TESTING LABORATORY
CERTIFICATE#4323.01

FCC PART 15.247

TEST REPORT

For

Changxing Potek Electronics & Technology Co., Ltd.

No. 289 Nanzhuang Road, Economic Development Zone, ChangXing County, HuZhou City, ZheJiang, China

FCC ID: 2AMV5-SK517-W

Report Type:	Product Type:
CIIPC Report	WIFI Smart Plug

Test Engineer:	Max Min
Report Number:	RKSA190711001-00A
Report Date:	2019-08-02
Reviewed By:	Oscar Ye RF Leader
Prepared By:	Bay Area Compliance Laboratories Corp. (Kunshan) No.248 Chenghu Road, Kunshan, Jiangsu province, China Tel: +86-0512-86175000 Fax: +86-0512-88934268 www.baclcorp.com.cn

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	Changxing Potek Electronics & Technology Co., Ltd.
Tested Model:	SK517-W
Series Model:	RCWFII11,CCRCWFII11,CURCWFII11,SURCWFII11,LRCWFII11, ORRCWFII11,RCWFII112PK,CCRCWFII112PK,CURCWFII112PK, SURCWFII112PK,RCWFII113PK,CCRCWFII113PK,1226565, CURCWFII113PK, SURCWFII113PK,50000,8077012
Model Difference:	Model names
Product Type:	WIFI Smart Plug
Dimension:	50 mm (L)*50 mm (W)*51 mm(H)
Power Supply:	AC120V from AC mains

**All measurement and test data in this report was gathered from production sample serial number: 20190711001. (Assigned by the BACL). The EUT supplied by the applicant was received on 2019-07-11.*

Objective

This report is prepared on behalf of *Changxing Potek Electronics & Technology Co., Ltd.* in accordance with Part 2-Subpart J, Part 15-Subparts A and C of the Federal Communication Commissions rules.

The tests were performed in order to determine Compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.209 and 15.247 rules.

This is a CIIPC report base on the original report RKSA190117002-00A with FCC ID: 2AMV5-SK517-W which was granted on 2019-04-01, the differences between the original device and the current one are as follows:

1. Remove the WIFI module shield cover and this change will affect radiation spurious testing, for additional reference to the original report

2. Add Series model “50000, 8077012”.

Related Submittal(s)/Grant(s)

N/A

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices and FCC 558074 D01 15.247 Meas Guidance v05r02.

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Kunshan). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Measurement Uncertainty

Item		Uncertainty
AC Power Lines Conducted Emissions		3.19dB
RF conducted test with spectrum		0.9dB
RF Output Power with Power meter		0.5dB
Radiated emission	30MHz~1GHz	6.11dB
	1GHz~6GHz	4.45dB
	6GHz~18GHz	5.23dB
	18GHz~40GHz	5.65dB
Occupied Bandwidth		0.5kHz
Temperature		1.0℃
Humidity		6%

Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu province, China.

Bay Area Compliance Laboratories Corp. (Kunshan) Lab is accredited to ISO/IEC 17025 by A2LA (Lab code: 4323.01) and the FCC designation No. CN1185 under the FCC KDB 974614 D01 and CAB identifier CN0004 under the ISED requirement. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2014.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

Test channel list is as below:

For 802.11b, 802.11g and 802.11n-HT20 mode, EUT was tested with Channel 1, 6 and 11;

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	7	2442
2	2417	8	2447
3	2422	9	2452
4	2427	10	2457
5	2432	11	2462
6	2437	/	/

Equipment Modifications

No modification was made to the EUT tested.

EUT Exercise Software

RF test tool: Secure CRT

Pre-scan with all the data rates, and the worst case was performed as below:

Mode	Data Rate	Power Level
802.11b	1 Mbps	14
802.11g	6 Mbps	8
802.11n-HT20	MCS0	8

Support Equipment List and Details

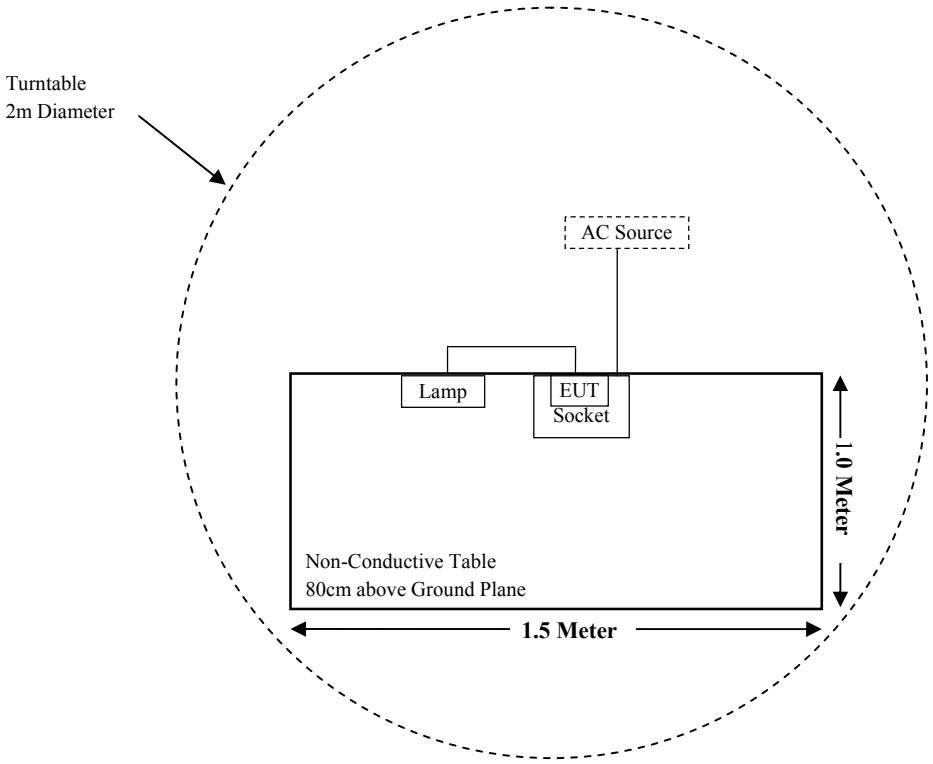
Manufacturer	Description	Model	Serial Number
OPPLE	Lamp	/	/

