Code: 200581-0 to perform Electromagnetic Interference tests according to FCC Part 15 and CISPR 22 requirements. In addition, the test facilities are listed with Industry Canada, Certification and Engineering Bureau, IC5743 for 10m chamber 10m, IC5743 for 10m chamber 3m.



5.4. TABLE OF ACCREDITATIONS AND LISTINGS

Country	Agency	Scope of Accreditation	Logo
USA	A2LA	47 CFR FCC Part 15/18 (using ANSI C63.4 :2003); VCCI V3; CNS 13438; CNS 13439; CNS 13803; CISPR 11; EN 55011; CISPR 13; EN 55013; CISPR 22:2005; CISPR 22:1997 +A1 :2000+A2 :2002; EN 55022:2006; EN55022 :1998 +A1 :2001+A2 :2003; EN 61000-6-3 (excluding discontinuous interference); EN 61000-6-4; AS/NZS CISPR 22; CAN/CSA-CEI/IEC CISPR 22; EN 61000-3-2; EN 61000-3-3; EN550024; EN 61000-4-2; EN 61000-4-3; EN61000-4-4; EN 61000-4-5; EN 61000-4-6; IEC 61000-4-8; EN 61000-4-11; IEC61000-3-2; IEC61000-3-3; IEC 61000-4-2; IEC 61000-4-3; IEC 61000-4-4; IEC 61000-4-5; IEC 61000-4-6; IEC 61000-4-8; IEC 61000-4-11; EN 300 220-3; EN 300 328; EN 300 330-2; EN 300 440-1; EN 300-440-2; EN 300 893; EN 301 489-01; EN 301 489-3; EN 301 489-07; EN 301 489-17; 47 CFR FCC Part 15, 22, 24	 TESTING CERT #2541.01
USA	FCC	3/10 meter Sites to perform FCC Part 15/18 measurements	 93105, 90471
Japan	VCCI	3/10 meter Sites and conducted test sites to perform radiated/conducted measurements	VCCI R-1600 C-1707 G-216

* No part of this report may be used to claim or imply product endorsement by A2LA or any agency of the US Government.



6. SETUP OF EQUIPMENT UNDER TEST

6.1. SETUP CONFIGURATION OF EUT

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

6.2. SUPPORT EQUIPMENT

No.	Device Type	Brand	Model	Series No.	FCC ID
1.	NOTEBOOK	IBM	62P7043	998W21C	DOC

Remark:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.



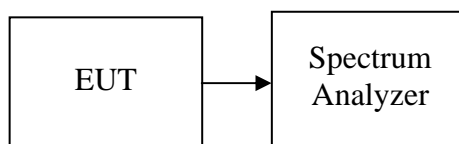
7. FCC PART 15.247 REQUIREMENTS

7.1. 6DB BANDWIDTH

LIMIT

According to §15.247(a)(2), systems using digital modulation techniques may operate in the 902 - 928 MHz, 2400 - 2483.5 MHz, and 5725 - 5850 MHz bands. The minimum 6dB bandwidth shall be at least 500 kHz.

Test Configuration



TEST PROCEDURE

KDB 558074 D01 DTS Measurement Guidance V02 dated 10-04-2012.

TEST RESULTS

No non-compliance noted

Test Data

IEEE 802.11b mode

Channel	Frequency (MHz)	Bandwidth (MHz)	Limit (kHz)	Result
Low	2412	10.165	>500	PASS
Mid	2437	10.123		PASS
High	2462	10.123		PASS

IEEE 802.11g mode

Channel	Frequency (MHz)	Bandwidth (MHz)	Limit (kHz)	Result
Low	2412	16.518	>500	PASS
Mid	2437	16.519		PASS
High	2462	16.486		PASS



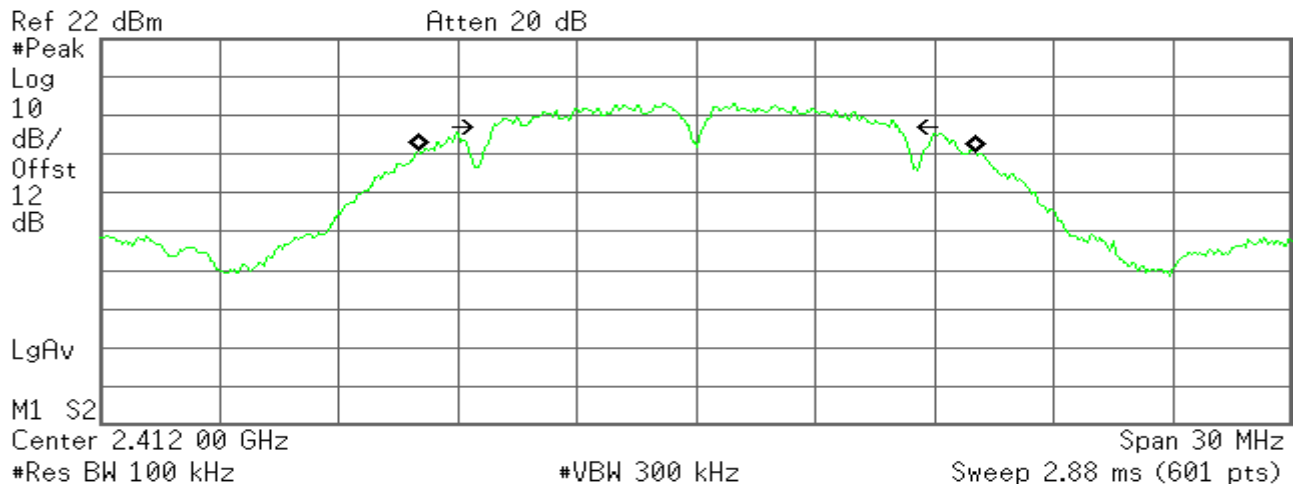
Test Plot

IEEE 802.11b MODE

6dB Bandwidth (CH Low)

* Agilent

R T



Occupied Bandwidth
14.0901 MHz

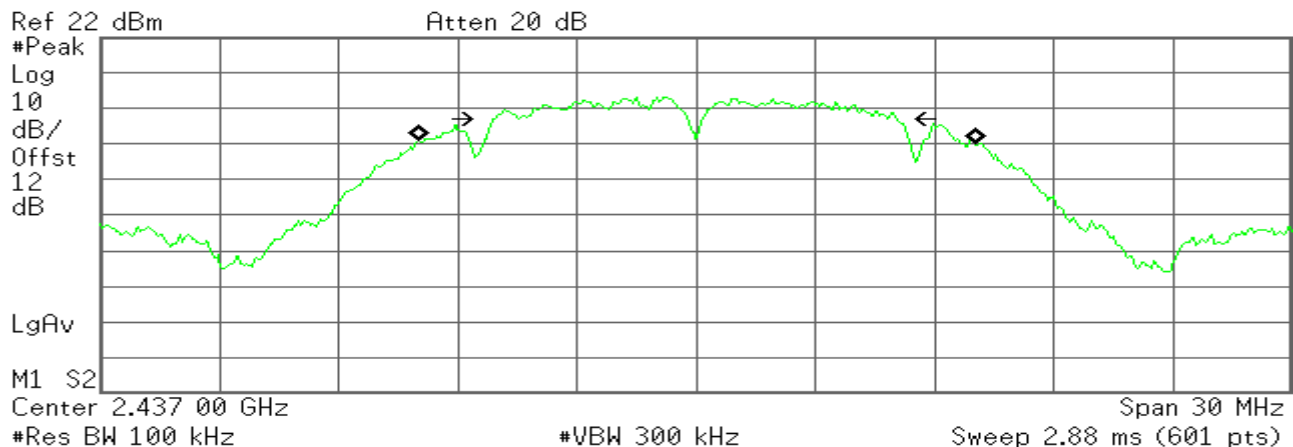
Occ BW % Pwr 99.00 %
x dB -6.00 dB

Transmit Freq Error 22.381 kHz
x dB Bandwidth 10.165 MHz

6dB Bandwidth (CH Mid)

* Agilent

R T



Occupied Bandwidth
14.0541 MHz

Occ BW % Pwr 99.00 %
x dB -6.00 dB

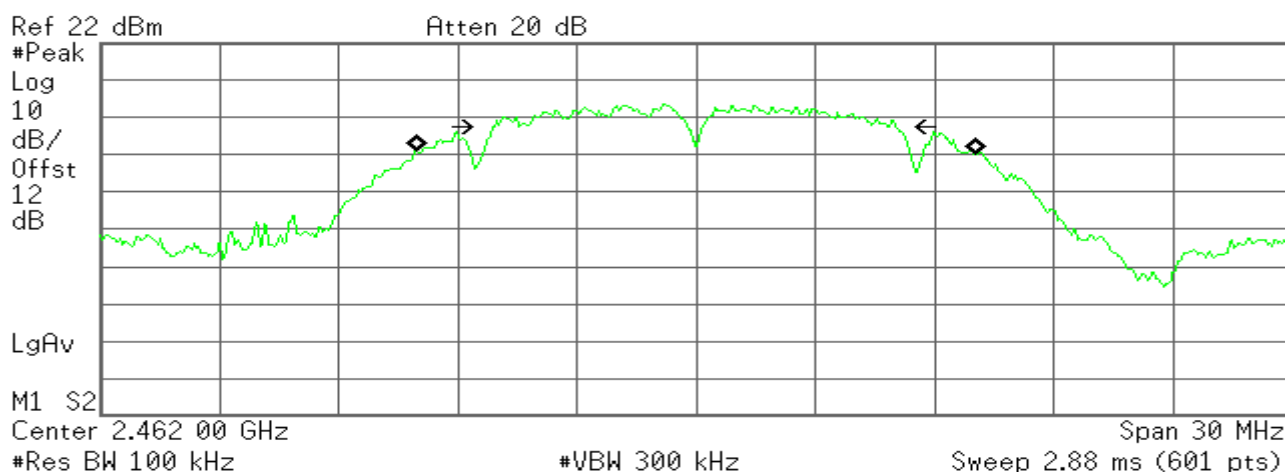
Transmit Freq Error 13.157 kHz
x dB Bandwidth 10.123 MHz



6dB Bandwidth (CH High)

Agilent

R T



Occupied Bandwidth
14.0768 MHz

Occ BW % Pwr 99.00 %
x dB -6.00 dB

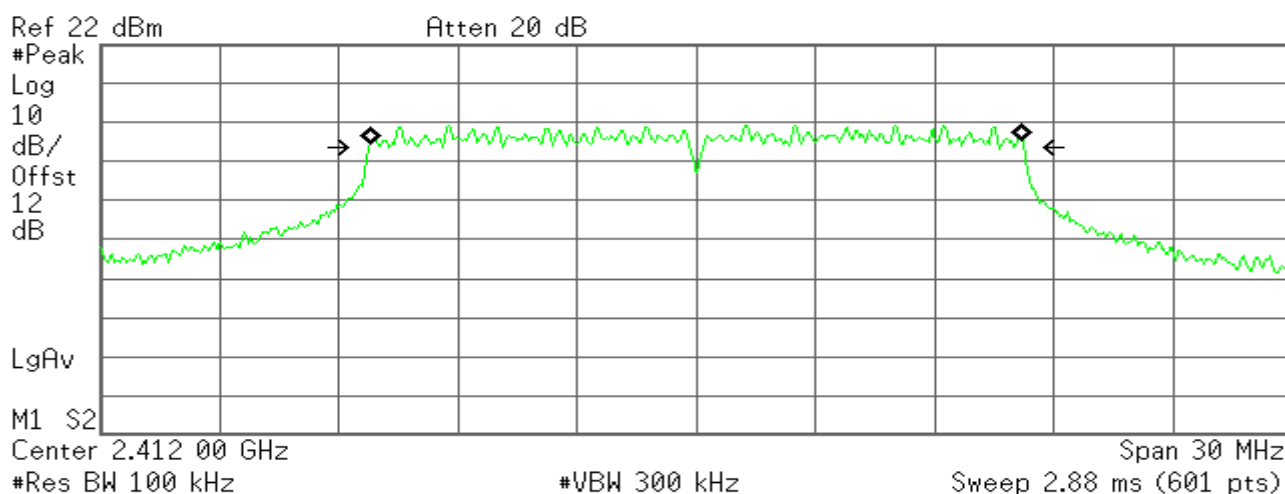
Transmit Freq Error 8.456 kHz
x dB Bandwidth 10.123 MHz

IEEE 802.11g MODE

6dB Bandwidth (CH Low)

Agilent

R T



Occupied Bandwidth
16.4374 MHz

Occ BW % Pwr 99.00 %
x dB -6.00 dB

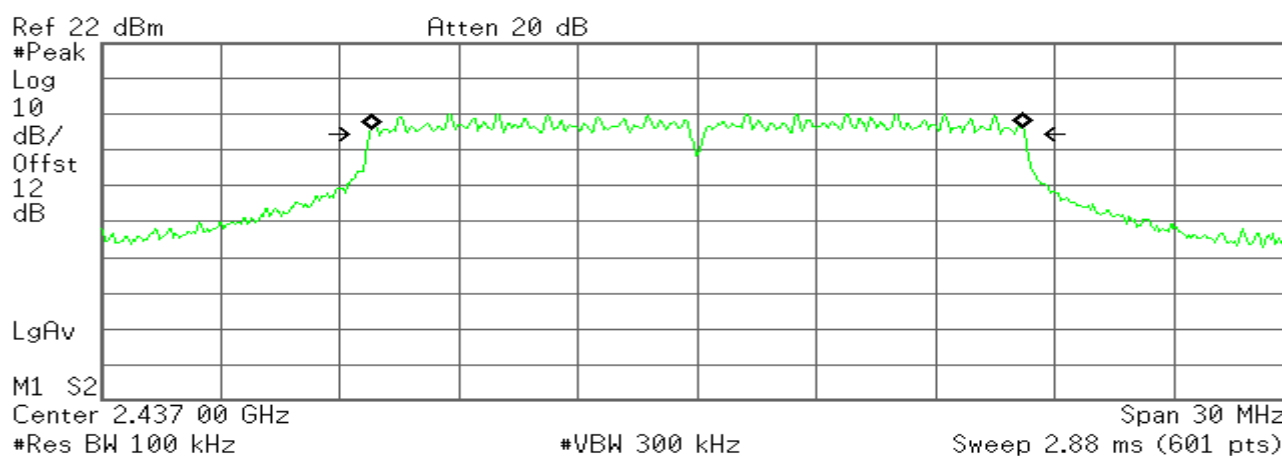
Transmit Freq Error 1.398 kHz
x dB Bandwidth 16.518 MHz



6dB Bandwidth (CH Mid)

Agilent

R T

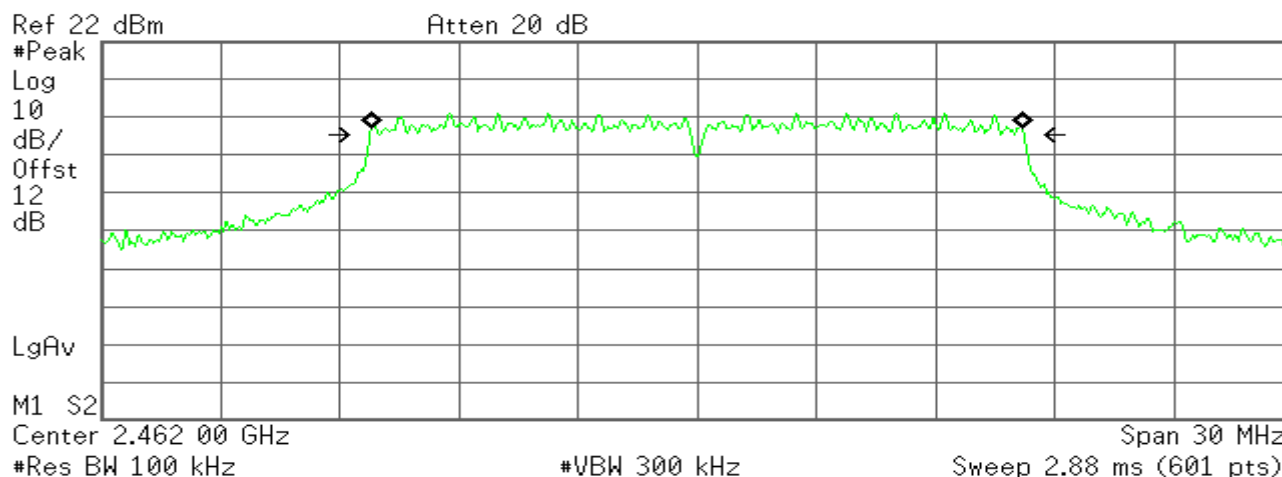


Transmit Freq Error -2.576 kHz
x dB Bandwidth 16.519 MHz

6dB Bandwidth (CH High)

Agilent

R T



Transmit Freq Error -4.349 kHz
x dB Bandwidth 16.486 MHz



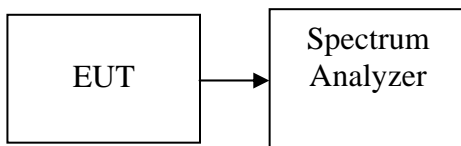
7.2. POWER OUTPUT

LIMIT

The maximum peak output power of the intentional radiator shall not exceed the following:

1. According to §15.247(b)(3), for systems using digital modulation in the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz: 1 Watt.
2. According to §15.247(b)(4), the conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Test Configuration



TEST PROCEDURE

KDB 558074 D01 DTS Measurement Guidance V02 dated 10-04-2012.

