



Engineering Test Report No. 2301707-01

Report Date	September 18, 2023	
Manufacturer Name	Righthand Technologies Inc	
Manufacturer Address	7450 W. Wilson Ave. Chicago, IL 60706	
Test Item Name Model No.	CABINLINK6 WAP CL6	
Date Received	July 27, 2023	
Test Dates	July 27 – August 29, 2023	
Specifications	FCC "Code of Federal Regulations" Title 47, Part 15, Subpart B FCC "Code of Federal Regulations" Title 47 Part 15, Subpart C, Section 15.247 Innovation, Science, and Economic Development Canada, RSS-GEN Innovation, Science, and Economic Development Canada, RSS-247	
Test Facility	Elite Electronic Engineering, Inc. 1516 Centre Circle, Downers Grove, IL 60515	FCC Reg. Number: 269750 IC Reg. Number: 2987A CAB Identifier: US0107
Signature	 	
Tested by	Javier Cardenas	Tylar Jozefczyk
Signature		
Approved by	Raymond J. Klouda, Registered Professional Engineer of Illinois – 44894	
PO Number	PO006498	

This report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

This report shall not be reproduced, except in full, without the written approval of Elite Electronic Engineering Inc.

Elite Electronic Engineering Incorporated certifies that the information contained in this report was obtained under conditions which meet or exceed those specified in the FCC "Code of Federal Regulations" Title 47 Part 15, Subpart C, Section 15.247 and Innovation, Science, and Economic Development Canada, RSS-247 test specifications. The data presented in this test report pertains to the EUT on the test dates specified. Any electrical or mechanical modifications made to the EUT subsequent to the specified test date will serve to invalidate the data and void this certification. This report must not be used to claim product certification, approval, or endorsement by A2LA, NIST, or any agency of the Federal Government.

Table of Contents

1.	Report Revision History	3
2.	Introduction	4
2.1.	Scope of Tests	4
2.2.	Purpose	4
2.3.	Identification of the EUT	4
3.	Power Input	5
4.	Grounding	5
5.	Support Equipment	5
6.	Interconnect Leads	5
7.	Modifications Made to the EUT	5
8.	Modes of Operation	5
9.	Test Specifications	6
10.	Test Plan	6
11.	Deviation, Additions to, or Exclusions from Test Specifications	7
12.	Laboratory Conditions	7
13.	Antenna Port Conducted Emissions Measurement Uncertainty	7
14.	Summary	7
15.	Sample Calculations	7
16.	Statement of Conformity	8
17.	Certification	8
18.	Photographs of EUT	9
19.	Equipment List	10
20.	Block Diagram of Test Setup	11
21.	6dB Bandwidth	12
22.	Occupied Bandwidth (99%)	49
23.	Maximum Peak Conducted Output Power	86
24.	Effective Isotropic Radiated Power (EIRP)	123
25.	Case Spurious Radiated Emissions	130
26.	Band-Edge Compliance	191
27.	Power Spectral Density	217
28.	Scope of Accreditation	254

**This report shall not be reproduced, except in full,
without the written approval of Elite Electronic Engineering Inc.**

1. Report Revision History

Revision	Date	Description
–	2 NOV 2023	Initial Release of Engineering Test Report No. 2301707-01

2. Introduction

2.1. Scope of Tests

This document presents the results of a series of RF emissions tests that were performed on the Righthand Technologies Inc CABINLINK6 WAP (hereinafter referred to as the Equipment Under Test (EUT)). The EUT was manufactured and submitted for testing by Righthand Technologies Inc located in Chicago, IL.

2.2. Purpose

The test series was performed to determine if the EUT meets the RF emission requirements of the FCC "Code of Federal Regulations" Title 47, Part 15, Subpart B, §15.107 and §15.109 for Receivers and Subpart C, §15.247 for a Digital Modulation intentional radiator operating within the 2400 – 2483.5MHz band.

The test series was also performed to determine if the EUT meets the RF emission requirements of the Innovation, Science, and Economic Development Canada Radio Standards Specification RSS-Gen and RSS-247 for a Digital Modulation intentional radiator operating within the 2400 – 2483.5MHz band.

Testing was performed in accordance with ANSI C63.10-2013.

2.3. Identification of the EUT

The EUT was identified as follows:

EUT Identification	
Product Description	CABINLINK6 WAP
Model/Part No.	CL6
Serial No.	CL6W100037
Size of EUT	17.5cm x 26.5cm x 5cm
Device Type	Digitally Modulated Transmission Device
Band of Operation	2400 – 2483.5MHz
Modulation Type	802.11b: BPSK, QPSK 802.11g: BPSK, QPSK, 16-QAM, 64-QAM 802.11n: BPSK, QPSK, 16-QAM, 64-QAM 802.11ax: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM
Antenna Type	4 antenna array
Peak Conducted Output Power	802.11b = 199.53mW (23dBm) 802.11g = 831.8mW (29.2dBm) 802.11n20 = 912.1mW (29.6dBm) 802.11ax20 = 891.3mW (29.5dBm) 802.11n40 = 1000mW (30dBm) 802.11ax40 = 955mW (29.8dBm)
Peak EIRP	802.11b = 269.2mW (24.3dBm) 802.11g = 684mW (28.35dBm) 802.11n20 = 684mW (28.35dBm) 802.11ax20 = 812.9mW (29.1dBm) 802.11n40 = 772.7mW (28.88dBm) 802.11ax40 = 762.1mW (28.82dBm)
6dB Bandwidth	802.11b = 8.15MHz 802.11g = 16.4MHz 802.11n20 = 17.85MHz 802.11ax20 = 19.05MHz 802.11n40 = 36.55MHz 802.11ax40 = 38.2MHz
Occupied Bandwidth (99% CBW)	802.11b = 13MHz 802.11g = 16.4MHz 802.11n20 = 17.8MHz

EUT Identification	
Emission Classification	802.11ax20 = 19MHz
	802.11n40 = 36.75MHz
	802.11ax40 = 38.25MHz
	802.11b = 13M0F1D
	802.11g = 16M4 F1D
	802.11n20 = 17M8 F1D
	802.11ax20 = 19M0F1D
	802.11n40 = 36M8F7D
	802.11ax40 = 38M3F7D

The EUT listed above was used throughout the test series.

3. Power Input

The EUT was powered by 28VDC from three (3) conductors (positive, negative, and ground).

4. Grounding

The EUT was connected to ground through a ground lug on the chassis to the ground plane in addition to the ground pin on its power cable.

5. Support Equipment

The EUT was submitted for testing along with the following support equipment:

Description	Model #	S/N
Laptop w/ Qualcomm Radio Control Tool SW	---	---
Control Board	---	---

6. Interconnect Leads

The following interconnect cables were submitted with the test item:

Item	Description
RJ45 to M12 Cable	Interconnect lead between EUT and laptop

7. Modifications Made to the EUT

No modifications were made to the EUT during the testing.

8. Modes of Operation

The EUT and all peripheral equipment were energized. The unit was programmed to transmit in one of the following modes:

Mode	Description
802.11b (Data rate = 1Mbps; Power Setting = 17)	- 2412MHz
802.11b (Data rate = 11Mbps; Power Setting = 17)	- 2437MHz
802.11g (Data rate = 6Mbps; Power Setting = 18)	- 2462MHz
802.11g (Data rate = 54Mbps; Power Setting = 18)	- 2412MHz
802.11n (Data rate = MCS0; Power Setting = 17)	- 2437MHz
802.11n (Data rate = MCS8; Power Setting = 16)	- 2462MHz
802.11ax20 (Data rate = MCS0; Power Setting = 17)	- 2412MHz
802.11ax20 (Data rate = MCS11; Power Setting = 16)	- 2437MHz
802.11n40 (Data rate = MCS0; Power Setting = 17)	- 2462MHz
802.11n40 (Data rate = MCS11; Power Setting = 16)	- 2422MHz
802.11ax40 (Data rate = MCS0; Power Setting = 18)	- 2437MHz
802.11ax40 (Data rate = MCS11; Power Setting = 15)	- 2452MHz

9. Test Specifications

The tests were performed to selected portions of, and in accordance with, the test specifications.