External I/O Cable

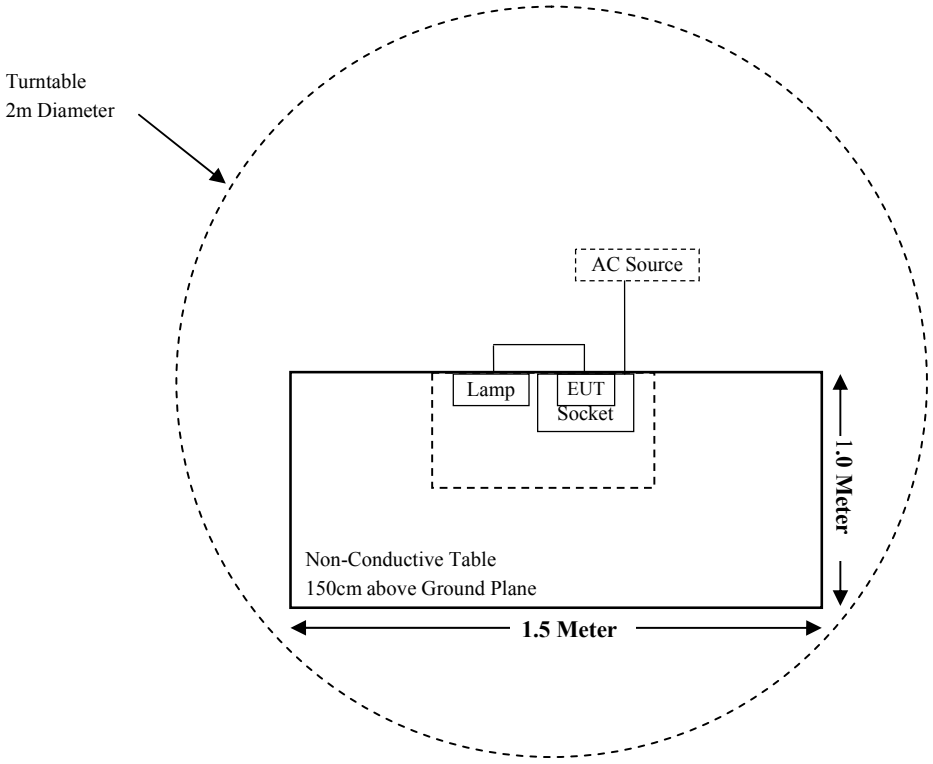
Cable Description	Length (m)	From Port	To
Power Cable	1.0	EUT	Lamp
Power Cable	1.0	Socket	AC Source

Block Diagram of Test Setup

For Radiated Emissions(Below 1GHz):



For Radiated Emissions(Above 1GHz):



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.205, §15.209, §15.247(d)	Spurious Emissions	Compliant

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test（Chamber 1#）					
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2018-11-12	2019-11-11
Sunol Sciences	Broadband Antenna	JB3	A090413-1	2016-12-26	2019-12-25
Sonoma Instrument	Pre-amplifier	310N	171205	2018-08-14	2019-08-13
Rohde & Schwarz	Auto test Software	EMC32	100361	/	/
MICRO-COAX	Coaxial Cable	Cable-8	008	2018-08-15	2019-08-14
MICRO-COAX	Coaxial Cable	Cable-9	009	2018-08-15	2019-08-14
MICRO-COAX	Coaxial Cable	Cable-10	010	2018-08-15	2019-08-14
Radiated Emission Test（Chamber 2#）					
Rohde & Schwarz	EMI Test Receiver	ESU40	100207	2018-08-27	2019-08-26
ETS-LINDGREN	Horn Antenna	3115	9207-3900	2017-07-15	2020-07-14
ETS-LINDGREN	Horn Antenna	3116	00084159	2016-12-12	2019-12-11
A.H.Systems, inc	Amplifier	2641-1	491	2019-02-20	2020-02-19
EM Electronics Corporation	Amplifier	EM18G40G	060726	2019-03-22	2020-03-21
MICRO-TRONICS	Band Reject Filter	BRM50702	G024	2018-08-05	2019-08-04
Narda	Attenuator	10dB	010	2018-08-15	2019-08-14
Rohde & Schwarz	Auto test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-6	006	2018-08-15	2019-08-14
MICRO-COAX	Coaxial Cable	Cable-11	011	2018-08-15	2019-08-14
MICRO-COAX	Coaxial Cable	Cable-12	012	2018-08-15	2019-08-14
MICRO-COAX	Coaxial Cable	Cable-13	013	2018-08-15	2019-08-14

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

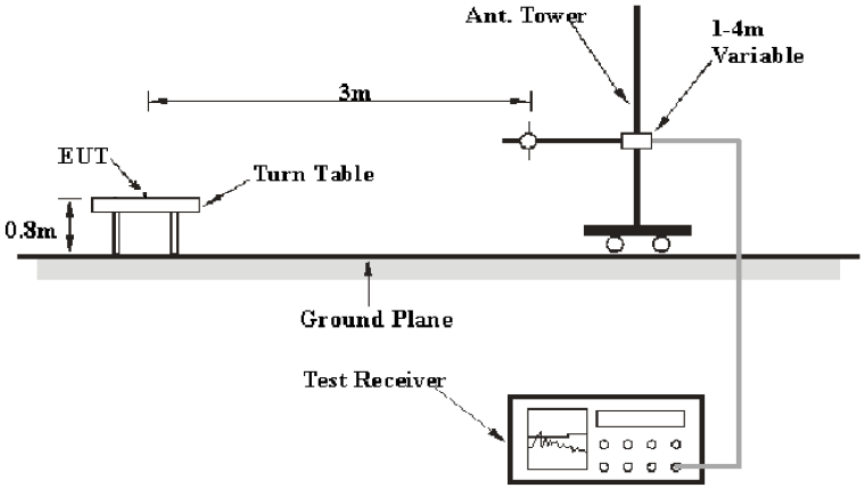
FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS

Applicable Standard

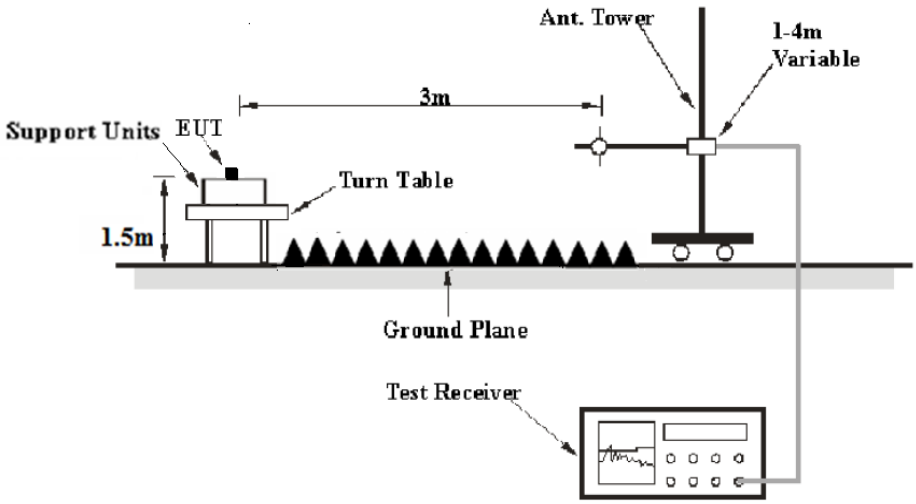
FCC §15.247 (d); §15.209; §15.205;

EUT Setup

Below 1 GHz:



Above 1GHz:



The radiated emission tests were performed in the 3 meters test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209, and FCC 15.247 limits.

EMI Test Receiver Setup

The system was investigated from 30 MHz to 25 GHz.

During the radiated emission test, the EMI test receiver setup was set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Detector
30 MHz – 1000 MHz	120 kHz	300 kHz	120 kHz	QP
Above 1GHz	1MHz	3 MHz	/	PK
	1MHz	3 MHz	/	Ave.

Test Procedure

According to ANSI C63.10-2013 clause 6.5, 6.6 and 6.7.

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

Data was recorded in Quasi-peak detection mode for frequency range of 30MHz - 1GHz, peak and Average detection mode for frequencies above 1 GHz.

Corrected Amplitude & Margin Calculation

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

Corrected Amplitude (dBμV/m) = Meter Reading (dBμV) + Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB)

The "**Margin**" column of the following data tables indicates the degree of Compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Title 47, Part 15, Subpart C, section 15.205, 15.209 and 15.247.

Test Data

Environmental Conditions

Temperature:	25.0℃
Relative Humidity:	50 %
ATM Pressure:	100.3kPa

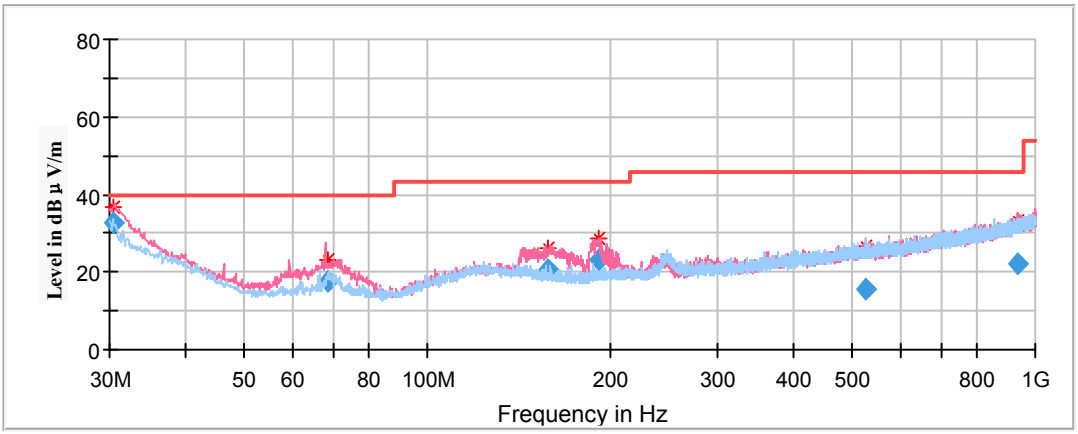
The testing was performed by Max Min from on 2019-08-02.

EUT operation mode: Transmitting

Spurious Emission Test:

30MHz-1GHz:

Scan with 802.11b, 802.11g and 802.11n-HT20 modes of operation in the X,Y and Z axes of orientation, the worst case ***high channel of 802.11b mode in X-axis of orientation*** *was recorded*



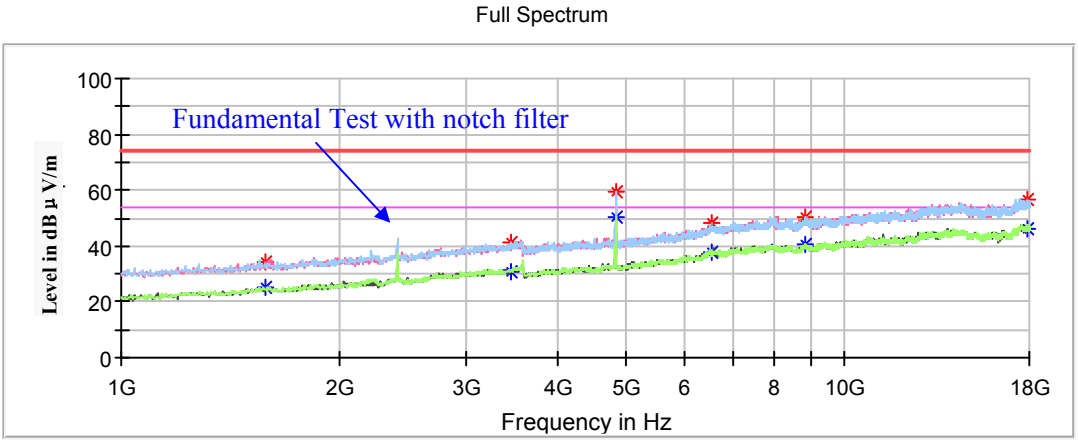
Frequency (MHz)	Corrected Amplitude	Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	QuasiPeak (dBµV/m)	Height (cm)	Polar (H/V)				
30.554293	32.64	100.0	V	187.0	-4.3	40.00	7.36
68.631600	17.83	100.0	V	57.0	-17.4	40.00	22.17
158.410500	20.71	100.0	V	156.0	-12.7	43.50	22.79
191.010400	23.14	100.0	V	297.0	-12.9	43.50	20.36
526.520300	15.63	100.0	H	350.0	-5.9	46.00	30.37
937.004650	21.93	100.0	V	182.0	1.0	46.00	24.07