TEST RESULTS

No non-compliance noted



Test Data

Test mode: IEEE 802.11b mode

Channel	Frequency	Output Power	Output Power	Limit	Result
	(MHz)	(dBm)	(mw)		
Low	2412	17.75	59.57	30dBm	PASS
Mid	2437	18.01	63.24		PASS
High	2462	18.46	70.15		PASS

Test mode: IEEE 802.11g mode

Channel	Frequency	Output Power	Output Power	Limit	Result
	(MHz)	(dBm)	(mw)		
Low	2412	15.93	39.17	30dBm	PASS
Mid	2437	16.73	47.10		PASS
High	2462	17.18	52.24		PASS



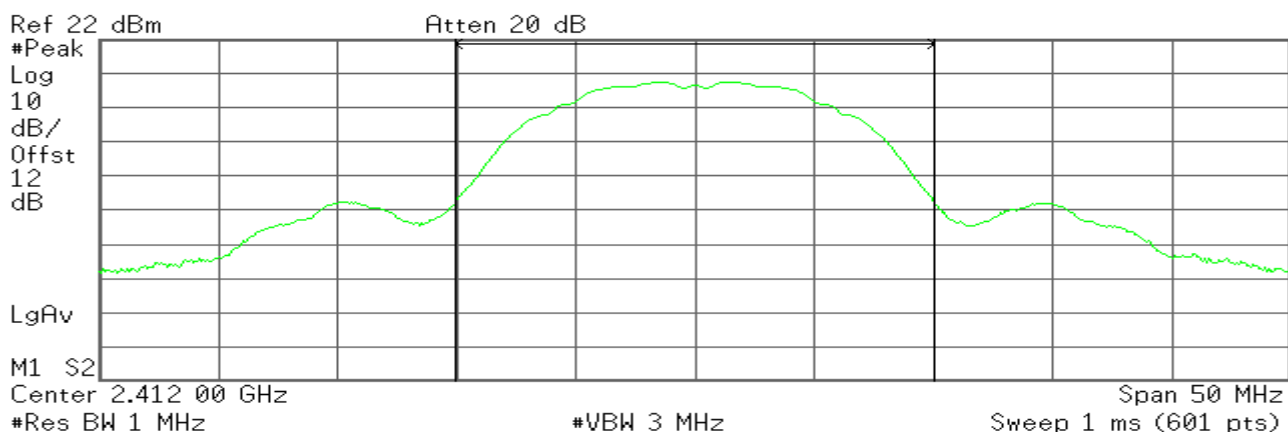
Test Plot

IEEE 802.11b mode

Peak Power (CH Low)

Agilent

R T



Channel Power

17.75 dBm /20.0000 MHz

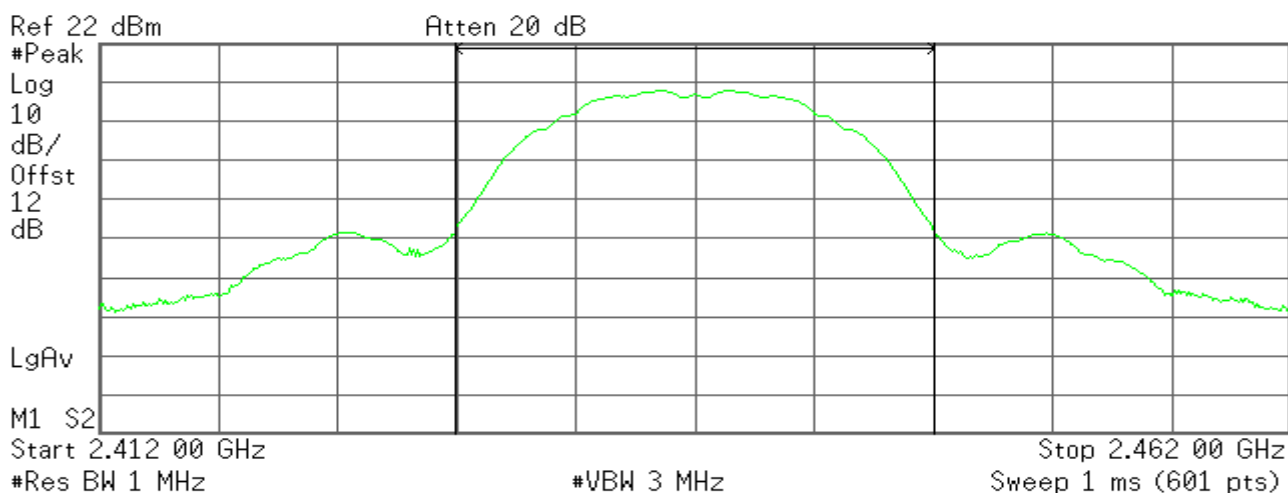
Power Spectral Density

-55.26 dBm/Hz

Peak Power (CH Mid)

Agilent

R T



Channel Power

18.01 dBm /20.0000 MHz

Power Spectral Density

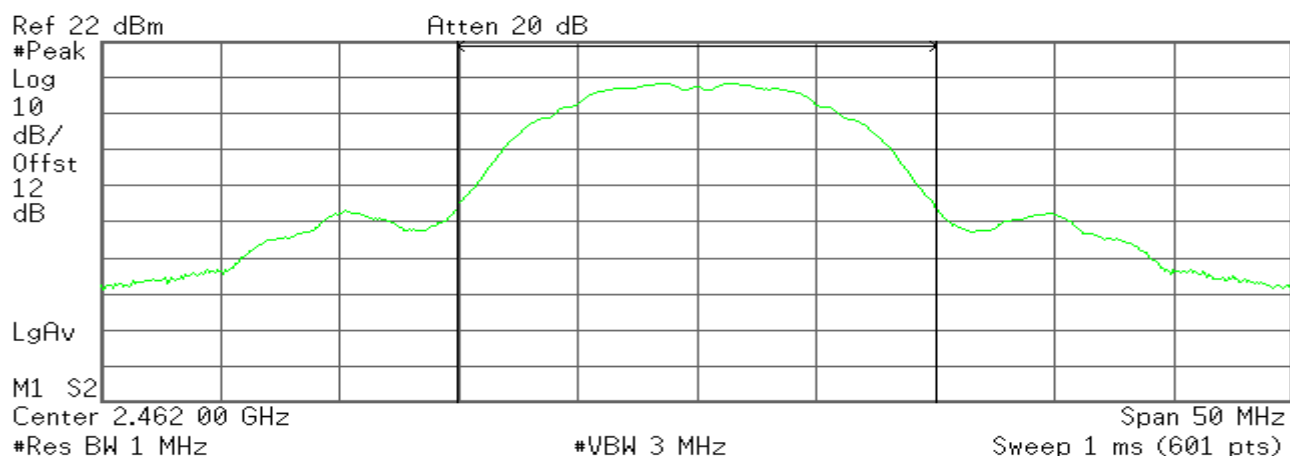
-55.00 dBm/Hz



Peak Power (CH High)

Agilent

R T

**Channel Power**

18.46 dBm /20.0000 MHz

Power Spectral Density

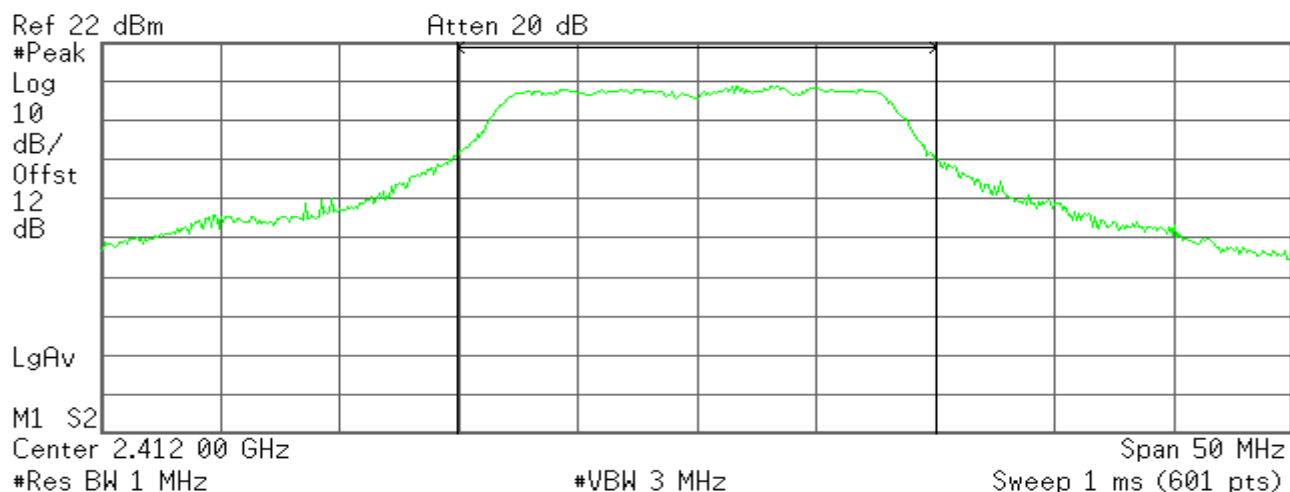
-54.55 dBm/Hz

IEEE 802.11g mode

Peak Power (CH Low)

Agilent

R T

**Channel Power**

15.93 dBm /20.0000 MHz

Power Spectral Density

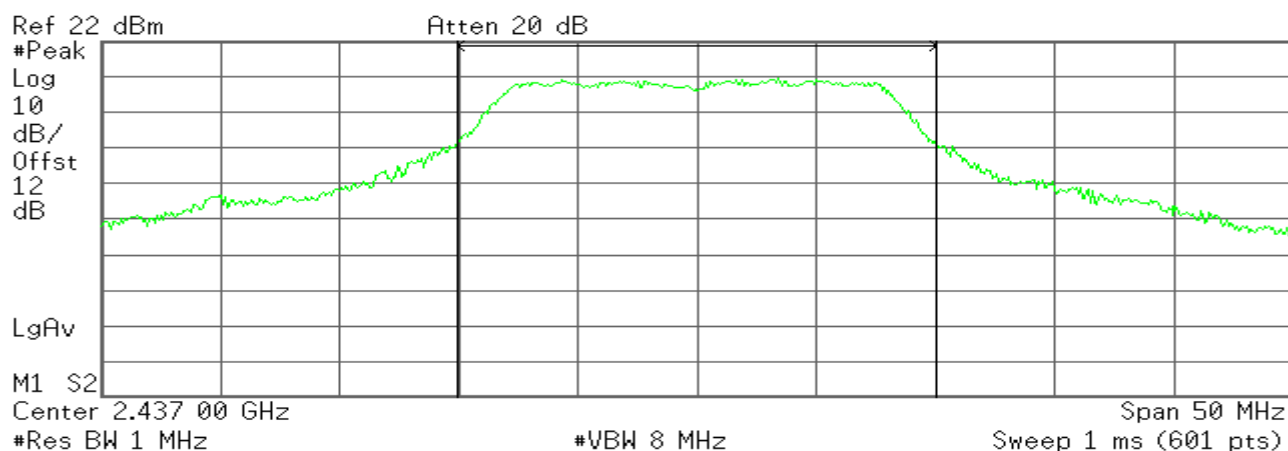
-57.08 dBm/Hz



Peak Power (CH Mid)

* Agilent

R T

**Channel Power**

16.73 dBm /20.0000 MHz

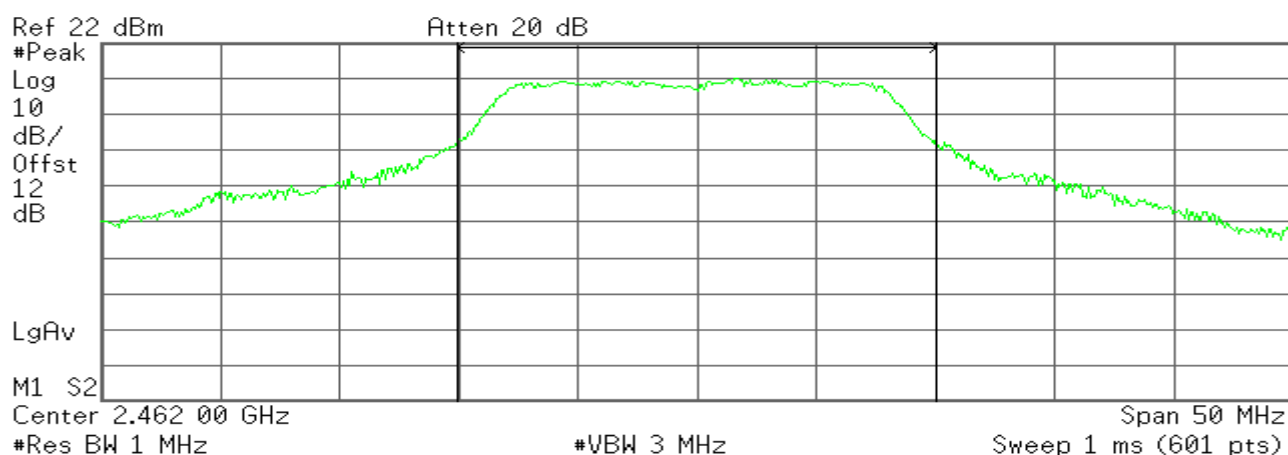
Power Spectral Density

-56.28 dBm/Hz

Peak Power (CH High)

* Agilent

R T

**Channel Power**

17.18 dBm /20.0000 MHz

Power Spectral Density

-55.83 dBm/Hz

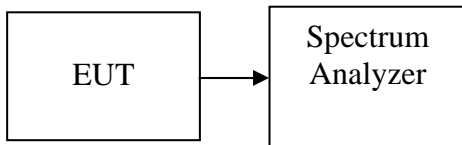


7.3. PEAK POWER SPECTRAL DENSITY

LIMIT

1. According to §15.247(e), for digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.
2. According to §15.247(f), the digital modulation operation of the hybrid system, with the frequency hopping turned off, shall comply with the power density requirements of paragraph (d) of this section.