- Federal Communications Commission "Code of Federal Regulations", Title 47, Chapter I, Subchapter A, Part 15, Subpart C – "Intentional Radiators"
- ANSI C63.10-2013 – "American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices"
- KDB 558074 D01 v05r02, April 2, 2019 – "Guidance For Compliance Measurements On Digital Transmission System, Frequency Hopping Spread Spectrum System, and Hybrid System Devices Operating Under Section 15.247 of the FCC Rules"
- KDB 662911 D01 v02r01, October 31, 2013 – "Emissions Testing of Transmitters with Multiple Outputs in the Same Band"
- Radio Standard Specification RSS-Gen Issue 5, February 2020, Amendment 2 – "General Requirements for Compliance of Radio Apparatus"
- RSS-247 Issue 2, February 2017, "Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSS) and License-Exempt Local Area Network (LE-LAN) Devices"

10. Test Plan

No test plan was provided. Instructions were provided by personnel from Righthand Technologies Inc and used in conjunction with the FCC "Code of Federal Regulations" Title 47 Part 15, Subpart C, Section 15.247, Innovation, Science, and Economic Development Canada, RSS-247, and ANSI C63.10-2013 specifications.

11. Deviation, Additions to, or Exclusions from Test Specifications

There were no deviations, additions to, or exclusions from the test specifications during this test series.

12. Laboratory Conditions

The ambient parameters of the laboratory during testing were as follows:

Ambient Parameters	Value
Temperature	22°C
Relative Humidity	32%
Atmospheric Pressure	1012.7mb

13. Antenna Port Conducted Emissions Measurement Uncertainty

The following table represents the measurement uncertainty for all antenna port conducted tests:

Measurement Uncertainty	
Measurement Type	Expanded Measurement Uncertainty
Occupied Channel Bandwidth	$\pm 224\text{kHz}$
Power Spectral Density	$\pm 0.372\text{Hz}$
RF Output Power, Conducted	$\pm 0.349\text{ dB}$
Unwanted Emissions, Conducted	$\pm 1.39\text{ dB}$
All Emissions Radiated Below 1GHz	$\pm 2.629\text{ dB}$
All Emissions Radiated Above 1GHz	$\pm 2.710\text{ dB}$
Temperature	$\pm 0.165^\circ\text{C}$
Humidity	$\pm 1.7\%\text{ RH}$
DC and Low Frequency Voltages	$\pm 0.115\text{ Volts}$
Time	$\pm 0.05\%$

14. Summary

The following EMC tests were performed and the results are shown below:

Test Description	Requirements	Test Method	S/N	Results
6dB Bandwidth	FCC 15.247 ISED RSS-247	ANSI C63.10:2013	CL6W100037	Conforms
Occupied Bandwidth (99%)	FCC 15.247 ISED RSS-247	ANSI C63.10:2013	CL6W100037	Conforms
Maximum Peak Conducted Output Power	FCC 15.247 ISED RSS-247	ANSI C63.10:2013	CL6W100037	Conforms
Effective Isotropic Radiated Power (EIRP)	FCC 15.247 ISED RSS-247	ANSI C63.10:2013	CL6W100037	Conforms
Case Spurious Radiated Emissions	FCC 15.247 ISED RSS-247	ANSI C63.10:2013	CL6W100037	Conforms
Band-Edge Compliance	FCC 15.247 ISED RSS-247	ANSI C63.10:2013	CL6W100037	Conforms
Power Spectral Density	FCC 15.247 ISED RSS-247	ANSI C63.10:2013	CL6W100037	Conforms

15. Sample Calculations

For Radiated Emissions:

The resultant field strength (FS) is a summation in decibels (dB) of the receiver meter reading (MTR),

the antenna correction factor (AF), and the cable loss factor (CF). If an external preamplifier is used, the total is reduced by its gain (-PA). If a distance correction (DC) is required, it is added to the total.

$$\text{Formula 1: FS (dB}\mu\text{V/m)} = \text{MTR (dB}\mu\text{V)} + \text{AF (dB/m)} + \text{CF (dB)} + (-\text{PA (dB)}) + \text{DC (dB)}$$

To convert the Field Strength dB μ V/m term to μ V/m, the dB μ V/m is first divided by 20. The Base 10 AntiLog is taken of this quotient. The result is the Field Strength value in μ V/m terms.

$$\text{Formula 2: FS (}\mu\text{V/m)} = \text{AntiLog} [(\text{FS (dB}\mu\text{V/m)})/20]$$

16. Statement of Conformity

The Righthand Technologies Inc CABINLINK6 WAP (Model No. CL6, Serial No. CL6W100037) did fully conform to the selected requirements of FCC "Code of Federal Regulations" Title 47 Part 15, Subpart C, Section 15.247 and Innovation, Science, and Economic Development Canada, RSS-247.

17. Certification

Elite Electronic Engineering Incorporated certifies that the information contained in this report was obtained under conditions which meet or exceed those specified in the FCC "Code of Federal Regulations" Title 47 Part 15, Subpart C, Section 15.247 and Innovation, Science, and Economic Development Canada, RSS-247 test specifications. The data presented in this test report pertains to the EUT as received by the customer on the test date specified. Any electrical or mechanical modifications made to the EUT subsequent to the specified test date will serve to invalidate the data and void this certification.

18. Photographs of EUT



19. Equipment List

Eq ID	Equipment Description	Manufacturer	Model No.	Serial No.	Frequency Range	Cal Date	Due Date
APW10	PREAMPLIFIER	PMI	PE2-35-120-5R0-10-12-SFF	PL11685/1241	1GHZ-20GHZ	3/10/2023	3/10/2024
APW18	PREAMPLIFIER	PLANAR	PE2-30-20G20RG6-3R0-10-12-SFF	PL34312/2148	18-26.5GHZ	1/19/2023	1/19/2024
APW5	PREAMPLIFIER	PLANAR	PE2-36-26D540G-5R0-1	PL3044/0651	26.5GHZ-40GHZ	9/21/2022	9/21/2023
CDZ3	LAB WORKSTATION	ELITE	LWS-10		WINDOWS 10	CNR	
GSE2	SIGNAL GENERATOR (40GHZ)	ROHDE & SCHWARZ	SMB100A	183293	100KHZ-40GHZ	1/26/2023	1/26/2024
GSFB	OSP120 BASE UNIT	ROHDE & SCHWARZ	OSP120	101071	---	3/30/2023	3/30/2025
GSFE	OSP120	ROHDE & SCHWARZ	OSP120	101288	.01-40GHZ	4/4/2023	4/4/2025
NHG1	STANDARD GAIN HORN ANTENNA	NARDA	638	---	18-26.5GHZ	NOTE 1	
NHH0	STANDARD GAIN HORN ANTENNA	NARDA	V637	---	26.5-40GHZ	NOTE 1	
NTA3	BILOG ANTENNA	TESEQ	6112D	32853	25-1000MHZ	11/17/2022	11/17/2024
NTA4	BILOG ANTENNA	TESEQ	6112D	46660	20-2000GHZ	10/26/2022	10/26/2024
NWQ0	DOUBLE RIDGED WAVEGUIDE ANTENNA	ETS LINDGREN	3117	66657	1GHZ-18GHZ	6/13/2022	6/13/2024
NWQ1	DOUBLE RIDGED WAVEGUIDE ANTENNA	ETS-LINDGREN	3117	66655	1GHZ-18GHZ	5/26/2022	5/26/2024
NWQ2	DOUBLE RIDGED WAVEGUIDE ANTENNA	ETS LINDGREN	3117	66659	1GHZ-18GHZ	4/27/2022	4/27/2024
R23P	ROOM 23			001	---	CNR	
RBG2	EMI ANALYZER	ROHDE & SCHWARZ	ESW44	101591	2HZ-44GHZ	4/10/2023	4/10/2024
RBG4	EMI ANALYZER	ROHDE & SCHWARZ	ESW44	103007	2HZ-44GHZ	12/8/2022	12/8/2023
RBH5	EMI ANALYZER	ROHDE & SCHWARZ	ESW26	103068	2HZ-26GHZ	12/8/2022	12/8/2023
SES0	24VDC POWER SUPPLY	P-TRANS	FS-32024-1M	001	18-27VDC	NOTE 1	
WKA1	SOFTWARE, UNIVERSAL RCV EMI	ELITE	UNIV_RCV_EMI	1	---	I/O	
XPQ5	FILTER	K&L MICROWAVE	11SH10-9000/U2000-O/O	1	5000-5800 MHZ	9/7/2021	9/7/2023