1GHz-18GHz:

802.11b Mode:
*(Pre-scan in the X,Y and Z axes of orientation, the worst case **X-axis of orientation** was recorded)*

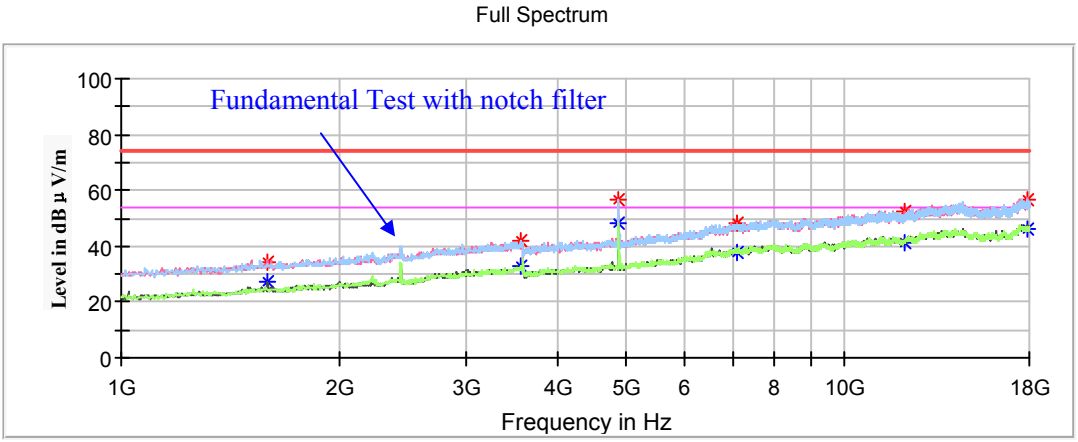
Note:
1. This test was performed with the 2.4-2.5GHz notch filter.
2. Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
   Corrected Amplitude (dBµV /m) = Corrected Factor (dB/m) + Reading (dBµV)
   Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV /m)

Low Channel: 2412MHz



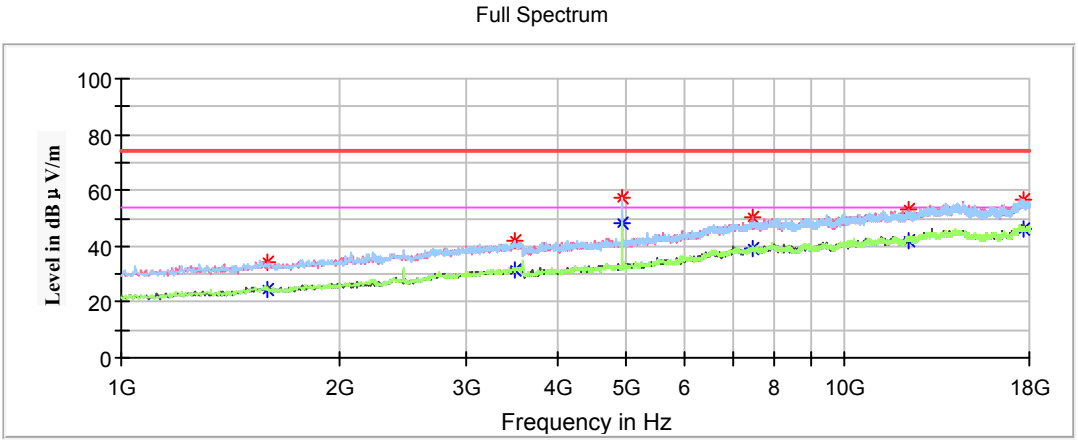
Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV /m)	Average (dBµV /m)	Height (cm)	Polar (H/V)				
1581.400000	---	25.12	100.0	V	170.0	-9.7	54.00	28.88
1581.400000	34.35	---	100.0	V	170.0	-9.7	74.00	39.65
3454.800000	---	31.01	250.0	H	295.0	-3.6	54.00	22.99
3454.800000	41.53	---	250.0	H	295.0	-3.6	74.00	32.47
4824.000000	59.58	---	250.0	H	282.0	-0.5	74.00	14.42
4824.000000	---	50.24	250.0	H	282.0	-0.5	54.00	3.76
6559.000000	---	37.53	150.0	V	243.0	4.5	54.00	16.47
6559.000000	47.92	---	150.0	V	243.0	4.5	74.00	26.08
8833.600000	---	40.66	250.0	H	89.0	7.2	54.00	13.34
8833.600000	50.20	---	250.0	H	89.0	7.2	74.00	23.80
17898.000000	---	45.89	150.0	V	352.0	13.6	54.00	8.11
17898.000000	56.75	---	150.0	V	352.0	13.6	74.00	17.25