Test Configuration



TEST PROCEDURE

KDB 558074 D01 DTS Measurement Guidance V02 dated 10-04-2012.

TEST RESULTS

No non-compliance noted



Test Data

Test mode: IEEE 802.11b mode

Channel	Frequency	PPSD	Limit	Result
	(MHz)	(dBm)	(dBm)	
Low	2412	-7.37	8	PASS
Mid	2437	-7.07	8	PASS
High	2462	-6.93	8	PASS

Test mode: IEEE 802.11g mode

Channel	Frequency	PPSD	Limit	Result
	(MHz)	(dBm)	(dBm)	
Low	2412	-13.93	8	PASS
Mid	2437	-12.92	8	PASS
High	2462	-13.03	8	PASS



Test Plot

IEEE 802.11b mode

PPSD (CH Low)

Agilent

R T

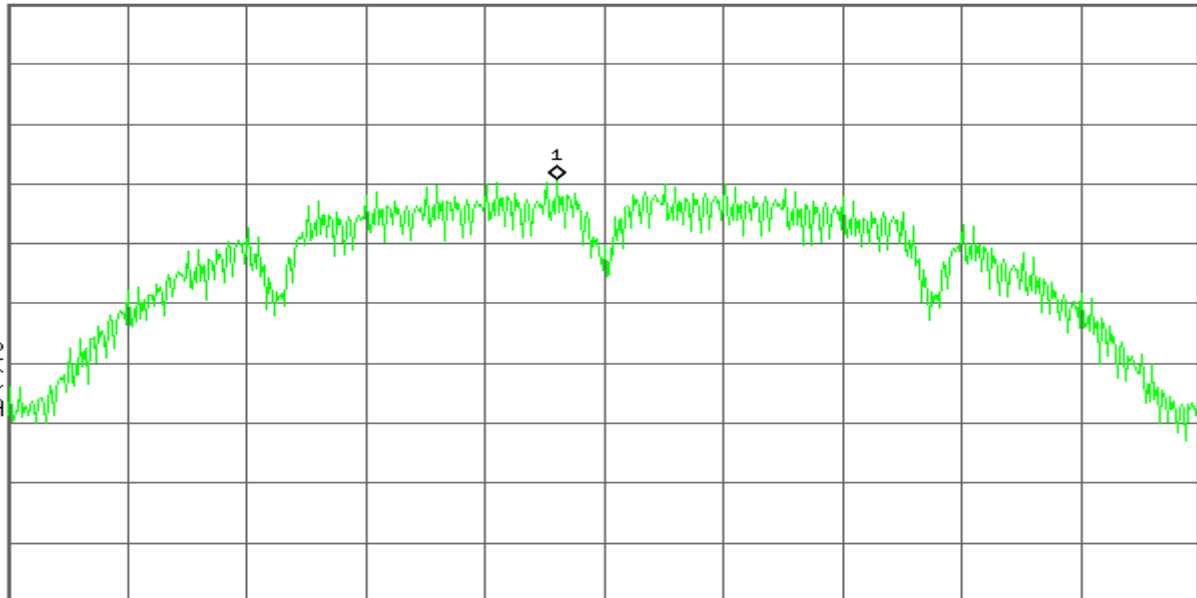
Mkr1 2.411 20 GHz
-7.37 dBm

Ref 22 dBm

Atten 20 dB

Peak
Log
10
dB/
Offst
12
dB

LgAv

M1 S2
S3 FC
AAE(f):
FTun
Swp

Center 2.412 00 GHz

Span 20 MHz

#Res BW 3 kHz

#VBW 10 kHz

Sweep 2.109 s (601 pts)

PPSD (CH Mid)

Agilent

R T

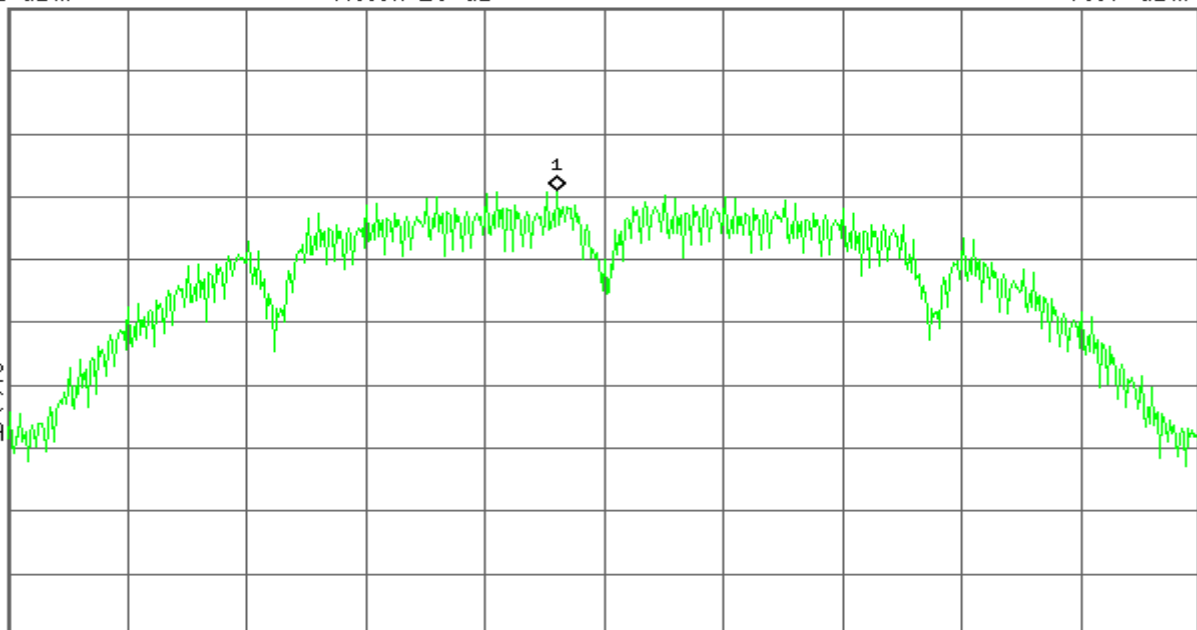
Mkr1 2.436 20 GHz
-7.07 dBm

Ref 22 dBm

Atten 20 dB

Peak
Log
10
dB/
Offst
12
dB

LgAv

M1 S2
S3 FC
AAE(f):
FTun
Swp

Start 2.427 00 GHz

Stop 2.447 00 GHz

#Res BW 3 kHz

#VBW 10 kHz

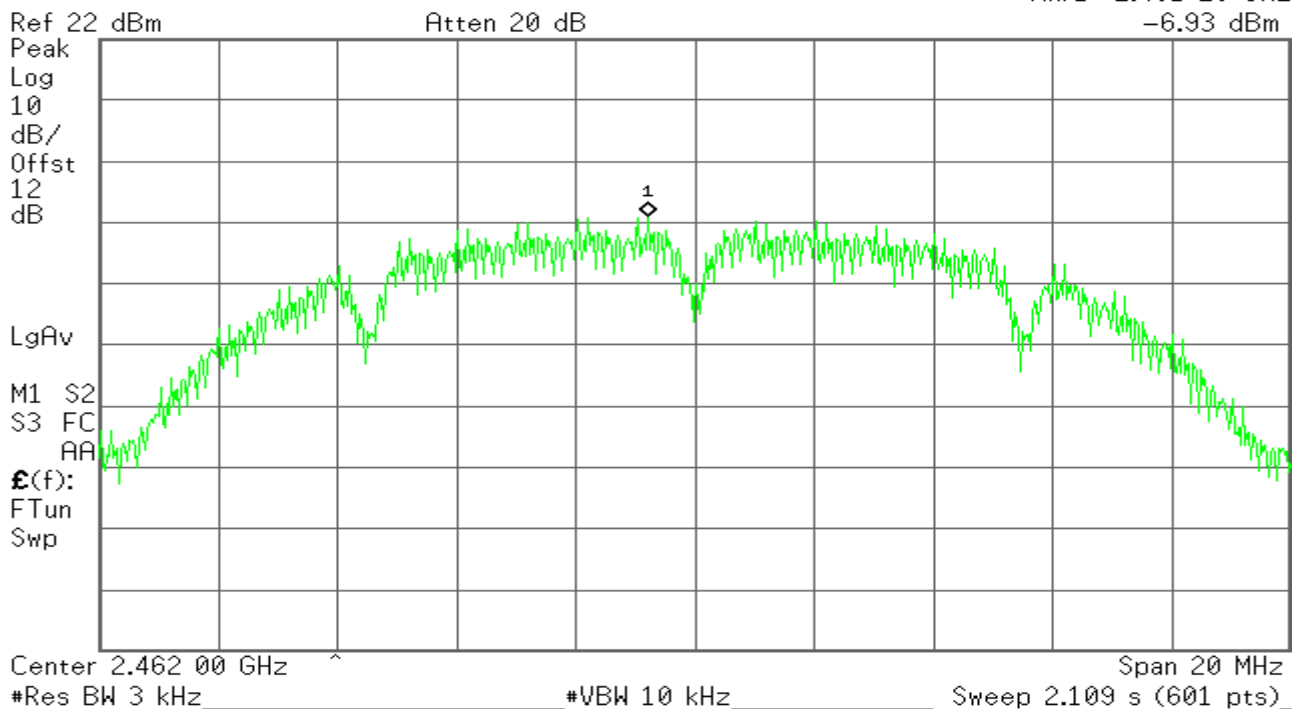
Sweep 2.109 s (601 pts)



PPSD (CH High)

Agilent

R T

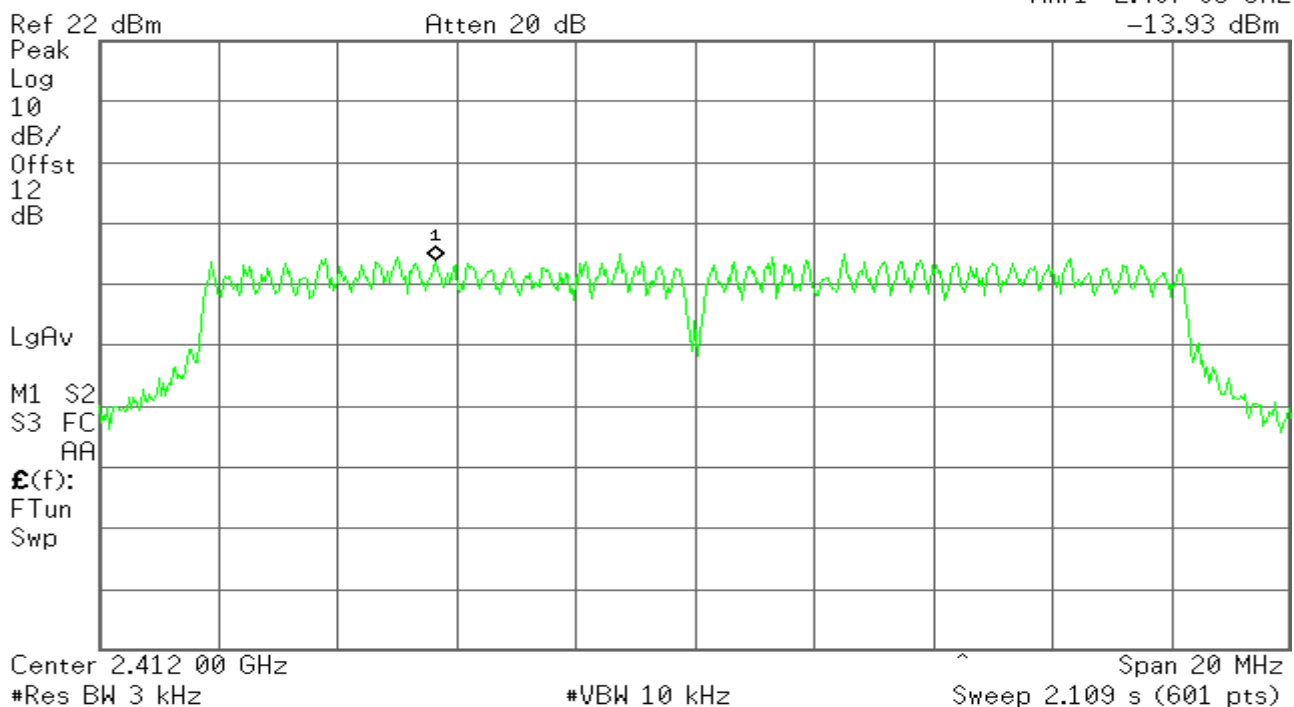
Mkr1 2.461 20 GHz
-6.93 dBm

IEEE 802.11g mode

PPSD (CH Low)

Agilent

R T

Mkr1 2.407 63 GHz
-13.93 dBm



PPSD (CH Mid)

Agilent

R T

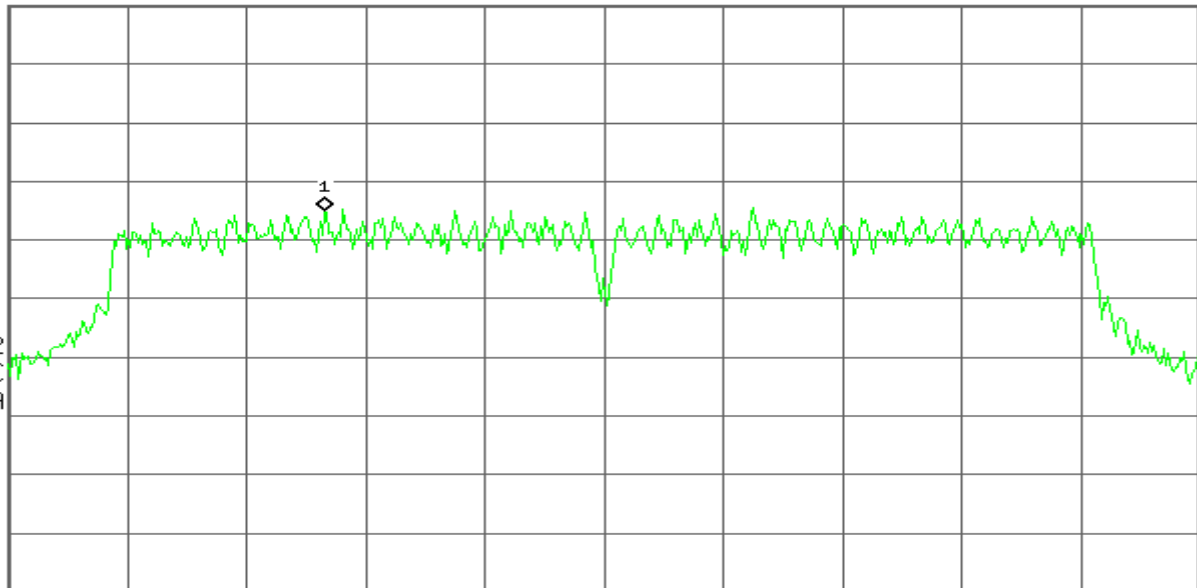
Mkr1 2.432 30 GHz
-12.92 dBm

Ref 22 dBm

Atten 20 dB

Peak
Log
10
dB/
Offst
12
dB

LgAv

M1 S2
S3 FC
AAE(f):
FTun
Swp

Center 2.437 00 GHz

Span 20 MHz

#Res BW 3 kHz

#VBW 10 kHz

Sweep 2.109 s (601 pts)