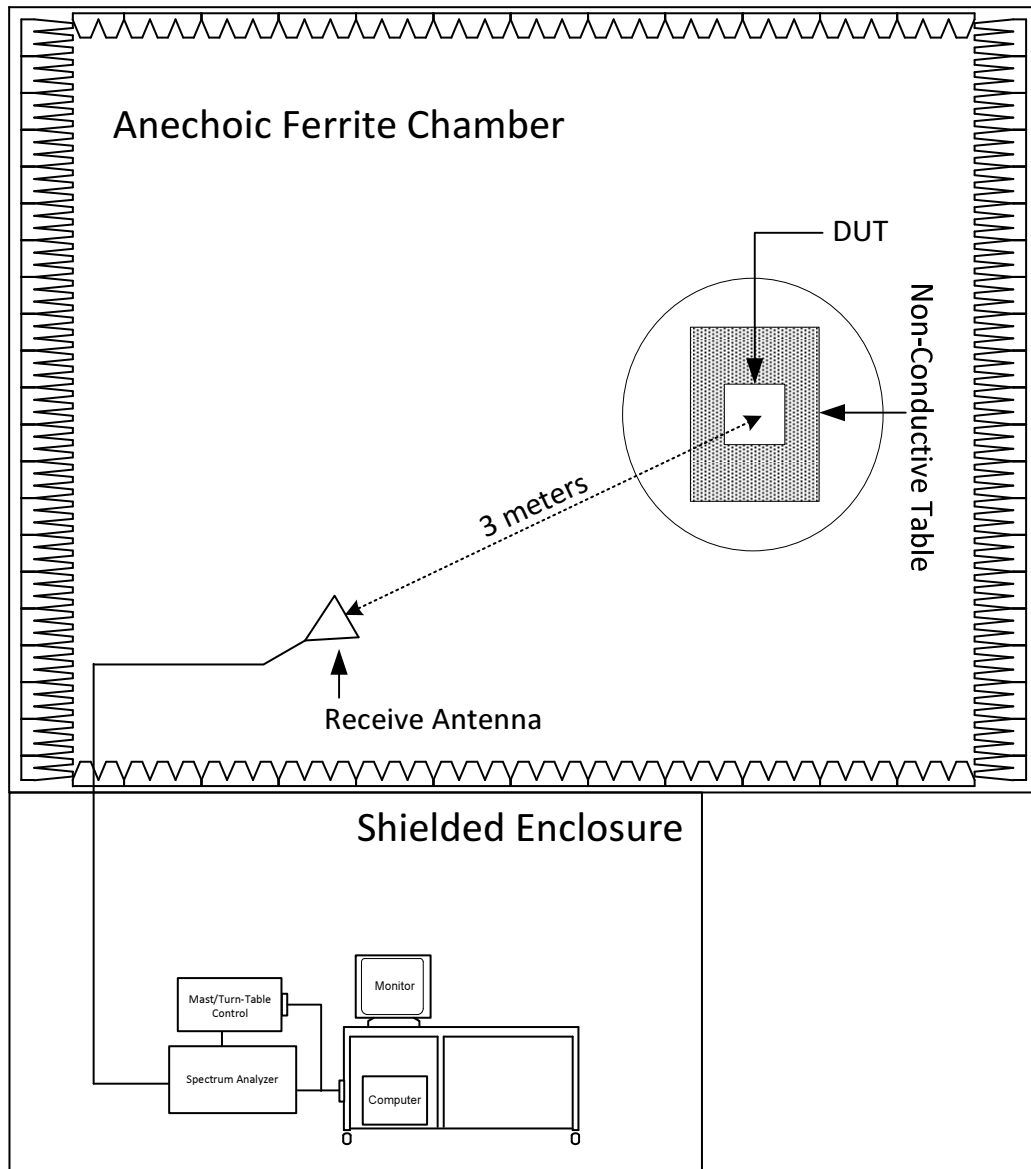
N/A: Not Applicable

I/O: Initial Only

CNR: Calibration Not Required

NOTE 1: For the purpose of this test, the equipment was calibrated over the specified frequency range, pulse rate, or modulation prior to the test or monitored by a calibrated instrument.

20. Block Diagram of Test Setup



Radiated Measurements Test Setup

21. 6dB Bandwidth

EUT Information	
Manufacturer	Righthand Technologies Inc
Product	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx

Test Setup Details	
Setup Format	Tabletop
Height of Support	N/A
Measurement Method	Antenna Conducted
Type of Test Site	Workbench
Test Site Used	N/A
Type of Antennas Used	N/A
Notes	None

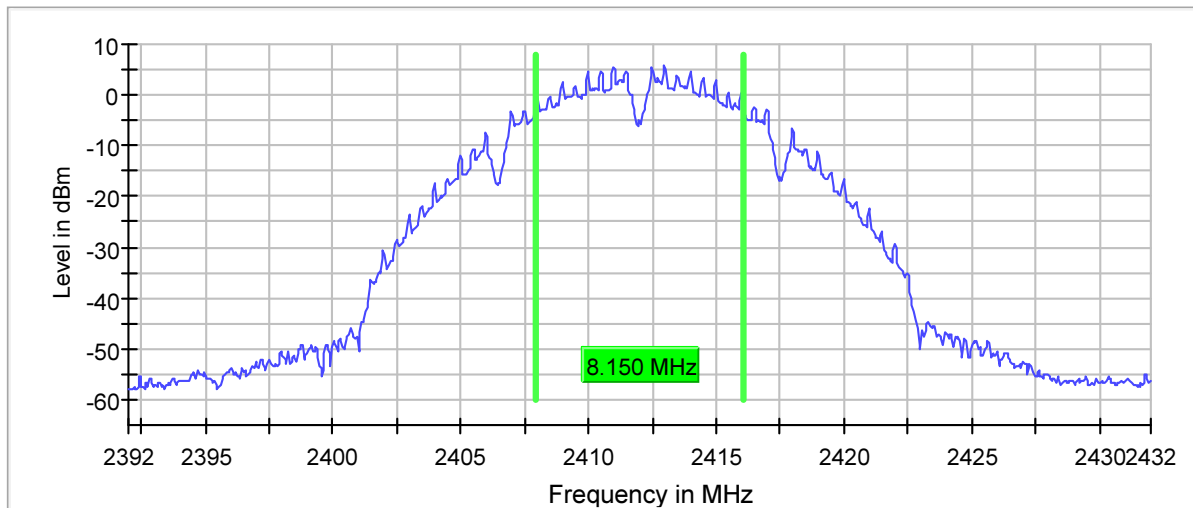
Requirements
Per FCC 15.247, Section (a)(2), and ISSED RSS-247, Section 5.2(a), the minimum 6dB bandwidth shall be at least 500kHz for all systems using digital modulation techniques.