Middle Channel: 2437MHz



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	Max Peak (dBµV /m)	Average (dBµV /m)	Height (cm)	Polar (H/V)				
1595.000000	---	26.93	250.0	V	2.0	-9.6	54.00	27.07
1595.000000	34.50	---	250.0	V	2.0	-9.6	74.00	39.50
3563.600000	---	32.62	250.0	H	172.0	-3.3	54.00	21.38
3563.600000	41.62	---	250.0	H	172.0	-3.3	74.00	32.38
4874.000000	---	49.10	150.0	H	161.0	-0.5	54.00	4.90
4874.000000	57.82	---	150.0	H	161.0	-0.5	74.00	16.18
7116.600000	---	37.87	100.0	V	269.0	5.5	54.00	16.13
7116.600000	47.90	---	100.0	V	269.0	5.5	74.00	26.10
12090.800000	---	41.27	250.0	V	321.0	10.1	54.00	12.73
12090.800000	52.50	---	250.0	V	321.0	10.1	74.00	21.50
17925.200000	---	46.30	250.0	H	37.0	13.6	54.00	7.70
17925.200000	56.71	---	250.0	H	37.0	13.6	74.00	17.29

High Channel: 2462MHz

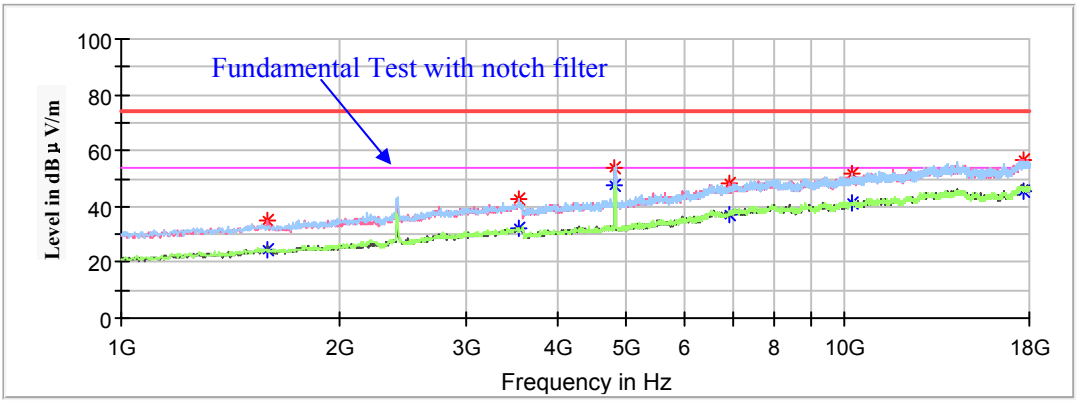


Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	Max Peak (dBµV /m)	Average (dBµV /m)	Height (cm)	Polar (H/V)				
1591.600000	---	24.80	150.0	V	347.0	-9.6	54.00	29.20
1591.600000	34.59	---	150.0	V	347.0	-9.6	74.00	39.41
3492.200000	---	31.52	200.0	H	295.0	-3.6	54.00	22.48
3492.200000	42.09	---	200.0	H	295.0	-3.6	74.00	31.91
4924.000000	---	49.05	150.0	H	161.0	-0.4	54.00	4.95
4924.000000	58.09	---	150.0	H	161.0	-0.4	74.00	15.91
7470.200000	---	39.48	150.0	V	114.0	6.1	54.00	14.52
7470.200000	50.13	---	150.0	V	114.0	6.1	74.00	23.87
12226.800000	---	41.93	100.0	V	87.0	10.2	54.00	12.07
12226.800000	53.38	---	100.0	V	87.0	10.2	74.00	20.62
17711.000000	---	46.19	150.0	H	91.0	13.9	54.00	7.81
17711.000000	56.89	---	150.0	H	91.0	13.9	74.00	17.11

802.11g Mode:
*(Pre-scan in the X,Y and Z axes of orientation, the worst case **X-axis of orientation** was recorded)*

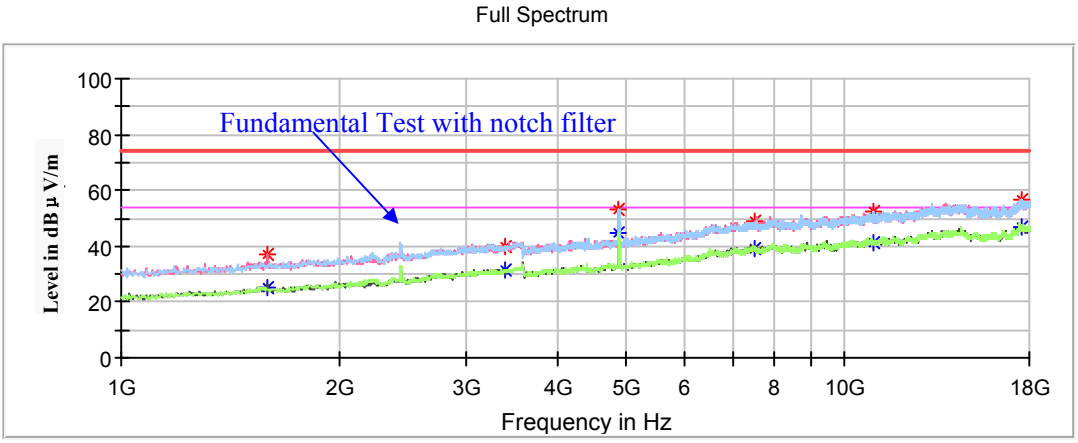
Note:
1. This test was performed with the 2.4-2.5GHz notch filter.
2. Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
   Corrected Amplitude (dBμV /m) = Corrected Factor (dB/m) + Reading (dBμV)
   Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV /m)