PPSD (CH High)

Agilent

R T

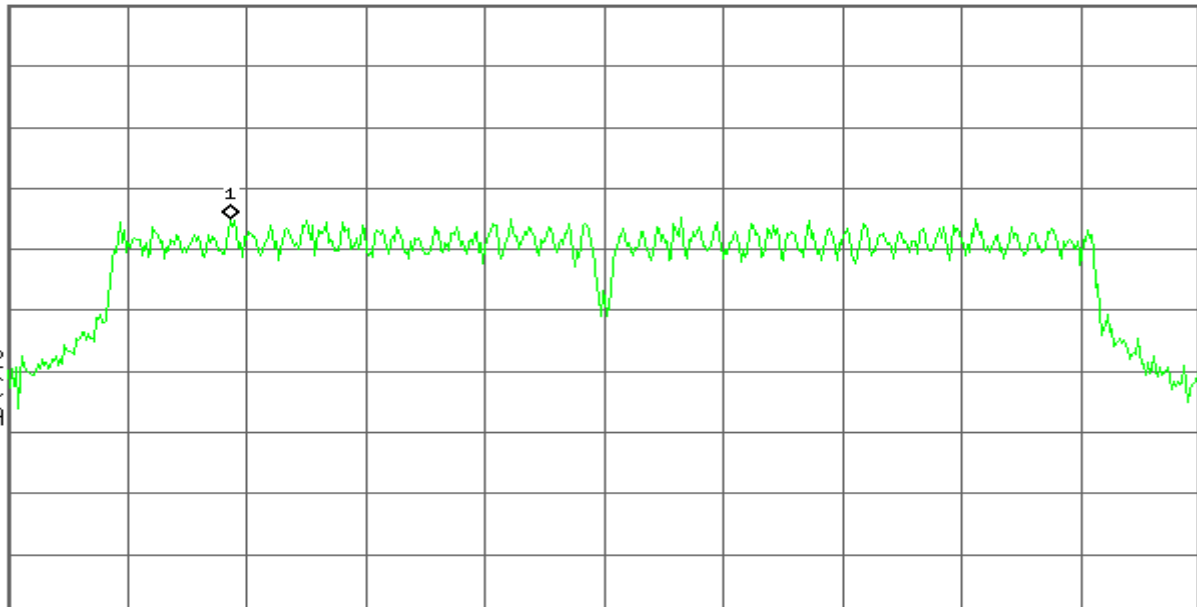
Mkr1 2.455 73 GHz
-13.03 dBm

Ref 22 dBm

Atten 20 dB

Peak
Log
10
dB/
Offst
12
dB

LgAv

M1 S2
S3 FC
AAE(f):
FTun
Swp

Center 2.462 00 GHz

Span 20 MHz

#Res BW 3 kHz

#VBW 10 kHz

Sweep 2.109 s (601 pts)



7.4. SPURIOUS EMISSIONS

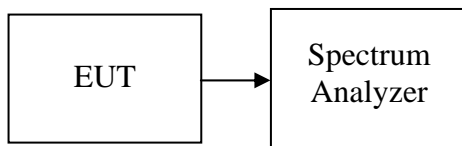
1.1.1. CONDUCTED MEASUREMENT

LIMIT

According to §15.247(d), 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 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. 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 in 15.209(a) (see Section 15.205(c)).

Conducted power was measured based on the use of RMS averaging over a time interval, therefore the required attenuation is 30 dB.

Test Configuration



TEST PROCEDURE

Conducted RF measurements of the transmitter output were made to confirm that the EUT antenna port conducted emissions meet the specified limit and to identify any spurious signals that require further investigation or measurements on the radiated emissions site.

The transmitter output is connected to the spectrum analyzer. The resolution bandwidth is set to 1 MHz. The video bandwidth is set to 1 MHz.

Measurements are made over the 30MHz to 40GHz range with the transmitter set to the lowest, middle, and highest channels.

TEST RESULTS

No non-compliance noted



Test Plot

IEEE 802.11b mode

CH Low

Agilent

R T

Mkr1 2.41 GHz
118.76 dB μ VRef 138 dB μ V

Atten 30 dB

Peak

Log

10

dB/

Offst

11

dB

DI

98.8

dB μ V

LgAv

M1 S2

Start 30 MHz

Stop 40.00 GHz

#Res BW 1 MHz

#VBW 1 MHz

#Sweep 199.9 ms (601 pts)



CH Mid

Agilent

R T

Mkr1 2.44 GHz
118.85 dB μ VRef 138 dB μ V

Atten 30 dB

Peak

Log

10

dB/

Offst

11

dB

DI

98.8

dB μ V

LgAv

M1 S2

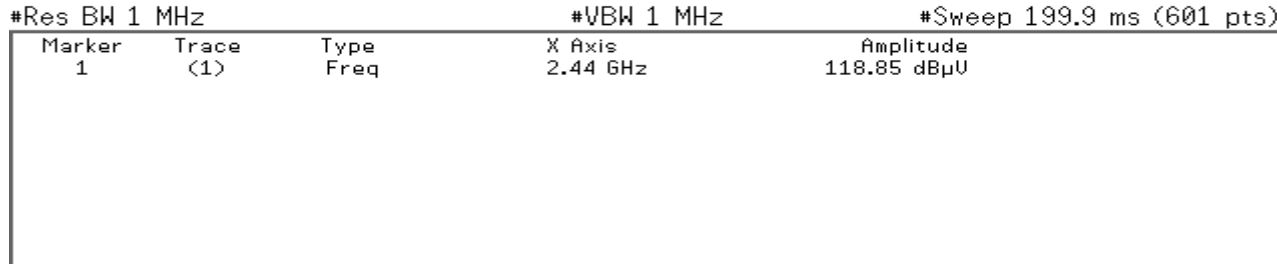
Start 30 MHz

Stop 40.00 GHz

#Res BW 1 MHz

#VBW 1 MHz

#Sweep 199.9 ms (601 pts)





CH High

Agilent

R T

Mkr1 2.46 GHz
119.09 dB μ VRef 138 dB μ V

Atten 30 dB

Peak

Log

10

dB/

Offst

11

dB

DI

99.1

dB μ V

LgAv

M1 S2

Start 30 MHz

Stop 40.00 GHz

#Res BW 1 MHz

#VBW 1 MHz

#Sweep 199.9 ms (601 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	2.46 GHz	119.09 dB μ V

IEEE 802.11g mode

CH Low

Agilent

R T

Mkr1 2.41 GHz
114.84 dB μ VRef 138 dB μ V

Atten 30 dB

Peak

Log

10

dB/

Offst

11

dB

DI

94.5

dB μ V

LgAv

M1 S2

Start 30 MHz

Stop 40.00 GHz

#Res BW 1 MHz

#VBW 1 MHz

#Sweep 199.9 ms (601 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	2.41 GHz	114.84 dB μ V



CH Mid

Agilent

R T

Mkr1 2.44 GHz
116.27 dB μ VRef 138 dB μ V

Atten 30 dB

Peak

Log

10

dB/

Offst

11

dB

DI

96.3

dB μ V

LgAv

M1 S2

Start 30 MHz

Stop 40.00 GHz

#Res BW 1 MHz

#VBW 1 MHz

#Sweep 199.9 ms (601 pts)

Marker

Trace

Type

X Axis

Amplitude

1

(1)

Freq

2.44 GHz

116.27 dB μ V

CH High

Agilent

R T

Mkr1 2.46 GHz
117.64 dB μ VRef 138 dB μ V

Atten 30 dB

Peak

Log

10

dB/

Offst

11

dB

DI

97.6

dB μ V

LgAv

M1 S2

Start 30 MHz

Stop 40.00 GHz

#Res BW 1 MHz

#VBW 1 MHz

#Sweep 199.9 ms (601 pts)

Marker

Trace

Type

X Axis

Amplitude

1

(1)

Freq

2.46 GHz

117.64 dB μ V



7.5. RADIATED EMISSIONS

LIMIT

1. According to §15.209(a), except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
30-88	100*	3
88-216	150*	3
216-960	200*	3
Above 960	500	3

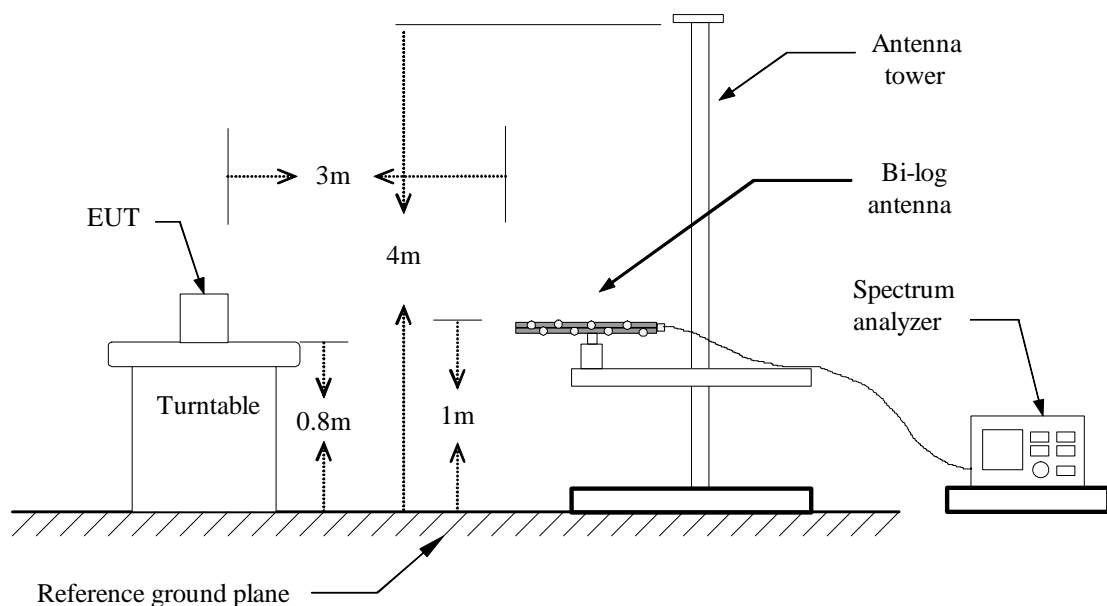
Remark: Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

2. In the emission table above, the tighter limit applies at the band edges.

Frequency (MHz)	Field Strength ($\mu\text{V/m}$ at 3-meter)	Field Strength (dB $\mu\text{V/m}$ at 3-meter)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

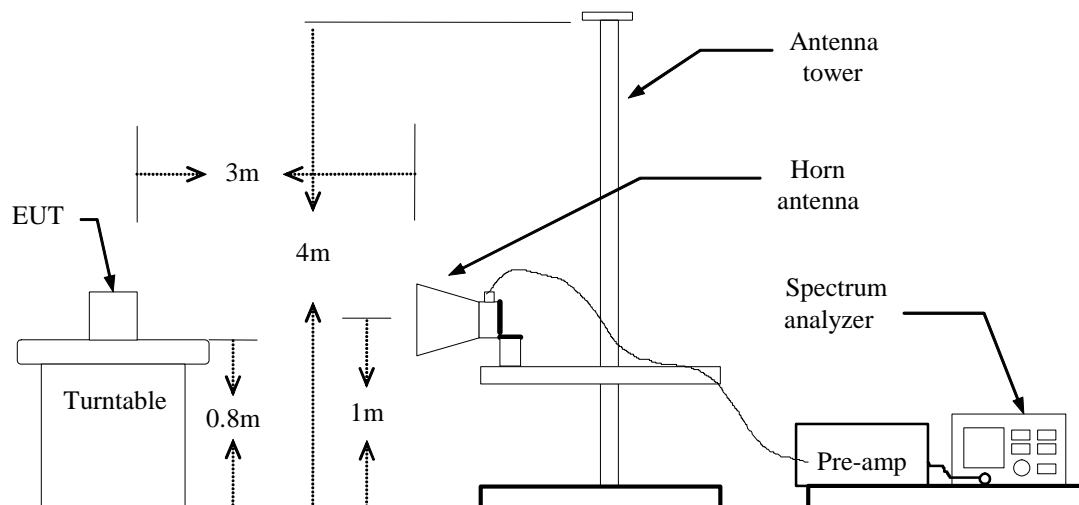
Test Configuration

Below 1 GHz





Above 1 GHz



TEST PROCEDURE

1. The EUT is placed on a turntable, which is 0.8m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Set the spectrum analyzer in the following setting as:

Below 1GHz:

RBW=100kHz / VBW=300kHz / Sweep=AUTO

Above 1GHz:

(a) PEAK: RBW=VBW=1MHz / Sweep=AUTO

(b) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO

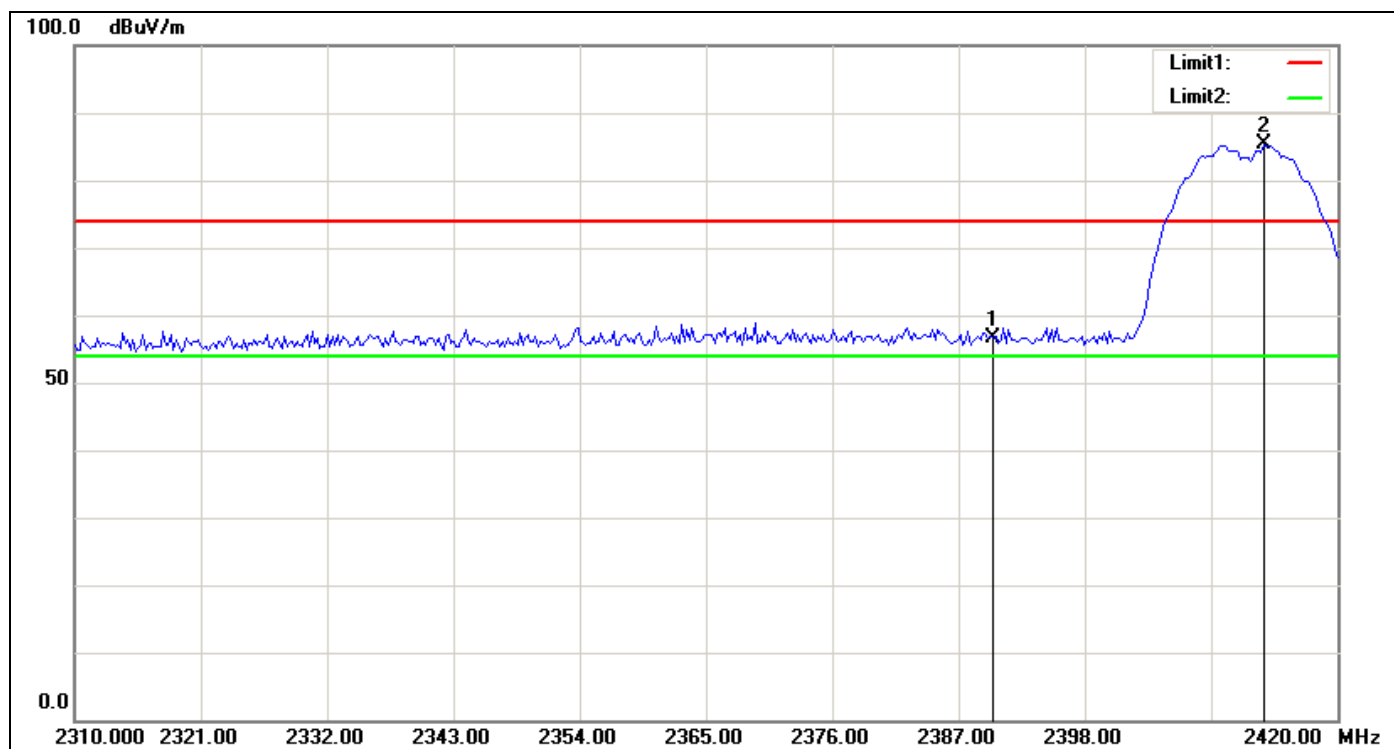
7. Repeat above procedures until the measurements for all frequencies are complete.