Procedure
Antenna Port 1 of the EUT was connected to the DUT 1 port of the Rohde & Schwarz OSP 120/OSP-B157 system via a coaxial cable and RF attenuator. Each antenna port of the EUT was connected to a separate port (DUT 2, DUT 3, and DUT 4) via separate coaxial cables and RF attenuators. - The following settings were employed on the EMI Test Receiver: - Center Frequency = Transmit Frequency of the EUT - Frequency Span = 2 x Occupied Channel Bandwidth - RBW = 100kHz - VBW = 3 x RBW - Detector Mode = Max Peak - Trace Mode = Max Hold - Allow the trace to stabilize. - Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value). - Determine the 6dB down amplitude. - Place two markers, one at the lowest frequency and the other at the highest frequency of the envelope trace, such that each marker is at or slightly below the 6dB down amplitude determined in step d). If a marker is below this 6dB down amplitude value, then it shall be as close as possible to this value. The occupied bandwidth is the frequency difference between the two markers.

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2412MHz
Result	6dB BW = 8.150MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2412.000000	8.150000	0.500000	---	2407.925000	2416.075000	5.8	PASS

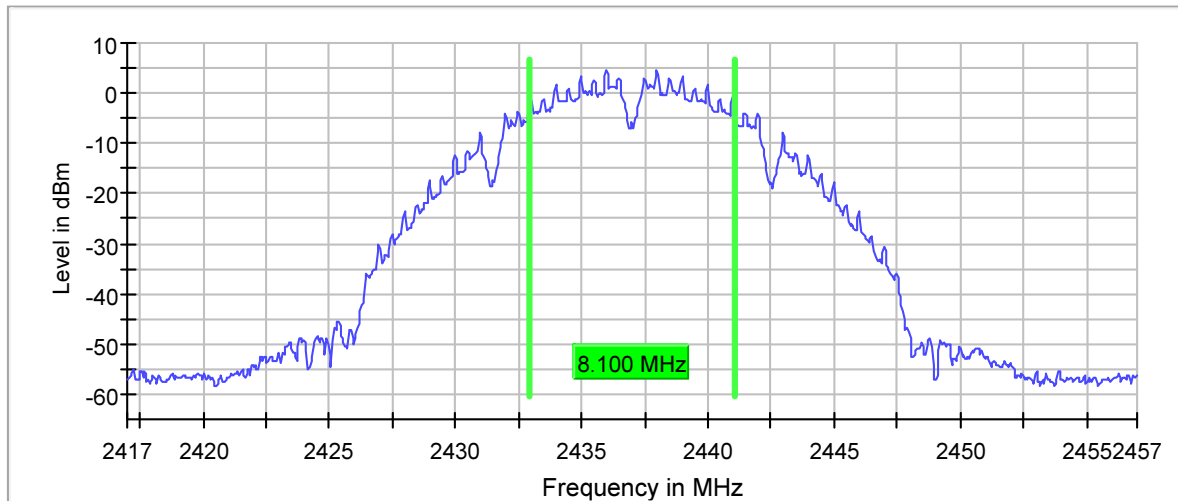
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2437MHz
Result	6dB BW = 8.1MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2437.000000	8.100000	0.500000	---	2432.925000	2441.025000	4.5	PASS

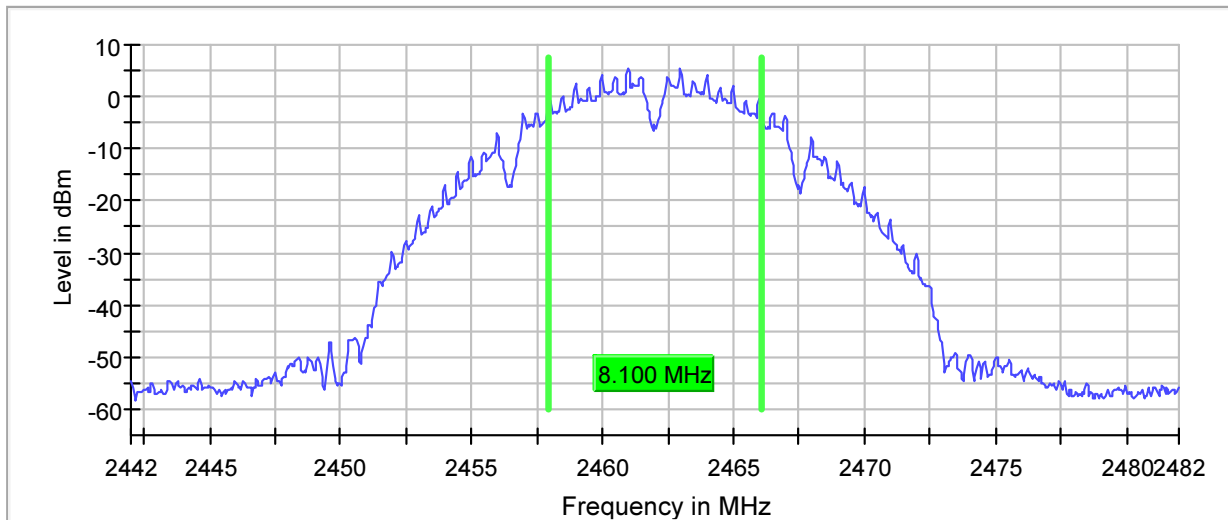
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2462MHz
Result	6dB BW = 8.1MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2462.000000	8.100000	0.500000	---	2457.925000	2466.025000	5.3	PASS

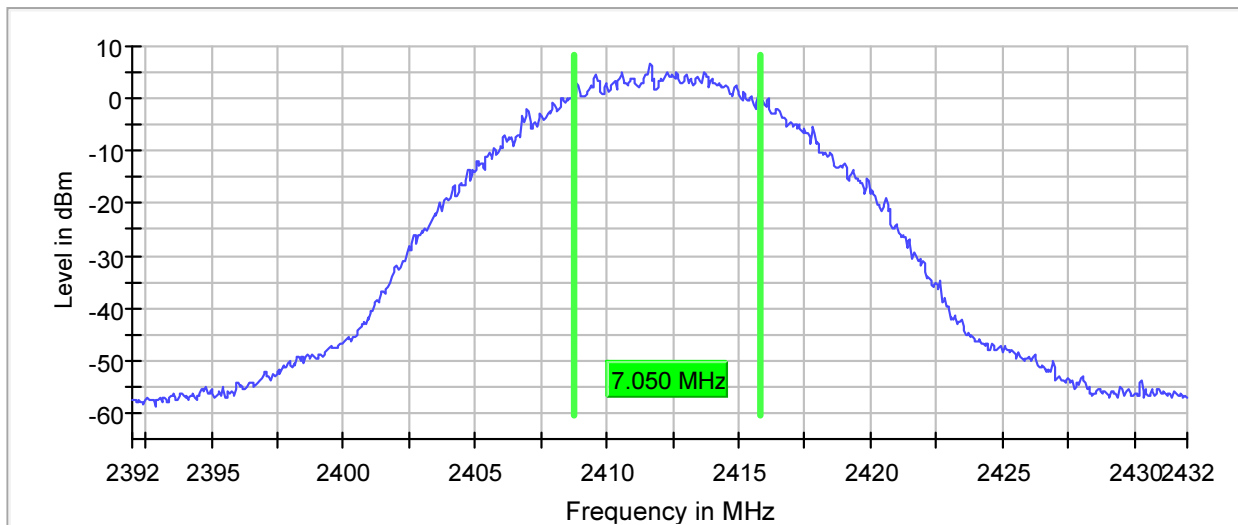
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 11Mbps
Frequency Tested	2412MHz
Result	6dB BW = 7.05MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2412.000000	7.050000	0.500000	---	2408.775000	2415.825000	6.5	PASS