Low Channel: 2412MHz



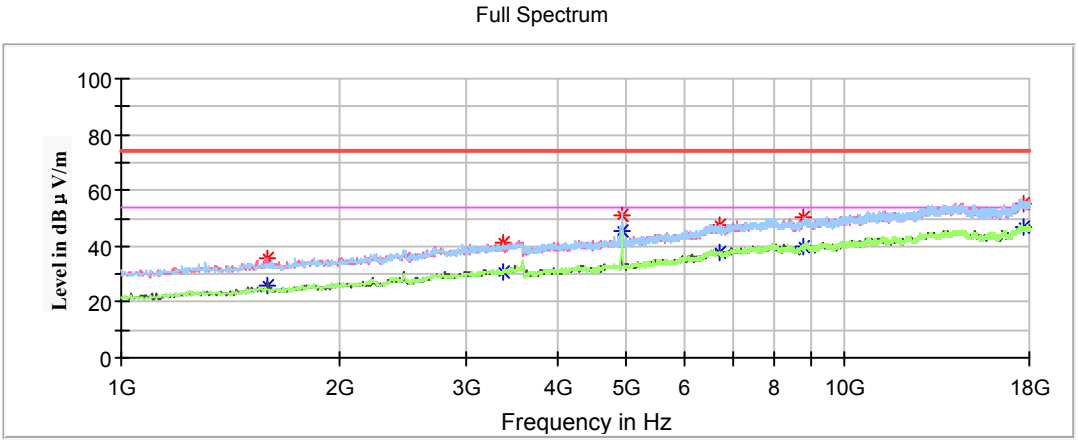
Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV /m)	Average (dBμV /m)	Height (cm)	Polar (H/V)				
1591.600000	---	24.39	250.0	V	355.0	-9.6	54.00	29.61
1591.600000	34.66	---	250.0	V	355.0	-9.6	74.00	39.34
3546.600000	---	31.88	250.0	H	244.0	-3.4	54.00	22.12
3546.600000	42.57	---	250.0	H	244.0	-3.4	74.00	31.43
4824.000000	53.56	---	250.0	H	293.0	-0.5	74.00	20.44
4824.000000	---	47.49	250.0	H	293.0	-0.5	54.00	6.51
6943.200000	---	37.30	200.0	V	6.0	5.2	54.00	16.70
6943.200000	48.29	---	200.0	V	6.0	5.2	74.00	25.71
10237.800000	---	41.39	250.0	H	21.0	8.6	54.00	12.61
10237.800000	52.01	---	250.0	H	21.0	8.6	74.00	21.99
17649.800000	---	45.78	150.0	V	161.0	14.0	54.00	8.22
17649.800000	56.65	---	150.0	V	161.0	14.0	74.00	17.35

Middle Channel: 2437MHz



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV /m)	Average (dBµV /m)	Height (cm)	Polar (H/V)				
1591.600000	---	25.30	250.0	V	0.0	-9.6	54.00	28.70
1591.600000	36.77	---	250.0	V	0.0	-9.6	74.00	37.23
3400.400000	---	31.41	200.0	V	131.0	-3.7	54.00	22.59
3400.400000	40.17	---	200.0	V	131.0	-3.7	74.00	33.83
4874.000000	---	45.98	100.0	H	276.0	-0.5	54.00	8.02
4874.000000	53.89	---	100.0	H	276.0	-0.5	74.00	20.11
7500.800000	---	39.08	250.0	V	89.0	6.1	54.00	14.92
7500.800000	49.15	---	250.0	V	89.0	6.1	74.00	24.85
10951.800000	---	41.41	100.0	H	323.0	9.7	54.00	12.59
10951.800000	52.14	---	100.0	H	323.0	9.7	74.00	21.86
17568.200000	---	46.88	250.0	H	277.0	14.2	54.00	7.12
17568.200000	56.78	---	250.0	H	277.0	14.2	74.00	17.22

High Channel: 2462MHz

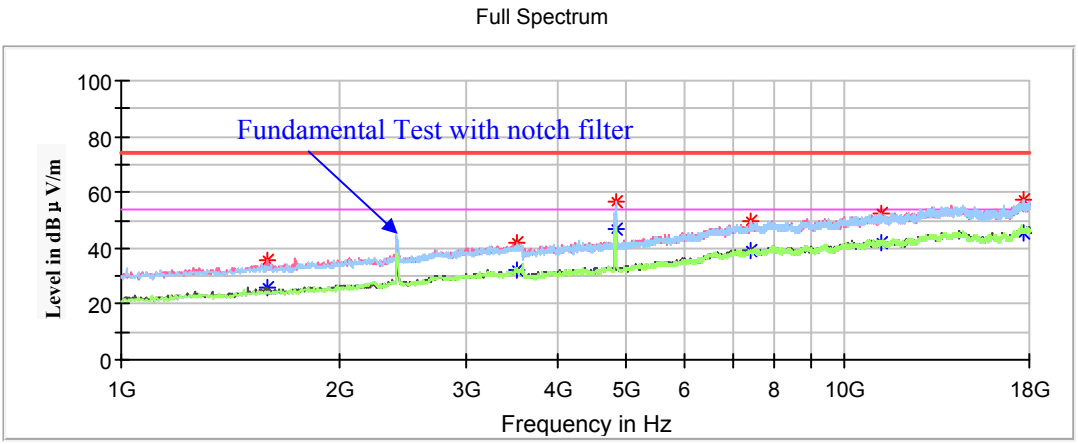


Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV /m)	Average (dBµV /m)	Height (cm)	Polar (H/V)				
1591.600000	---	26.18	200.0	V	346.0	-9.6	54.00	27.82
1591.600000	35.39	---	200.0	V	346.0	-9.6	74.00	38.61
3369.800000	---	30.91	150.0	V	63.0	-3.8	54.00	23.09
3369.800000	41.17	---	150.0	V	63.0	-3.8	74.00	32.83
4924.000000	---	46.11	250.0	H	173.0	-0.4	54.00	7.89
4924.000000	52.29	---	250.0	H	173.0	-0.4	74.00	21.71
6705.200000	---	37.56	250.0	H	68.0	4.8	54.00	16.44
6705.200000	47.80	---	250.0	H	68.0	4.8	74.00	26.20
8782.600000	---	40.00	200.0	V	180.0	7.1	54.00	14.00
8782.600000	50.32	---	200.0	V	180.0	7.1	74.00	23.68
17721.200000	---	46.67	250.0	H	185.0	13.9	54.00	7.33
17721.200000	55.24	---	250.0	H	185.0	13.9	74.00	18.76