TEST RESULTS



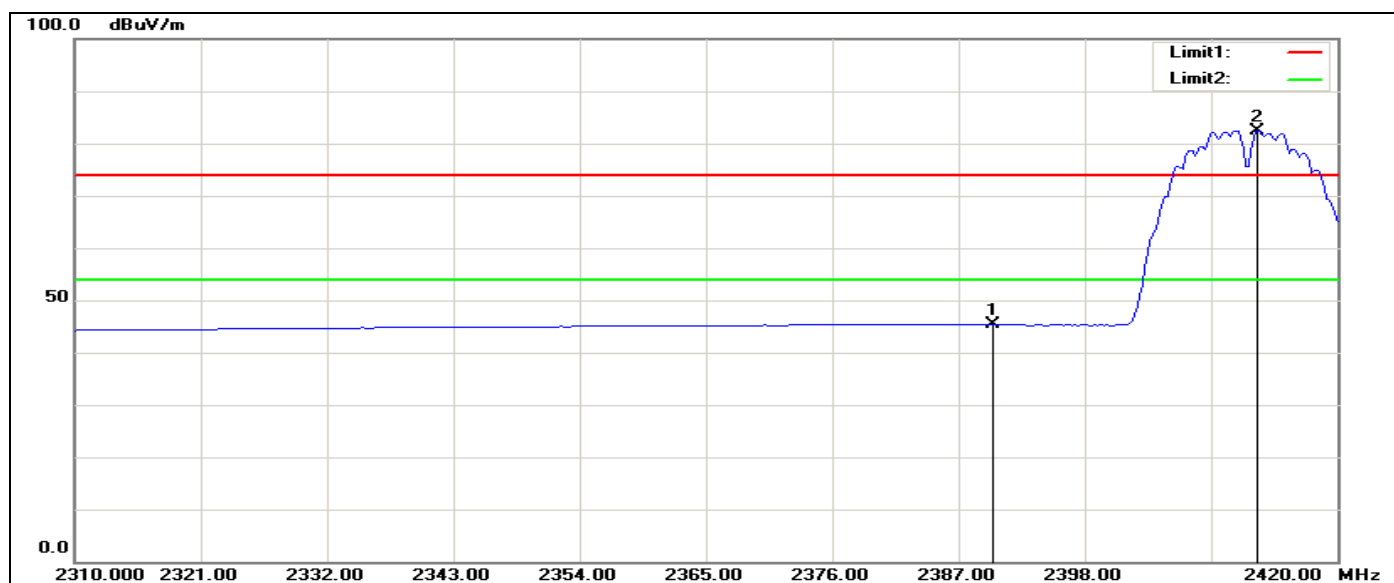
RESTRICTED BANDEDGE (b Mode, Low Channel, Horizontal)

PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2390.000	25.86	30.80	56.66	74.00	-17.34	100	99	peak
2	2413.607	54.39	30.89	85.28	74.00	11.28	100	99	peak

AVG

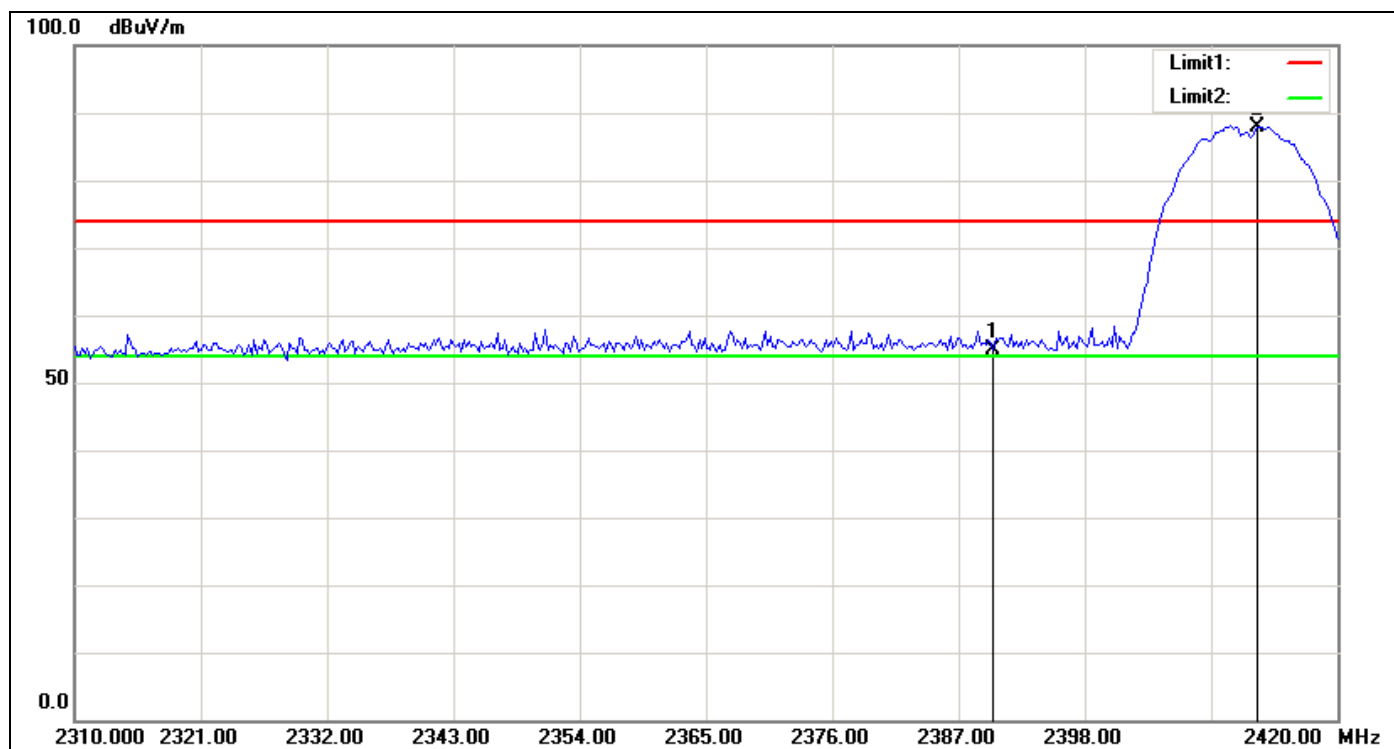


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2390.000	14.49	30.80	45.29	54.00	-8.71	100	99	AVG
2	2413.000	51.62	30.88	82.50	54.00	28.50	100	99	AVG



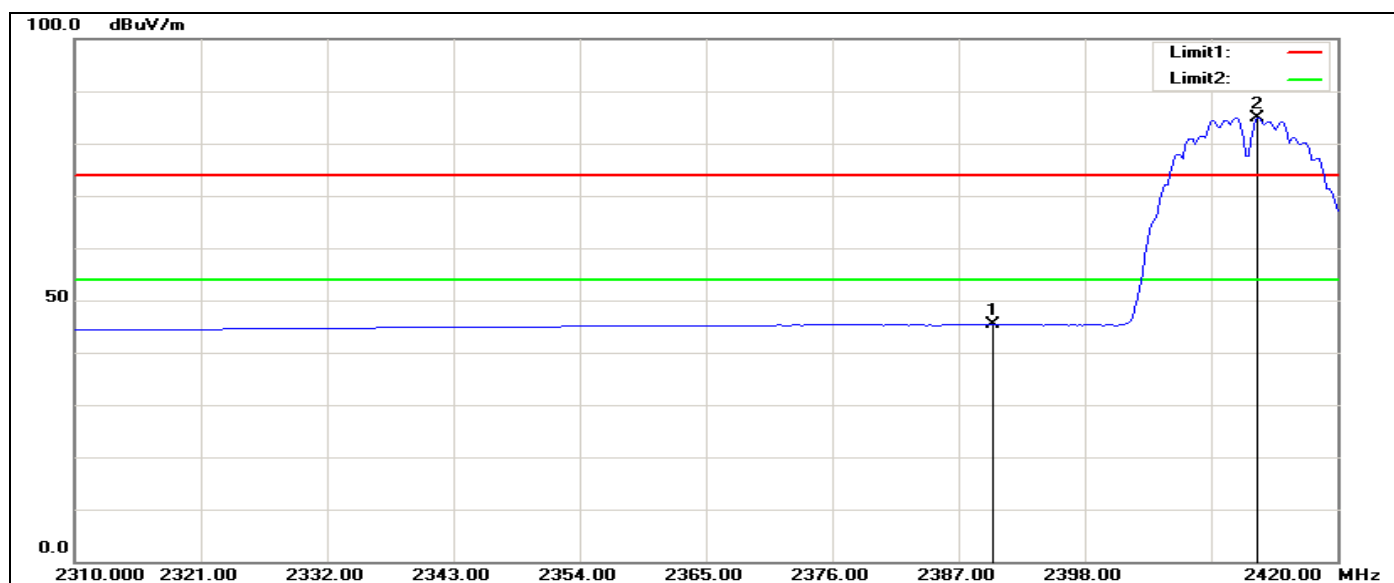
RESTRICTED BANDEDGE (b Mode, Low Channel, Vertical)

PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2390.000	24.10	30.80	54.90	74.00	-19.10	100	199	peak
2	2413.000	57.03	30.88	87.91	74.00	13.91	100	199	peak

AVG

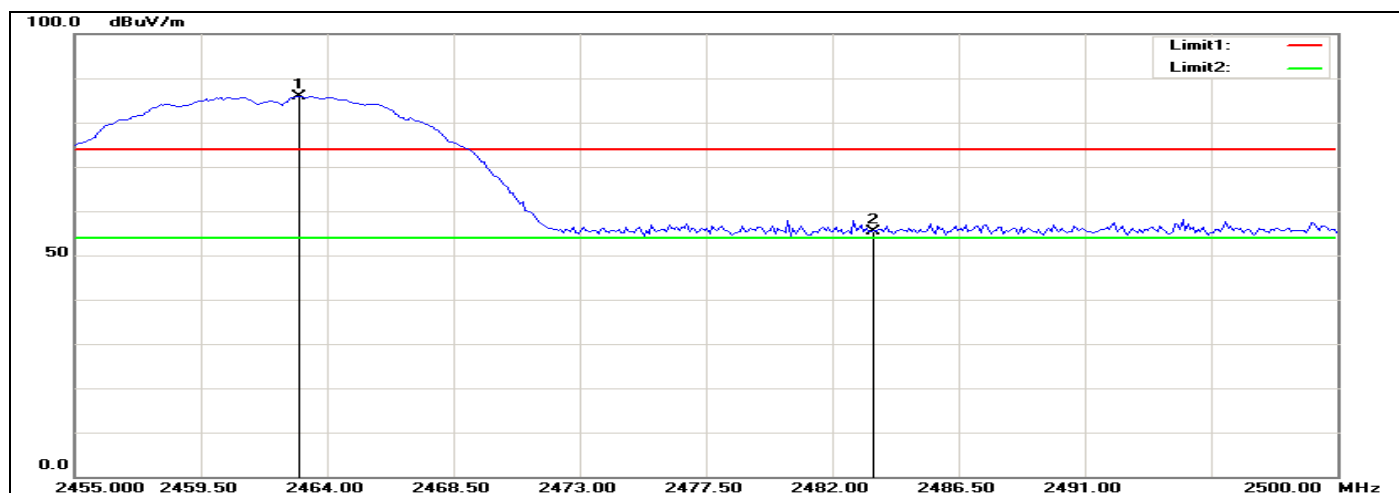


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2390.000	14.50	30.80	45.30	54.00	-8.70	100	199	AVG
2	2413.000	53.89	30.88	84.77	54.00	30.77	100	199	AVG



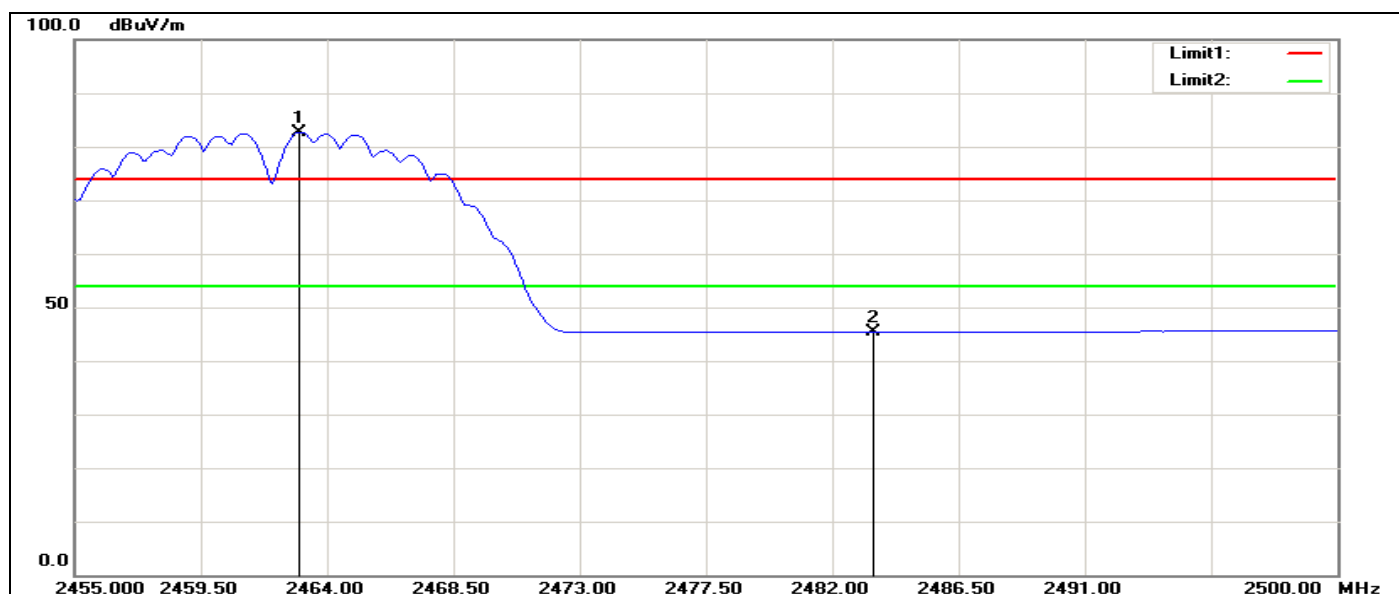
RESTRICTED BANDEDGE (b Mode, High Channel, Horizontal)

PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2463.000	54.79	31.06	85.85	74.00	11.85	100	123	peak
2	2483.500	24.20	31.13	55.33	74.00	-18.67	100	123	peak

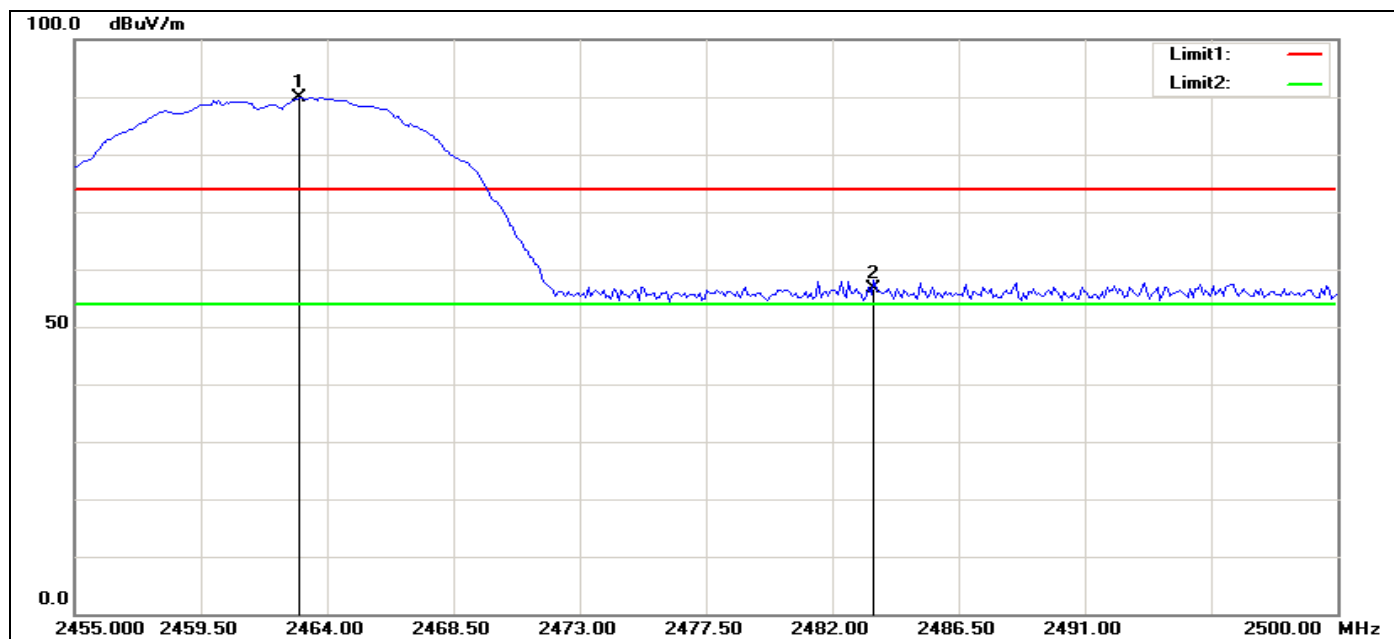
AVG



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2463.000	51.61	31.06	82.67	54.00	28.67	100	123	AVG
2	2483.500	14.29	31.13	45.42	54.00	-8.58	100	123	AVG

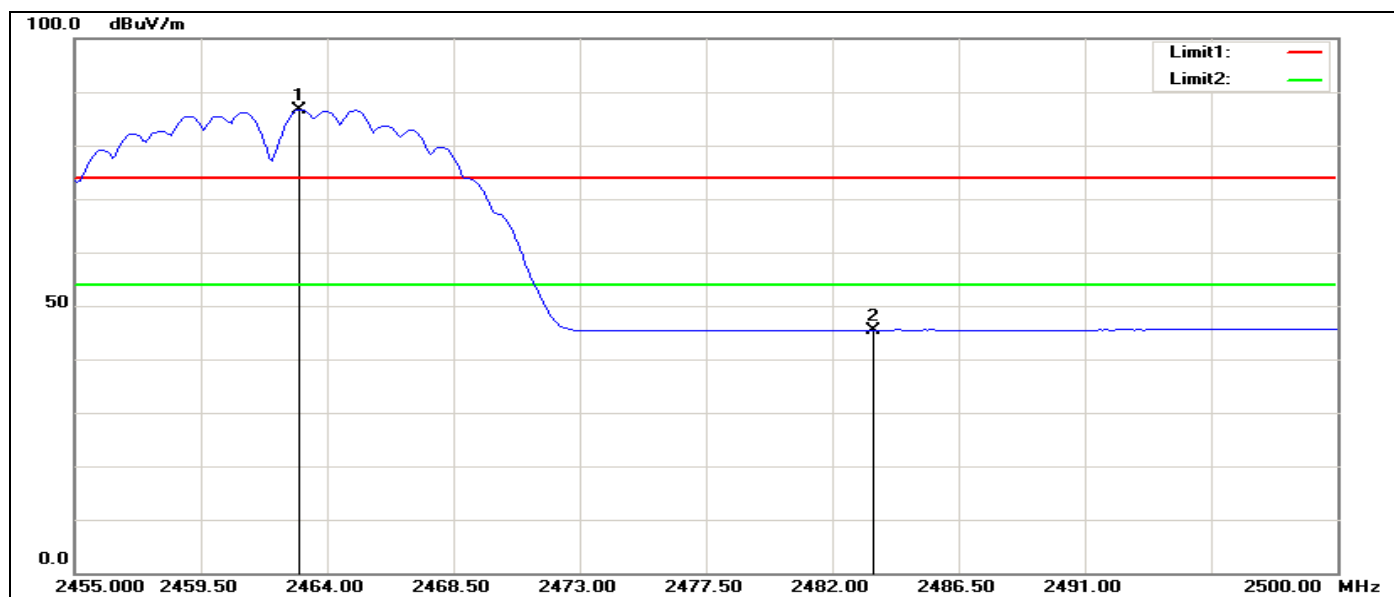
RESTRICTED BANDEDGE (b Mode, High Channel, Vertical)

PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2463.000	58.71	31.06	89.77	74.00	15.77	100	321	peak
2	2483.500	25.46	31.13	56.59	74.00	-17.41	100	321	peak

AVG



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2463.000	55.68	31.06	86.74	54.00	32.74	100	321	AVG
2	2483.500	14.33	31.13	45.46	54.00	-8.54	100	321	AVG

RESTRICTED BANDEDGE (g Mode, Low Channel, Horizontal)

PEAK

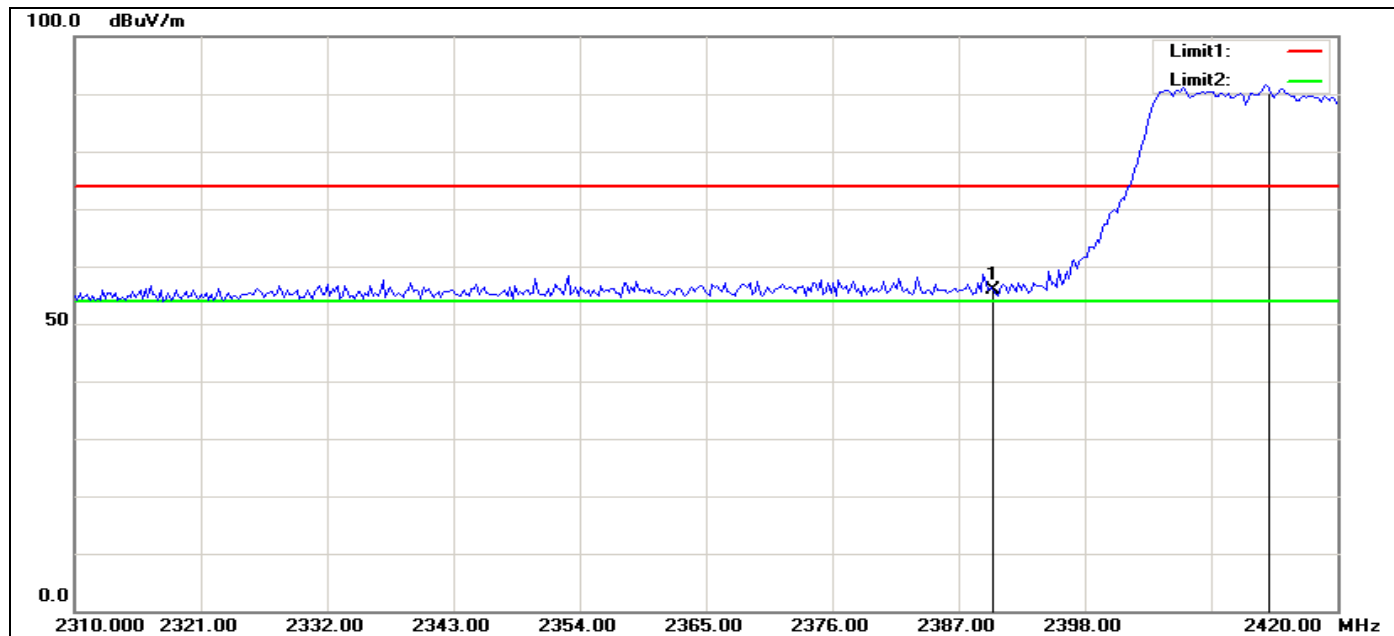


Compliance Certification Services Inc.

Report No: KS121018A05-RPW

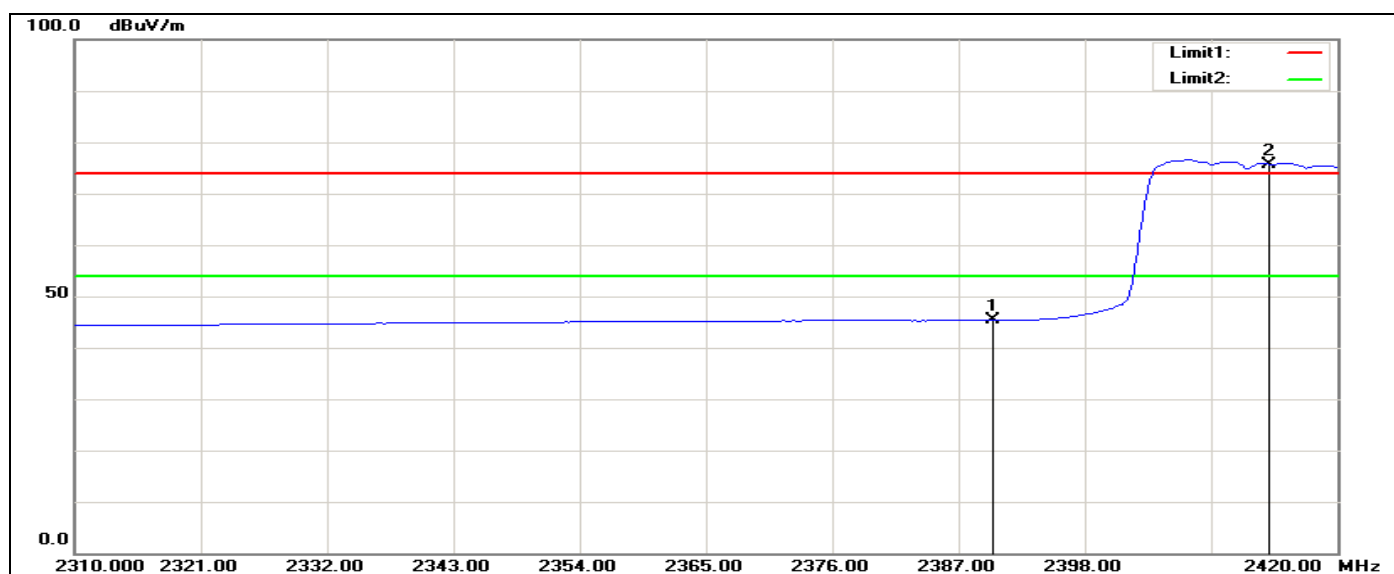
FCC ID: COYA35

Date of Issue :November 5, 2012



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2390.000	25.14	30.80	55.94	74.00	-18.06	100	160	peak
2	2414.000	60.30	30.89	91.19	74.00	17.19	100	160	peak

AVG

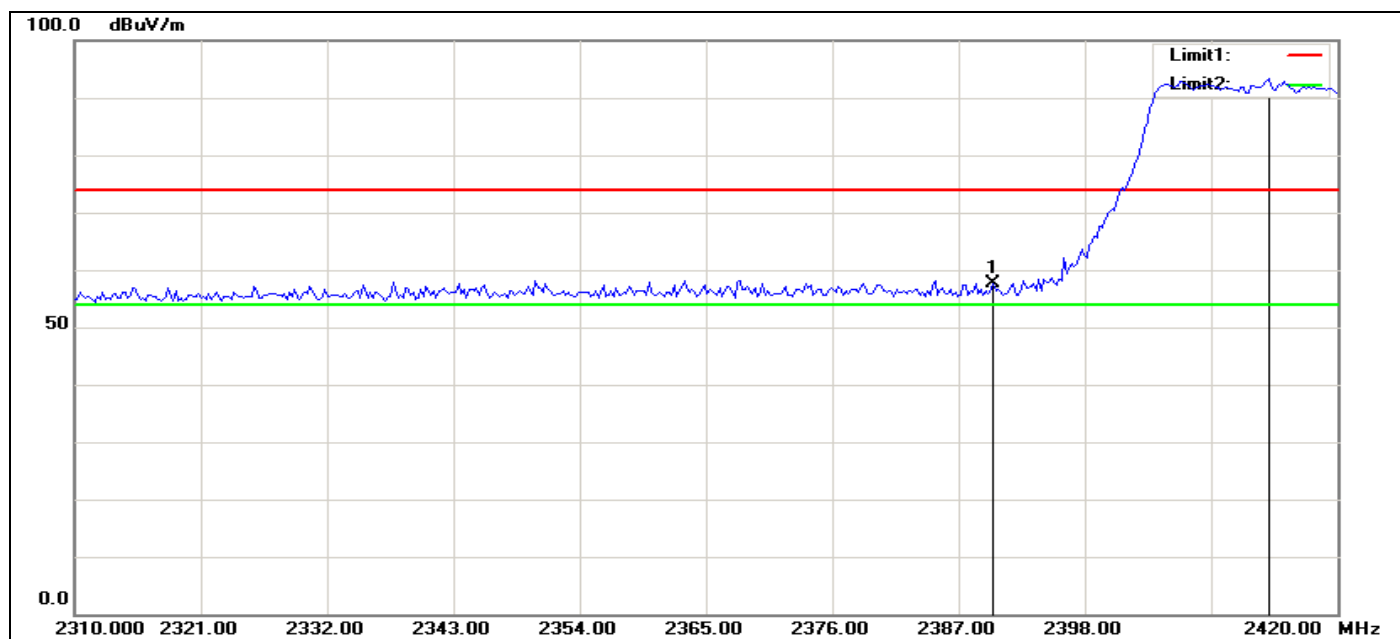


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2390.000	14.54	30.80	45.34	54.00	-8.66	100	160	AVG
2	2414.000	44.86	30.89	75.75	54.00	21.75	100	160	AVG