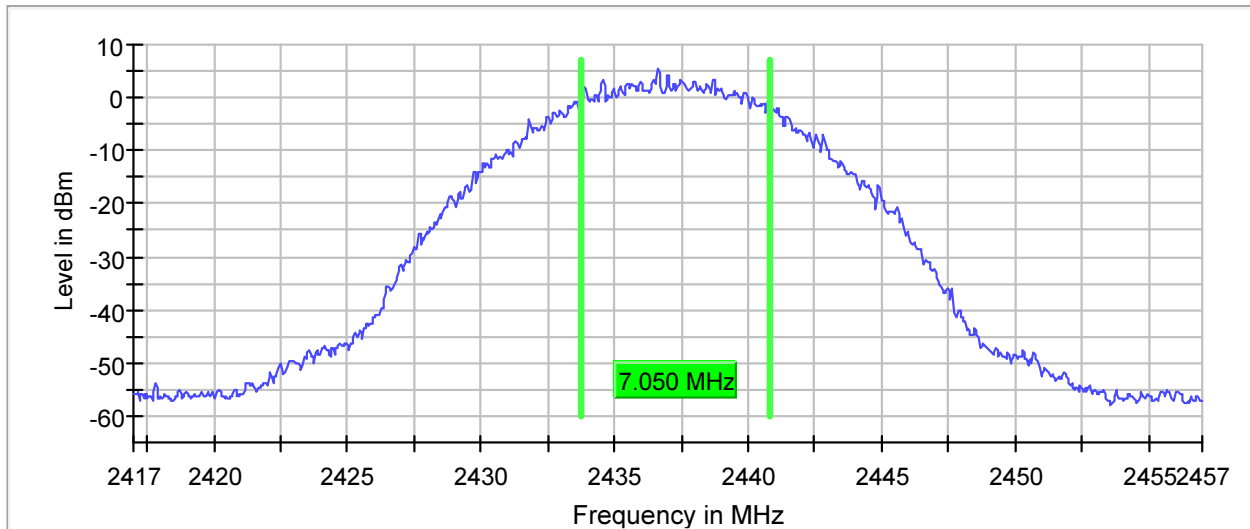
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 11Mbps
Frequency Tested	2437MHz
Result	6dB BW = 7.05MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2437.000000	7.050000	0.500000	---	2433.775000	2440.825000	5.2	PASS

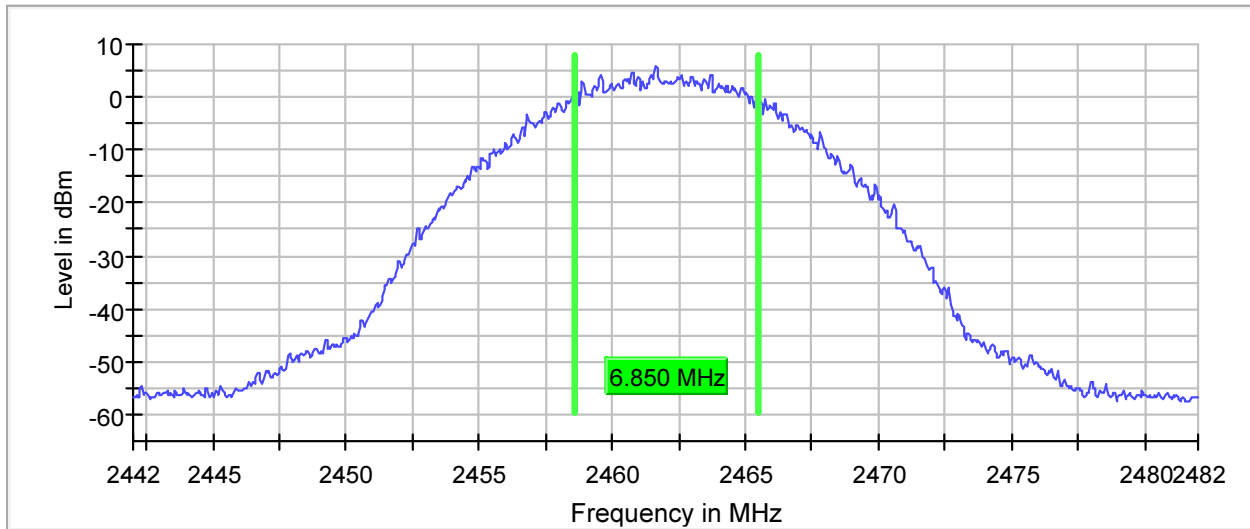
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 11Mbps
Frequency Tested	2462MHz
Result	6dB BW = 6.85MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2462.000000	6.850000	0.500000	---	2458.625000	2465.475000	6.1	PASS

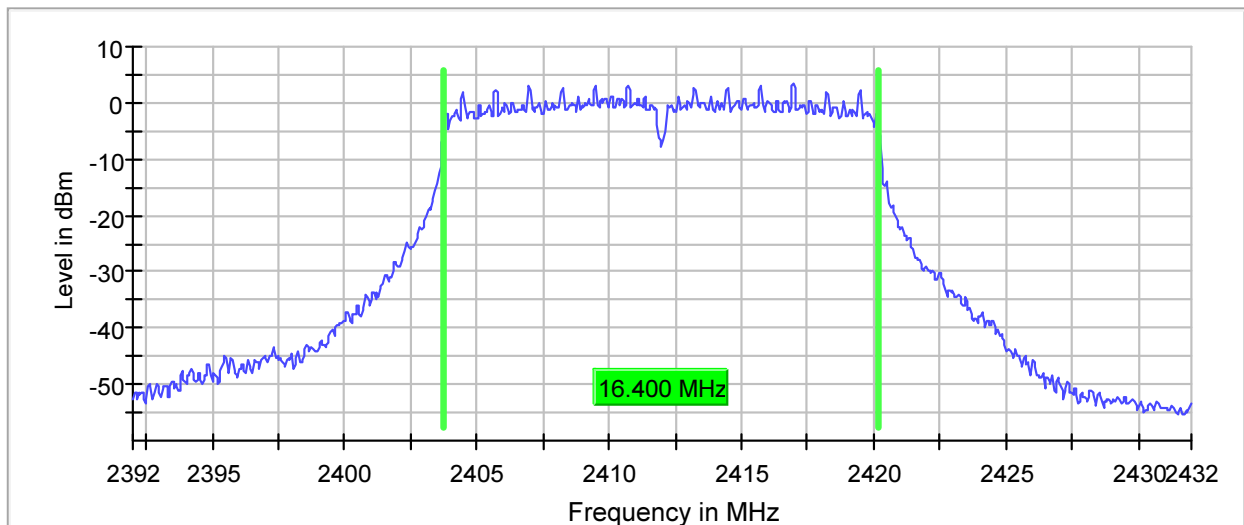
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2412MHz
Result	6dB BW = 16.4MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2412.000000	16.400000	0.500000	---	2403.775000	2420.175000	3.6	PASS