802.11n-HT20 Mode:
*(Pre-scan in the X,Y and Z axes of orientation, the worst case **X-axis of orientation** was recorded)*

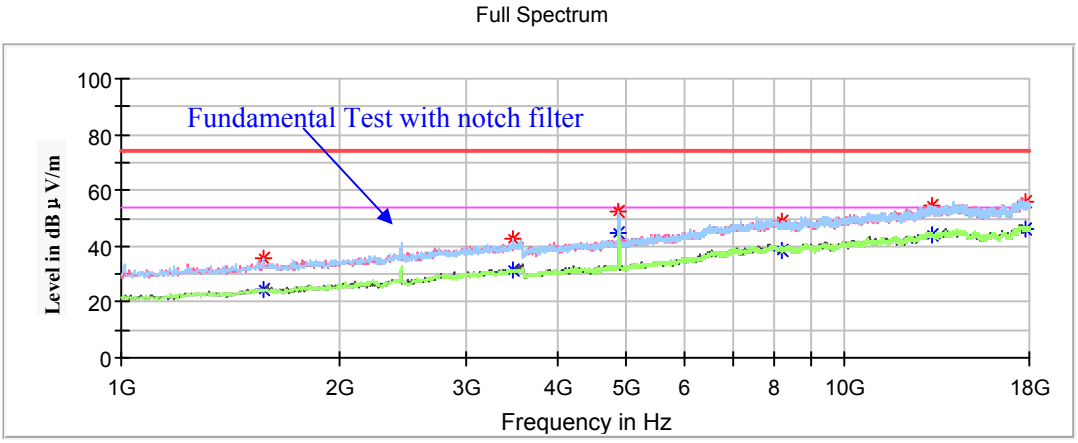
Note:
1. This test was performed with the 2.4-2.5GHz notch filter.
2. Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
   Corrected Amplitude (dBμV /m) = Corrected Factor (dB/m) + Reading (dBμV)
   Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV /m)

Low Channel : 2412MHz



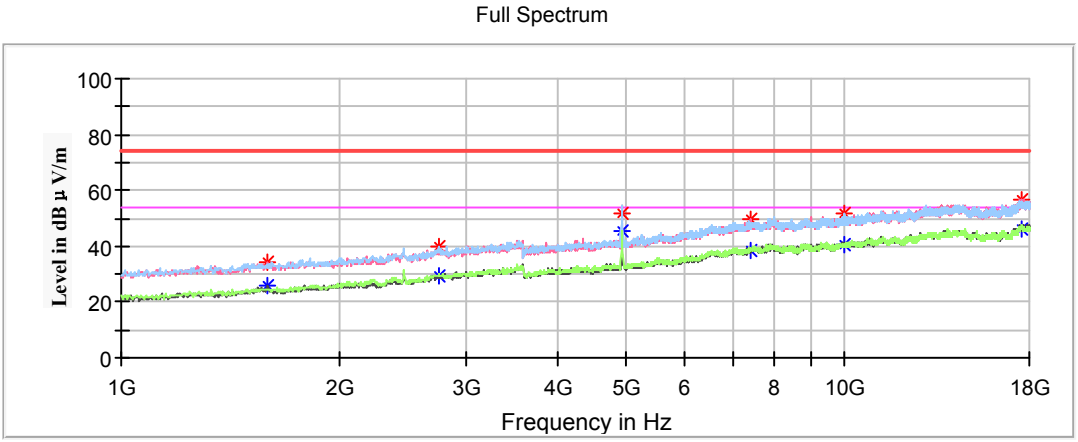
Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV /m)	Average (dBμV /m)	Height (cm)	Polar (H/V)				
1591.600000	---	25.92	250.0	V	355.0	-9.6	54.00	28.08
1591.600000	35.58	---	250.0	V	355.0	-9.6	74.00	38.42
3533.000000	---	31.96	100.0	V	172.0	-3.4	54.00	22.04
3533.000000	41.64	---	100.0	V	172.0	-3.4	74.00	32.36
4824.000000	---	47.04	150.0	H	294.0	-0.5	54.00	6.96
4824.000000	56.66	---	150.0	H	294.0	-0.5	74.00	17.34
7419.200000	---	39.16	250.0	H	265.0	6.0	54.00	14.84
7419.200000	49.43	---	250.0	H	265.0	6.0	74.00	24.57
11264.600000	---	41.92	200.0	V	64.0	9.8	54.00	12.08
11264.600000	52.70	---	200.0	V	64.0	9.8	74.00	21.30
17646.400000	---	45.73	250.0	H	339.0	14.0	54.00	8.27
17646.400000	57.01	---	250.0	H	339.0	14.0	74.00	16.99

Middle Channel: 2437MHz



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV /m)	Average (dBµV /m)	Height (cm)	Polar (H/V)				
1571.200000	35.86	---	200.0	H	329.0	-9.7	74.00	38.14
1571.200000	---	24.51	200.0	H	329.0	-9.7	54.00	29.49
3471.800000	42.35	---	100.0	H	75.0	-3.6	74.00	31.65
3471.800000	---	31.27	100.0	H	75.0	-3.6	54.00	22.73
4874.000000	52.29	---	250.0	H	181.0	-0.5	74.00	21.71
4874.000000	---	45.02	250.0	H	181.0	-0.5	54.00	8.98
8170.600000	---	38.43	200.0	V	10.0	6.8	54.00	15.57
8170.600000	49.14	---	200.0	V	10.0	6.8	74.00	24.86
13185.600000	---	43.95	250.0	V	183.0	12.0	54.00	10.05
13185.600000	54.27	---	250.0	V	183.0	12.0	74.00	19.73
17779.000000	---	46.22	150.0	V	289.0	13.8	54.00	7.78
17779.000000	55.63	---	150.0	V	289.0	13.8	74.00	18.37