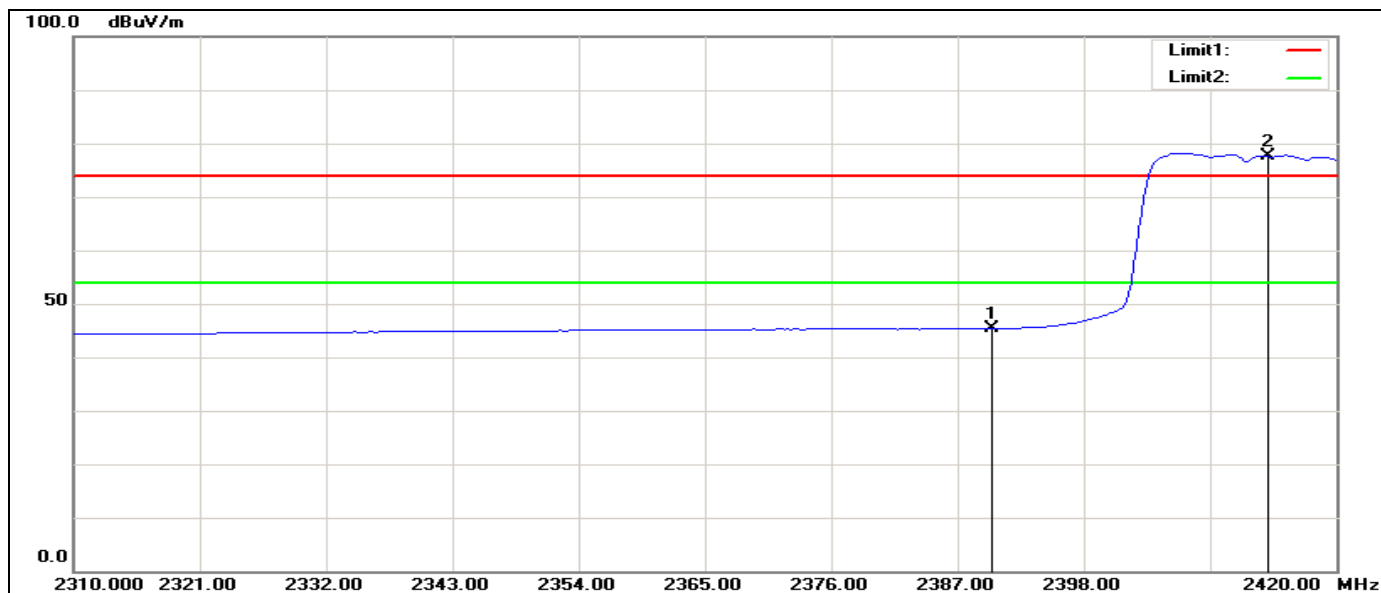
RESTRICTED BANDEDGE (g Mode, Low Channel, Vertical)

PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2390.000	26.85	30.80	57.65	74.00	-16.35	100	126	peak
2	2414.000	62.50	30.89	93.39	74.00	19.39	100	126	peak

AVG



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2390.000	14.55	30.80	45.35	54.00	-8.65	100	126	AVG
2	2414.000	46.64	30.89	77.53	54.00	23.53	100	126	AVG

RESTRICTED BANDEDGE (g Mode, High Channel, Horizontal)

PEAK

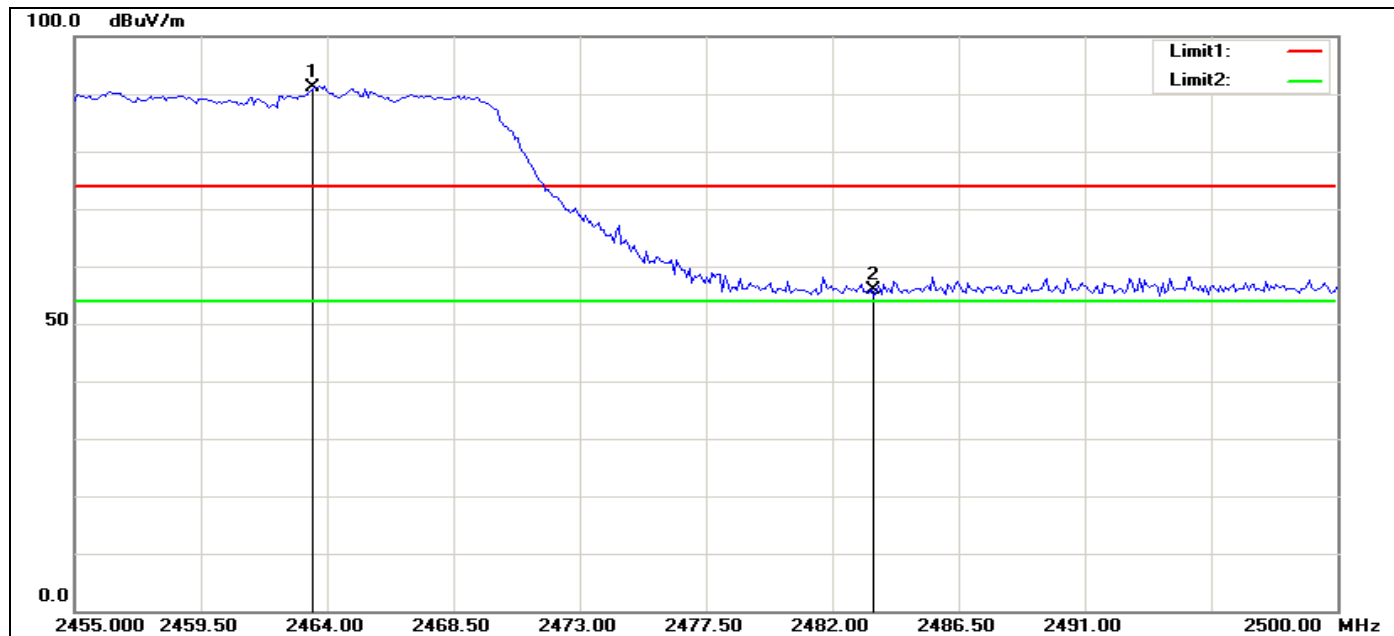


Compliance Certification Services Inc.

Report No: KS121018A05-RPW

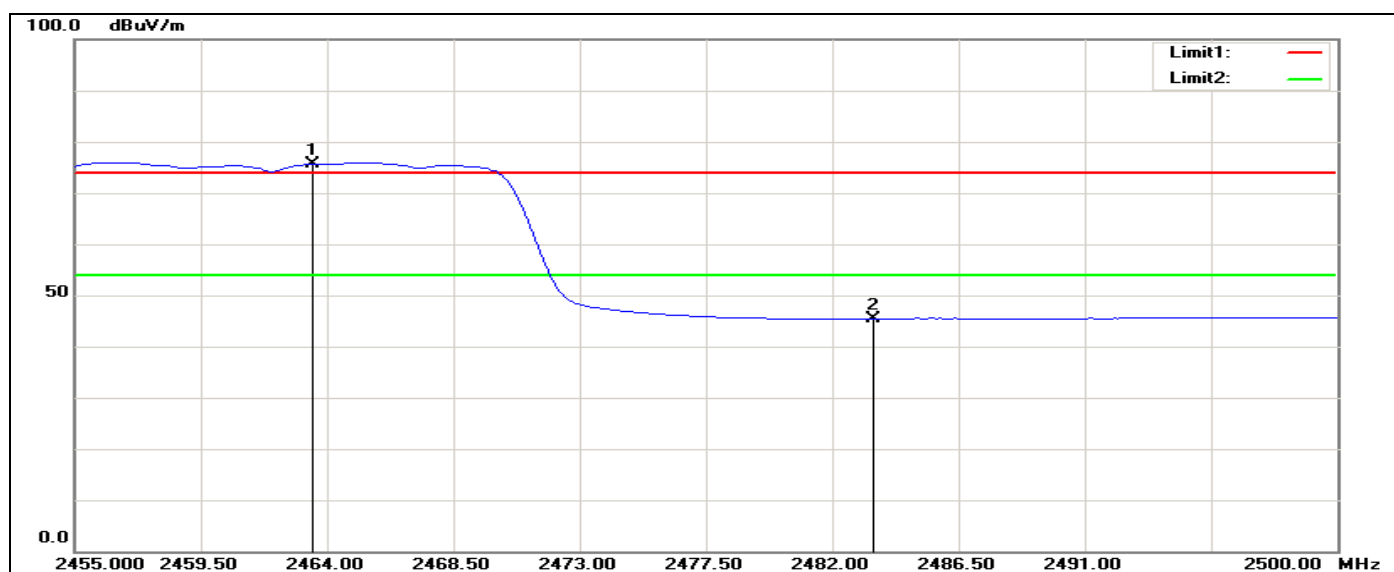
FCC ID: COYA35

Date of Issue :November 5, 2012



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2463.500	60.01	31.07	91.08	74.00	17.08	100	195	peak
2	2483.500	24.63	31.13	55.76	74.00	-18.24	100	195	peak

AVG

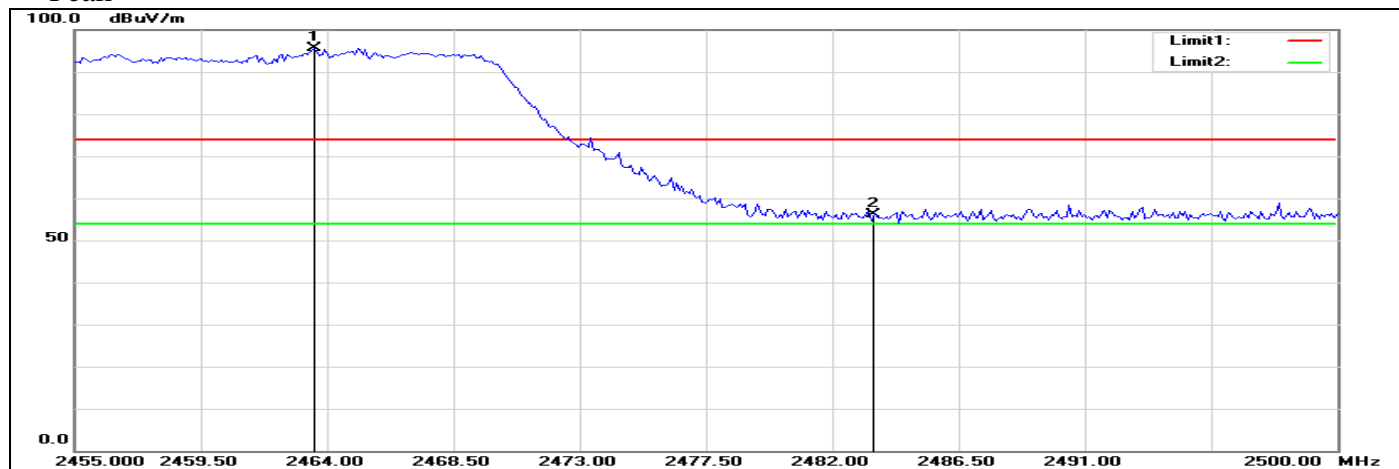


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2463.500	44.58	31.07	75.65	54.00	21.65	100	195	AVG
2	2483.500	14.32	31.13	45.45	54.00	-8.55	100	195	AVG



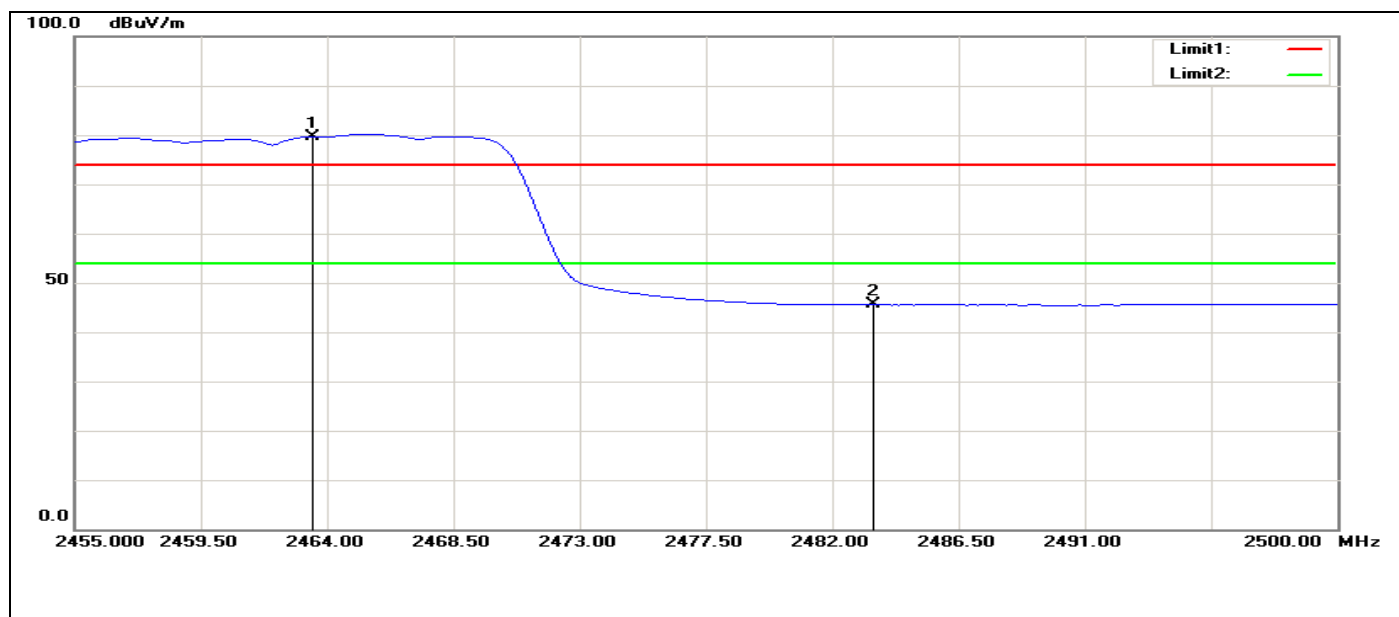
RESTRICTED BANDEDGE (g Mode, High Channel, Vertical)

Peak



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2463.567	64.68	31.07	95.75	74.00	21.75	100	196	peak
2	2483.500	24.93	31.13	56.06	74.00	-17.94	100	196	peak

AVG



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2463.500	48.65	31.07	79.72	54.00	25.72	100	196	AVG
2	2483.500	14.38	31.13	45.51	54.00	-8.49	100	196	AVG

**Below 1GHz****Operation Mode:** Normal Link**Test Date:** October 29,2012**Temperature:** 22°C**Tested by:** Sean Yu**Humidity:** 48% RH**Polarity:** Ver. / Hor.