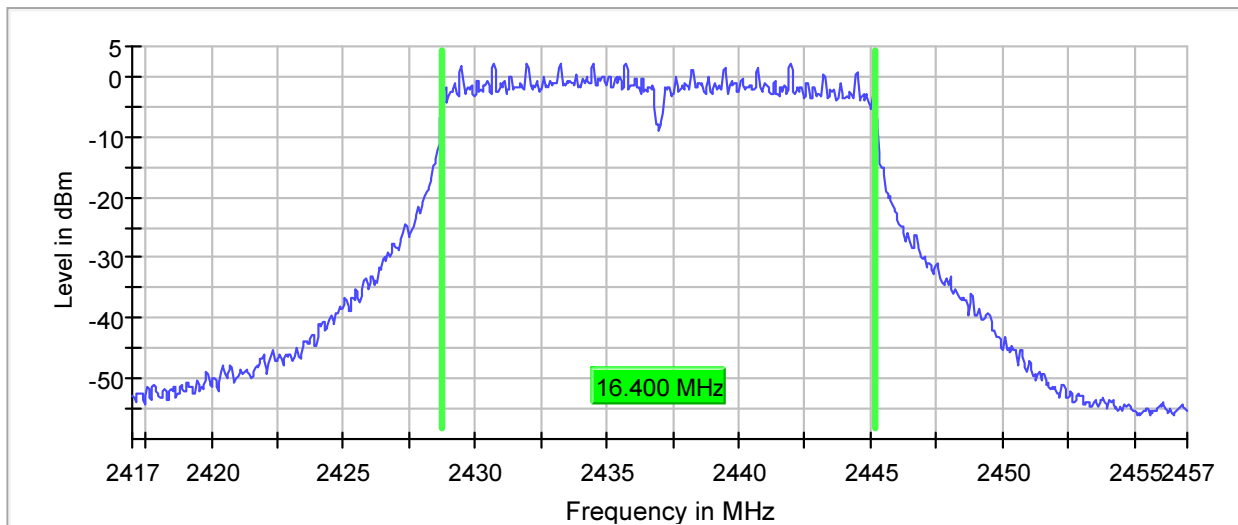
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2437MHz
Result	6dB BW = 16.4MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2437.000000	16.400000	0.500000	---	2428.775000	2445.175000	2.3	PASS

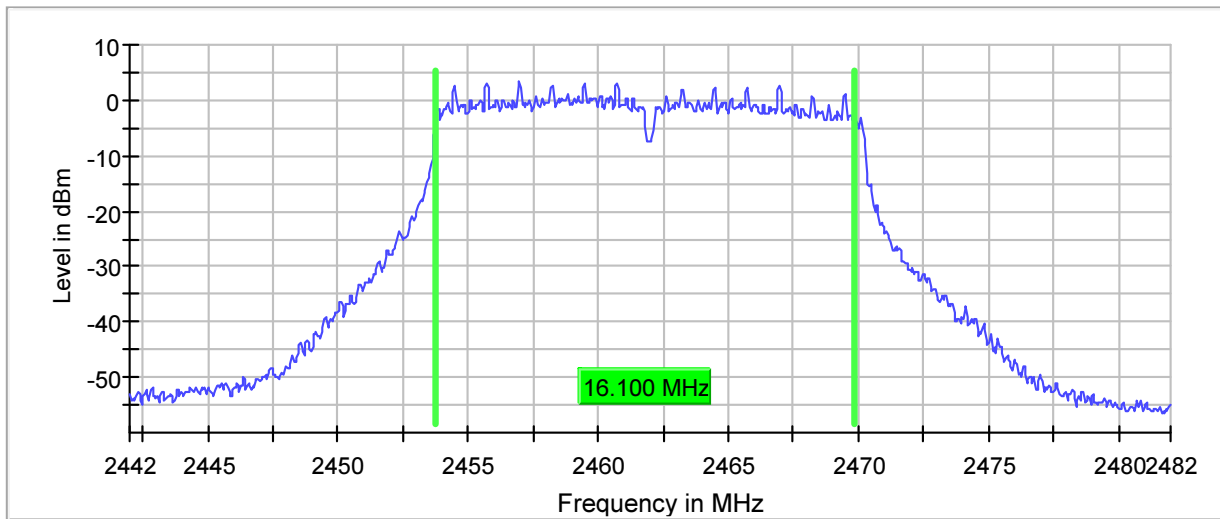
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2462MHz
Result	6dB BW = 16.1MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2462.000000	16.100000	0.500000	---	2453.775000	2469.875000	3.2	PASS

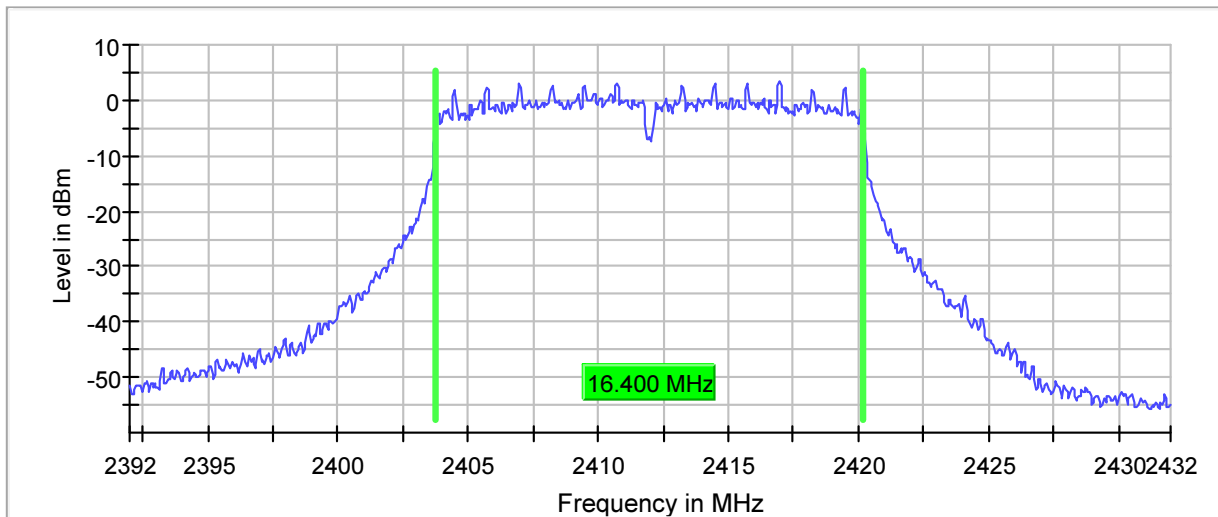
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 54Mbps
Frequency Tested	2412MHz
Result	6dB BW = 16.4MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2412.000000	16.400000	0.500000	---	2403.775000	2420.175000	3.3	PASS