High Channel : 2462MHz

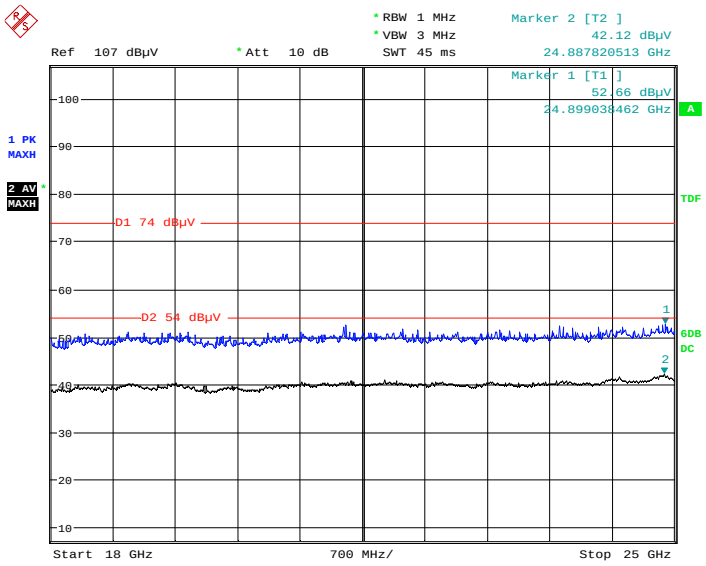


Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
	MaxPeak (dBµV /m)	Average (dBµV /m)	Height (cm)	Polar (H/V)				
1595.000000	---	25.78	250.0	V	0.0	-9.6	54.00	28.22
1595.000000	34.20	---	250.0	V	0.0	-9.6	74.00	39.80
2740.800000	---	29.57	200.0	H	342.0	-5.7	54.00	24.43
2740.800000	39.68	---	200.0	H	342.0	-5.7	74.00	34.32
4924.000000	51.65	---	150.0	H	159.0	-0.4	74.00	22.35
4924.000000	---	45.50	150.0	H	159.0	-0.4	54.00	8.50
7422.600000	---	38.48	100.0	V	352.0	6.0	54.00	15.52
7422.600000	49.45	---	100.0	V	352.0	6.0	74.00	24.55
10013.400000	---	40.32	250.0	H	244.0	8.2	54.00	13.68
10013.400000	51.61	---	250.0	H	244.0	8.2	74.00	22.39
17520.600000	---	46.21	250.0	V	221.0	14.2	54.00	7.79
17520.600000	56.86	---	250.0	V	221.0	14.2	74.00	17.14

18GHz-25GHz:

Pre-scan with 802.11b, 802.11g and 802.11n-HT20 modes of operation in the X,Y and Z axes of orientation, the worst case ***high channel of 802.11b mode in X-axis of orientation*** *was recorded*

Horizontal



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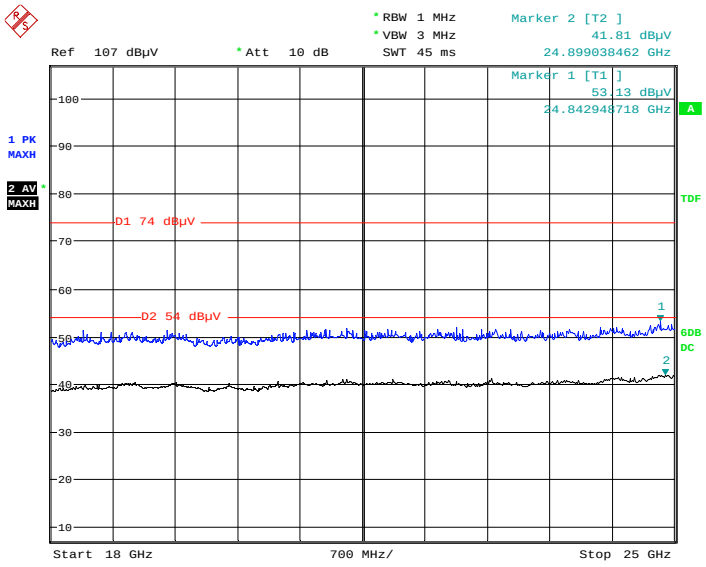
Vertical



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Restricted Bands Emissions Test:

Note:
1. Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
   Corrected Amplitude (dBμV /m) = Corrected Factor (dB/m) + Reading (dBμV)
   Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV /m)

802.11b Mode: *(Pre-scan in the X,Y and Z axes of orientation, the worst case X-axis of orientation was recorded)*

Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV /m)	Average (dBμV /m)	Height (cm)	Polar (H/V)				
Low Channel: 2412MHz								
2390.000000	---	40.64	150	V	134	2.8	54	13.36
2390.000000	50.54	---	150	V	134	2.8	74	23.46
High Channel: 2462MHz								
2483.500000	---	41.68	100	V	146	3.0	54	12.32
2483.500000	50.87	---	100	V	146	3.0	74	23.13

802.11g Mode: *(Pre-scan in the X,Y and Z axes of orientation, the worst case X-axis of orientation was recorded)*

Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV /m)	Average (dBμV /m)	Height (cm)	Polar (H/V)				
Low Channel: 2412MHz								
2390.000000	---	49.19	100	V	308	2.8	54	4.81
2390.000000	60.78	---	100	V	308	2.8	74	13.22
High Channel: 2462MHz								
2483.500000	---	49.69	150	V	226	3.0	54	4.31
2483.500000	60.48	---	150	V	226	3.0	74	13.52

802.11n-HT20 Mode: *(Pre-scan in the X,Y and Z axes of orientation, the worst case X-axis of orientation was recorded)*

Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
	MaxPeak (dBμV /m)	Average (dBμV /m)	Height (cm)	Polar (H/V)				
Low Channel: 2412MHz								
2390.000000	---	49.09	150	V	114	2.8	54	4.91
2390.000000	60.26	---	150	V	114	2.8	74	13.74
High Channel: 2462MHz								
2483.500000	---	49.49	100	V	72	3.0	54	4.51
2483.500000	59.36	---	100	V	72	3.0	74	14.64

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