Frequency (MHz)	Ant. Pol. (H/V)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
43.6072	V	18.51	12.95	31.46	40.00	-8.54	peak
57.2144	V	23.11	8.33	31.44	40.00	-8.56	peak
171.9038	V	17.17	13.05	30.22	43.50	-13.28	peak
245.7715	V	17.29	13.54	30.83	46.00	-15.17	peak
550.9619	V	5.87	20.60	26.47	46.00	-19.53	peak
599.5591	V	6.82	20.96	27.78	46.00	-18.22	peak
57.2144	H	12.26	8.33	20.59	40.00	-19.41	peak
171.9038	H	9.41	13.05	22.46	43.50	-21.04	peak
245.7715	H	17.92	13.54	31.46	46.00	-14.54	peak
319.6393	H	5.20	15.78	20.98	46.00	-25.02	peak
613.1663	H	4.79	21.38	26.17	46.00	-19.83	peak
790.0601	H	4.40	23.98	28.38	46.00	-17.62	peak

Remark:

1. Measuring frequencies from 30 MHz to the 1GHz (No emission found between lowest internal used/generated frequency to 30 MH).
2. Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using peak/quasi-peak detector mode.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
4. $\text{Margin (dB)} = \text{Result (dBuV/m)} - \text{Limit (dBuV/m)}$.



Compliance Certification Services Inc.

Report No: KS121018A05-RPW

FCC ID: COYA35

Date of Issue :November 5, 2012

Above 1 GHz

Operation Mode: TX / IEEE 802.11b / CH Low

Test Date: October 29,2012

Temperature: 22°C

Tested by: Sean Yu

Humidity: 48 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Ant. Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin Peak(dB)	Margin AVG(dB)
4865.59	V	36.55	28.49	12.46	49.01	40.95	74	54	-24.99	-13.05
7307.74	V	38.49	27.25	15.29	53.78	42.54	74	54	-20.22	-11.46
4866.59	H	34.29	28.25	12.28	46.57	40.53	74	54	-27.43	-13.47
7321.19	H	38.49	27.49	15.49	53.98	42.98	74	54	-20.02	-11.02
N/A										

Operation Mode: TX / IEEE 802.11b / CH Mid

Test Date: October 29,2012

Temperature: 22°C

Tested by: Sean Yu

Humidity: 48 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Ant. Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin Peak(dB)	Margin AVG(dB)
4865.77	V	36.55	28.26	12.11	48.66	40.37	74	54	-25.34	-13.63
7307.85	V	38.02	27.33	13.62	51.64	40.95	74	54	-22.36	-13.05
4866.35	H	34.28	28.49	12.11	46.39	40.6	74	54	-27.61	-13.4
7321.55	H	38.29	27.25	13.62	51.91	40.87	74	54	-22.09	-13.13
N/A										



Compliance Certification Services Inc.

Report No: KS121018A05-RPW

FCC ID: COYA35

Date of Issue :November 5, 2012

Operation Mode: TX / IEEE 802.11b / CH High

Test Date: October 29,2012

Temperature: 22°C

Tested by:Sean Yu

Humidity: 48 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Ant. Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin Peak(dB)	Margin AVG(dB)
4921.3	V	36.21	28.44	12.93	49.14	41.37	74	54	-24.86	-12.63
7378.25	V	38.12	27.35	15.82	53.94	43.17	74	54	-20.06	-10.83
4923.2	H	34.55	28.54	12.93	47.48	41.47	74	54	-26.52	-12.53
7380.1	H	38.34	27.26	15.82	54.16	43.08	74	54	-19.84	-10.92
N/A										

Operation Mode: TX / IEEE 802.11g / CH Low

Test Date: October 29,2012

Temperature: 24°C

Tested by:Sean Yu

Humidity: 48 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Ant. Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin Peak(dB)	Margin AVG(dB)
4819.55	V	36.12	28.21	12.41	48.53	40.62	74	54	-25.47	-13.38
7233.35	V	34.65	25.49	15.48	50.13	40.97	74	54	-23.87	-13.03
4820.25	H	34.26	28.21	12.41	46.67	40.62	74	54	-27.33	-13.38
7238.2	H	38.23	27.46	15.48	53.71	42.94	74	54	-20.29	-11.06
N/A										



Compliance Certification Services Inc.

Report No: KS121018A05-RPW

FCC ID: COYA35

Date of Issue :November 5, 2012

Operation Mode: TX / IEEE 802.11g / CH Mid

Test Date: October 29,2012

Temperature: 24°C

Tested by: Sean Yu

Humidity: 48 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Ant. Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin Peak(dB)	Margin AVG(dB)
4876.49	V	36.23	28.53	12.68	48.91	41.21	74	54	-25.09	-12.79
7320.2	V	38.16	27.13	15.76	53.92	42.89	74	54	-20.08	-11.11
4875.36	H	34.49	28.26	12.68	47.17	40.94	74	54	-26.83	-13.06
7318.16	H	38.16	27.16	15.74	53.9	42.9	74	54	-20.1	-11.1
N/A										

Operation Mode: TX / IEEE 802.11g / CH High

Test Date: October 29,2012

Temperature: 24°C

Tested by: Sean Yu

Humidity: 48 % RH

Polarity: Ver. / Hor.

Frequency (MHz)	Ant. Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin Peak(dB)	Margin AVG(dB)
4935.6	V	36.25	28.46	12.94	49.19	41.4	74	54	-24.81	-12.6
7391.25	V	38.12	35.36	15.82	53.94	51.18	74	54	-20.06	-2.82
4925.16	H	34.23	28.46	12.93	47.16	41.39	74	54	-26.84	-12.61
7389.23	H	38.26	27.24	15.82	54.08	43.06	74	54	-19.92	-10.94
N/A										



POWERLINE CONDUCTED EMISSIONS

LIMIT

According to §15.207(a), except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency Range (MHz)	Limits (dB μ V)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56*	56 to 46*
0.50 to 5	56	46
5 to 30	60	50

* Decreases with the logarithm of the frequency.

Test Configuration

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

TEST PROCEDURE

1. The EUT was placed on a table, which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all frequency measured were complete.

TEST RESULTS

The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range. Significant peaks are then marked as shown on the following data page, and these signals are then quasi-peaked.

Test Data



Compliance Certification Services Inc.

Report No: KS121018A05-RPW

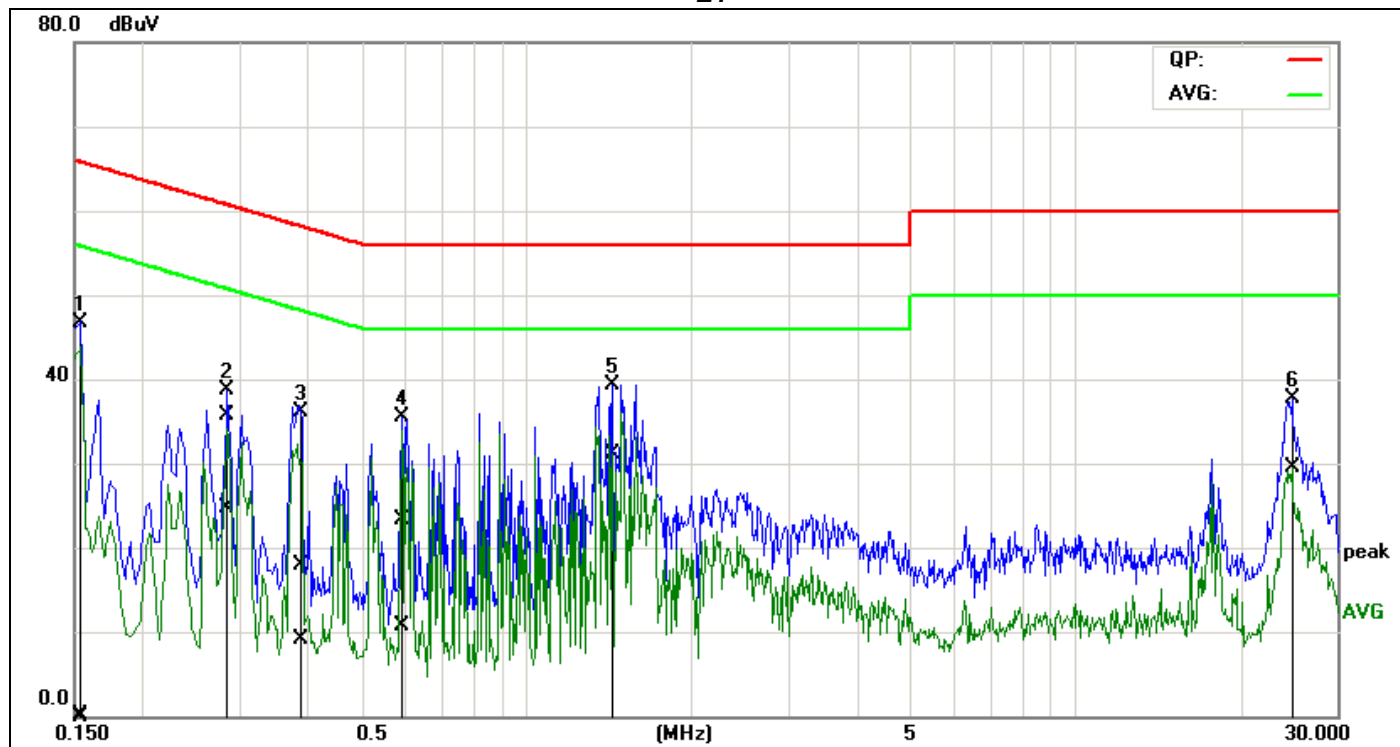
FCC ID: COYA35

Date of Issue :November 5, 2012

Job No.: KS121018A05
Company: Innos
Standard: FCC Class B
Test item: Conduction test
Line: L1
Model: Innos a35

Date: 2012-10-29
Time: 15:32:29
Temp.(C)/Hum.(%): 22(C)/48%
Test By: Jarry.xu
Test Voltage: AC 120V/60Hz
Description: Mode 1

L1



No.	Frequency (MHz)	QuasiPeak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	QuasiPeak result (dBuV)	Average result (dBuV)	QuasiPeak limit (dBuV)	Average limit (dBuV)	QuasiPeak margin (dB)	Average margin (dB)	Remark
1	0.1491	-10.05	-11.81	10.25	0.20	-1.56	66.04	56.05	-65.84	-57.61	Pass
2	0.2811	25.38	14.47	10.27	35.65	24.74	60.78	50.78	-25.13	-26.04	Pass
3	0.3896	7.61	-1.11	10.30	17.91	9.19	58.07	48.07	-40.16	-38.88	Pass
4	0.5853	12.98	0.47	10.29	23.27	10.76	56.00	46.00	-32.73	-35.24	Pass
5*	1.4340	29.08	20.76	10.25	39.33	31.01	56.00	46.00	-16.67	-14.99	Pass
6	24.8140	26.76	18.49	10.92	37.68	29.41	60.00	50.00	-22.32	-20.59	Pass

Note: 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).



Compliance Certification Services Inc.

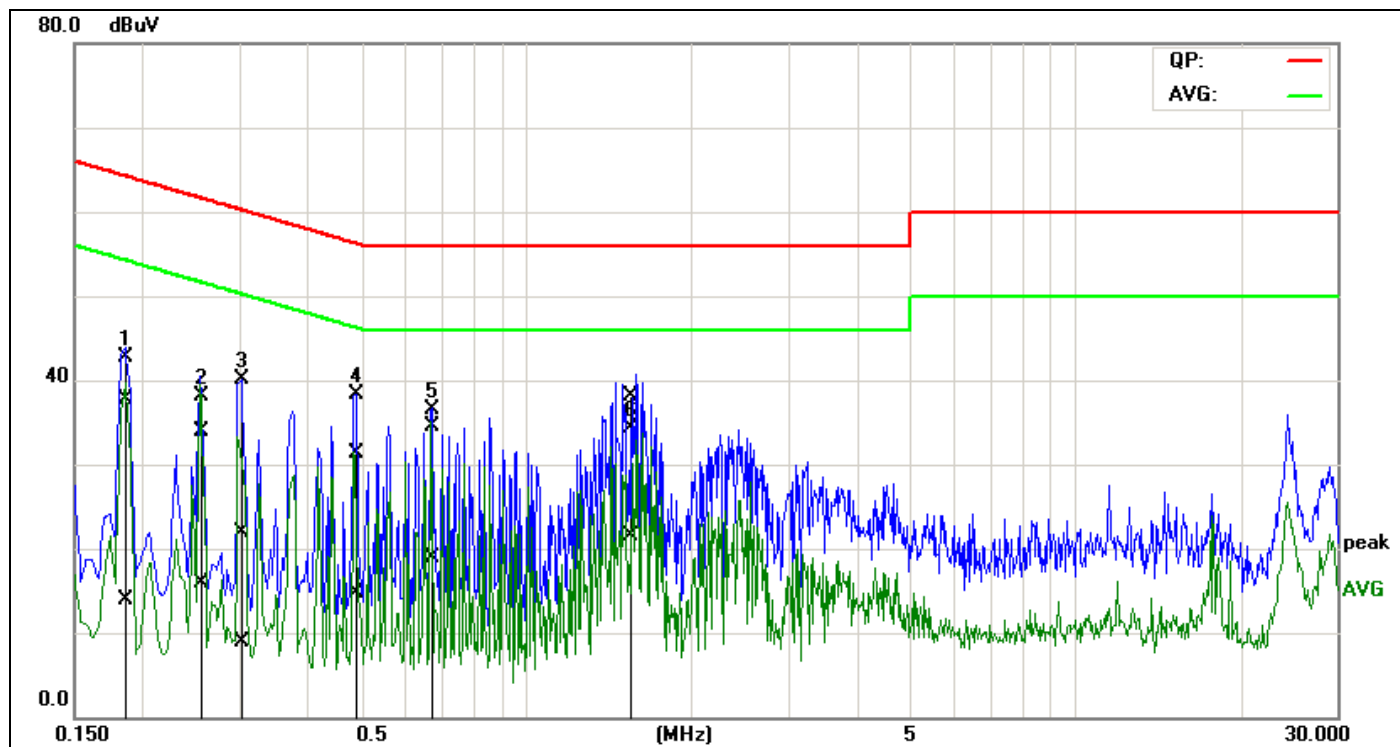
Report No: KS121018A05-RPW

FCC ID: COYA35

Date of Issue :November 5, 2012

Job No.: KS121018A05
Company: Innos
Standard: FCC Class B
Test item: Conduction test
Line: L2
Model: Innos a35

Date: 2012-10-29
Time: 15:36:59
Temp.(C)/Hum.(%): 22(C)/48%
Test By: Jarry.xu
Test Voltage: AC 120V/60Hz
Description: Mode 1



No.	Frequency (MHz)	QuasiPeak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	QuasiPeak result (dBuV)	Average result (dBuV)	QuasiPeak limit (dBuV)	Average limit (dBuV)	QuasiPeak margin (dB)	Average margin (dB)	Remark
1	0.1878	27.45	3.48	10.34	37.79	13.82	64.13	54.13	-26.34	-40.31	Pass
2	0.2562	23.52	5.53	10.41	33.93	15.94	61.55	51.55	-27.62	-35.61	Pass
3	0.3029	11.50	-1.52	10.50	22.00	8.98	60.16	50.16	-38.16	-41.18	Pass
4	0.4940	20.61	3.89	10.77	31.38	14.66	56.10	46.10	-24.72	-31.44	Pass
5	0.6638	23.61	8.11	10.80	34.41	18.91	56.00	46.00	-21.59	-27.09	Pass
6*	1.5286	27.25	10.53	10.90	38.15	21.43	56.00	46.00	-17.85	-24.57	Pass

Note: 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).