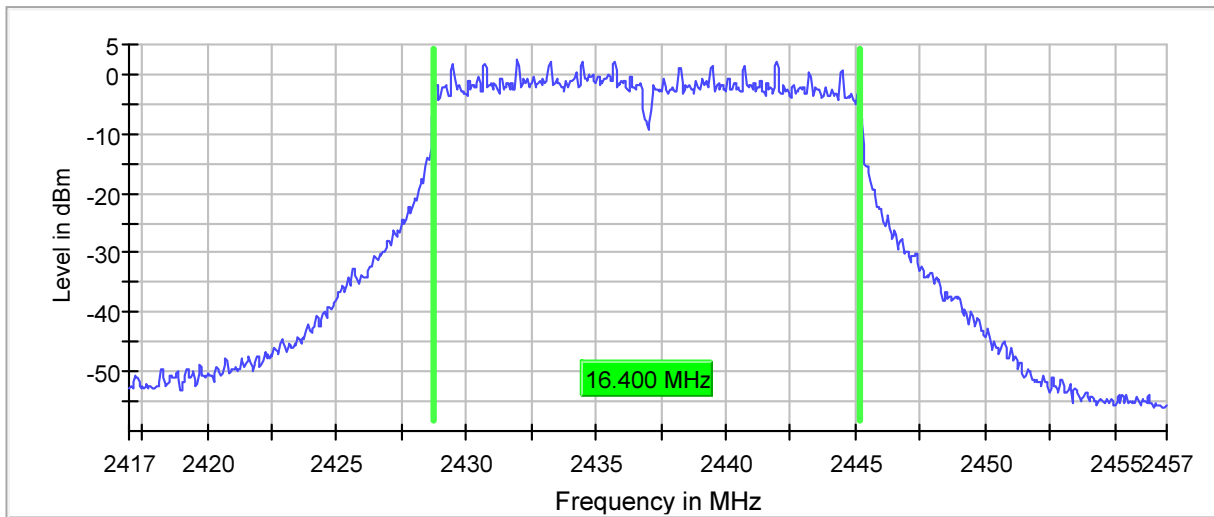
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 54Mbps
Frequency Tested	2437MHz
Result	6dB BW = 16.4MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2437.000000	16.400000	0.500000	---	2428.775000	2445.175000	2.3	PASS

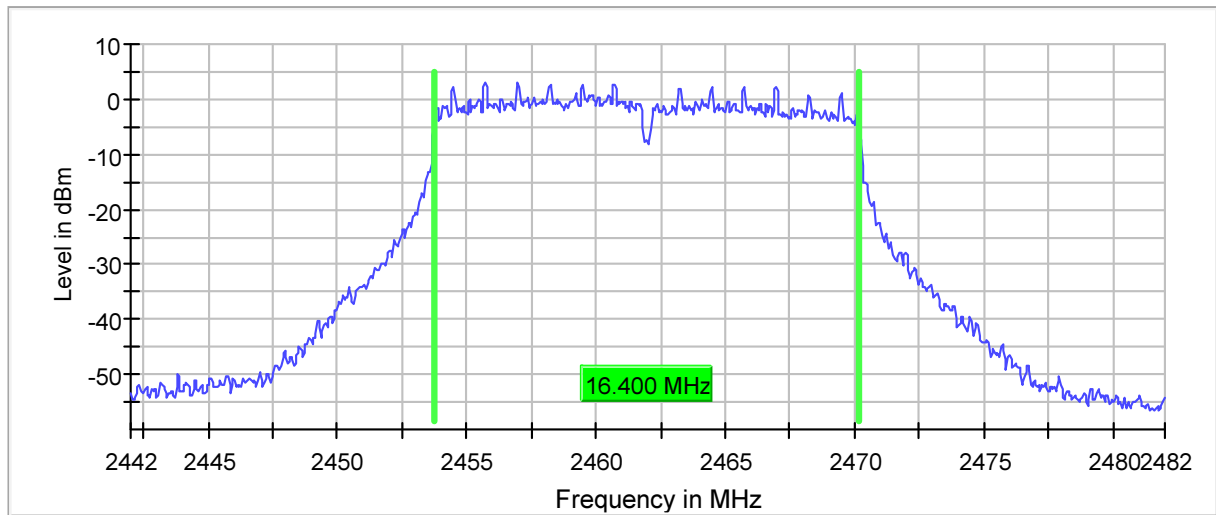
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 54Mbps
Frequency Tested	2462MHz
Result	6dB BW = 16.4MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2462.000000	16.400000	0.500000	---	2453.775000	2470.175000	3.1	PASS

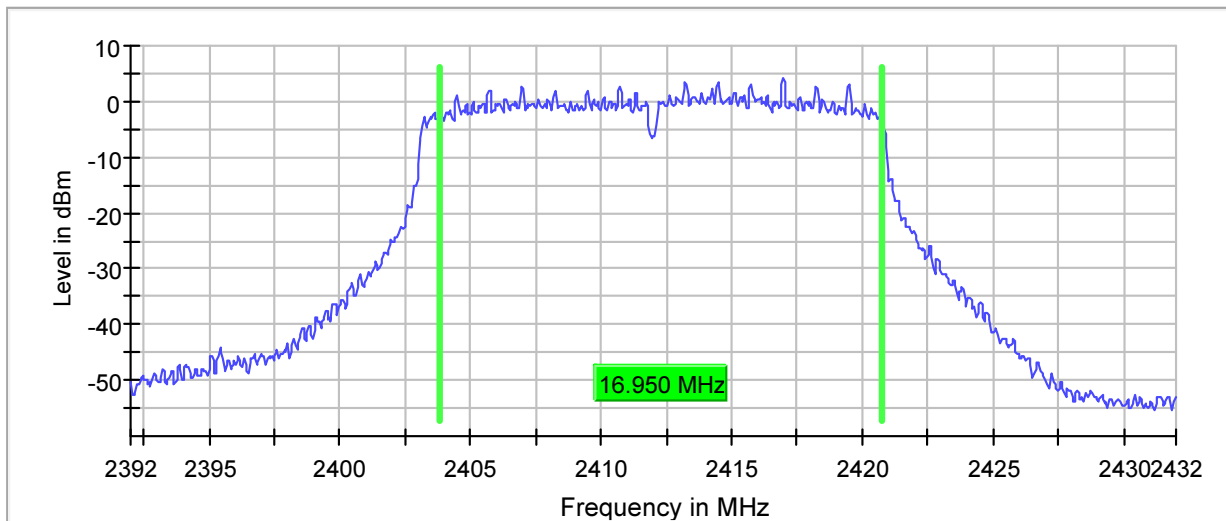
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2412MHz
Result	6dB BW = 16.95MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2412.000000	16.950000	0.500000	---	2403.825000	2420.775000	4.0	PASS

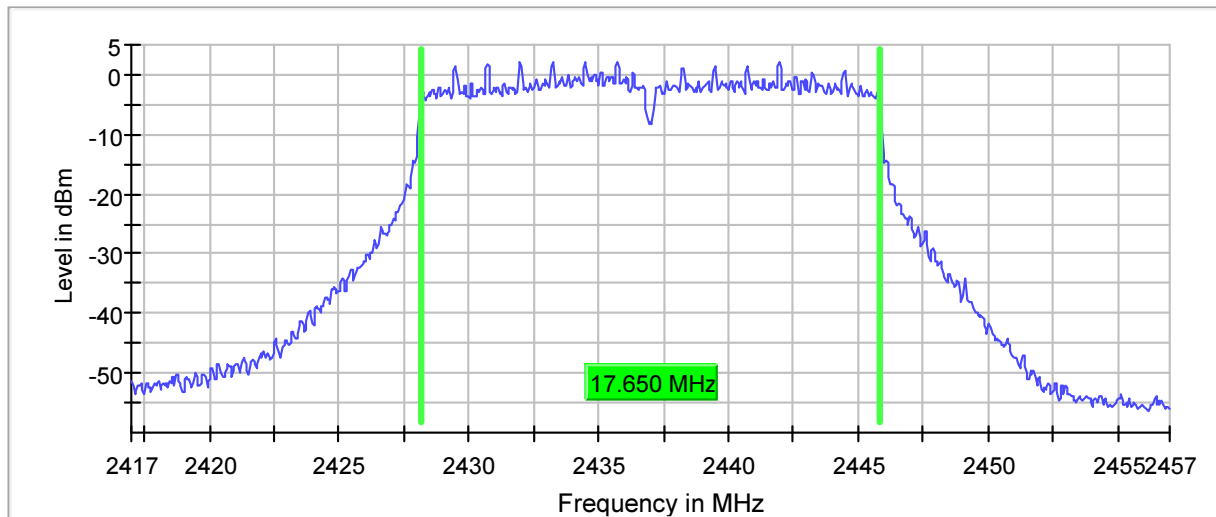
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2437MHz
Result	6dB BW = 17.65MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2437.000000	17.650000	0.500000	---	2428.175000	2445.825000	2.3	PASS

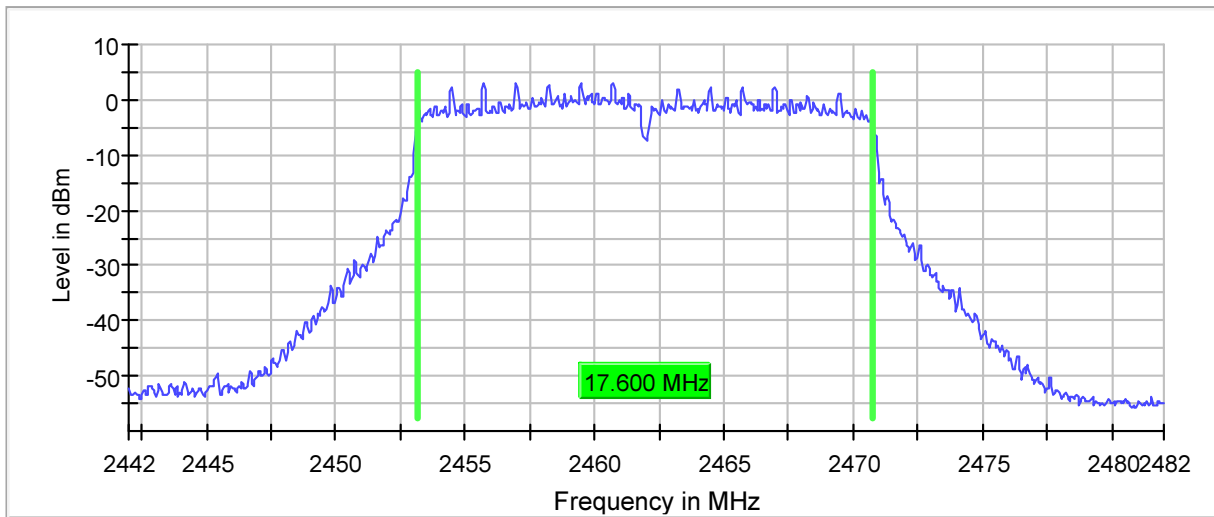
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2462MHz
Result	6dB BW = 17.6MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2462.000000	17.600000	0.500000	---	2453.175000	2470.775000	3.2	PASS

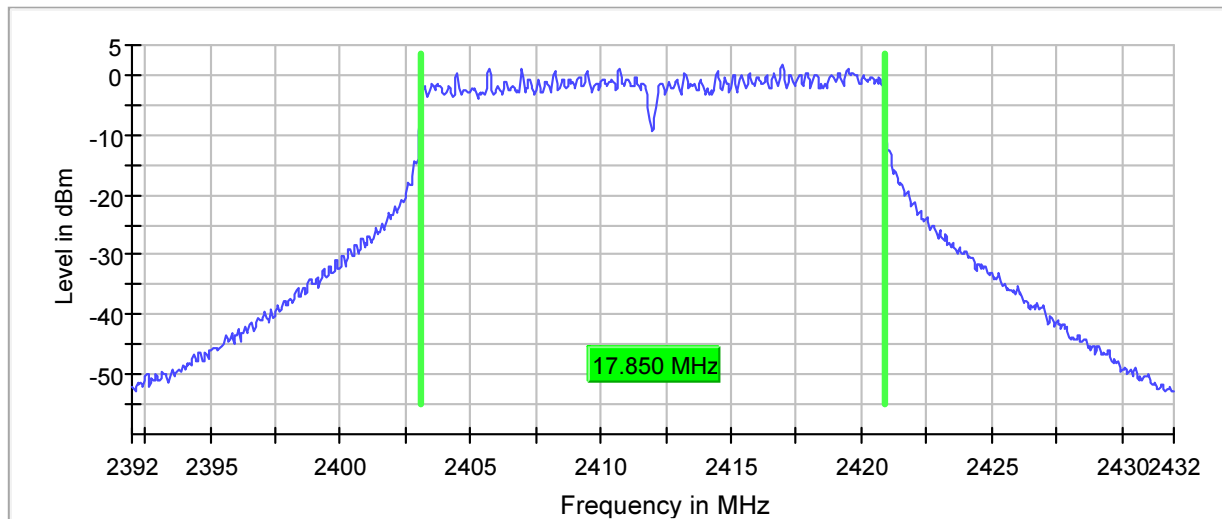
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS7
Frequency Tested	2412MHz
Result	6dB BW = 17.85MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2412.000000	17.850000	0.500000	---	2403.075000	2420.925000	1.6	PASS

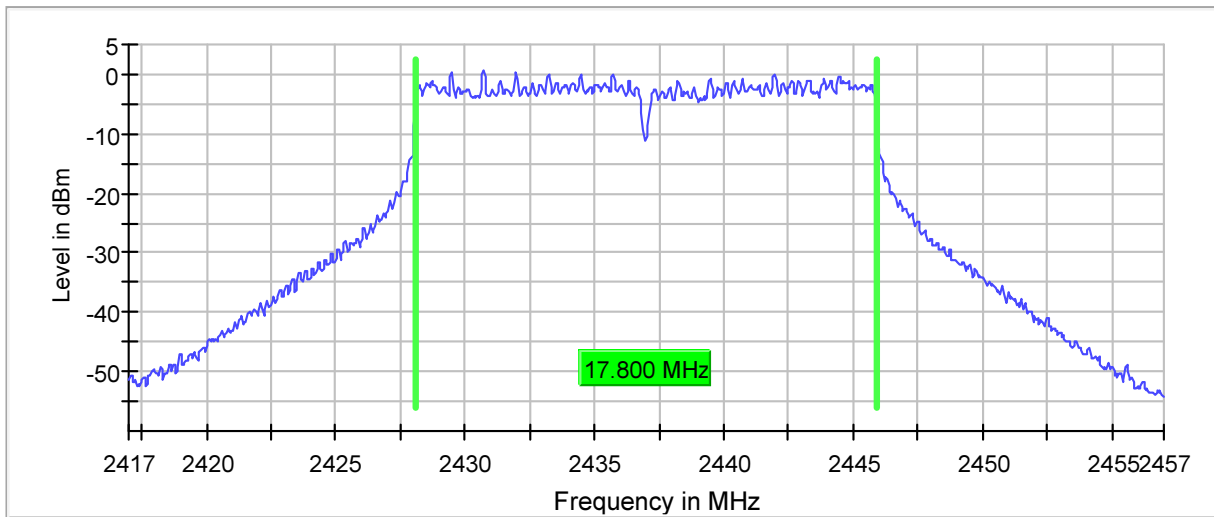
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS7
Frequency Tested	2437MHz
Result	6dB BW = 17.8MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2437.000000	17.800000	0.500000	---	2428.075000	2445.875000	0.6	PASS

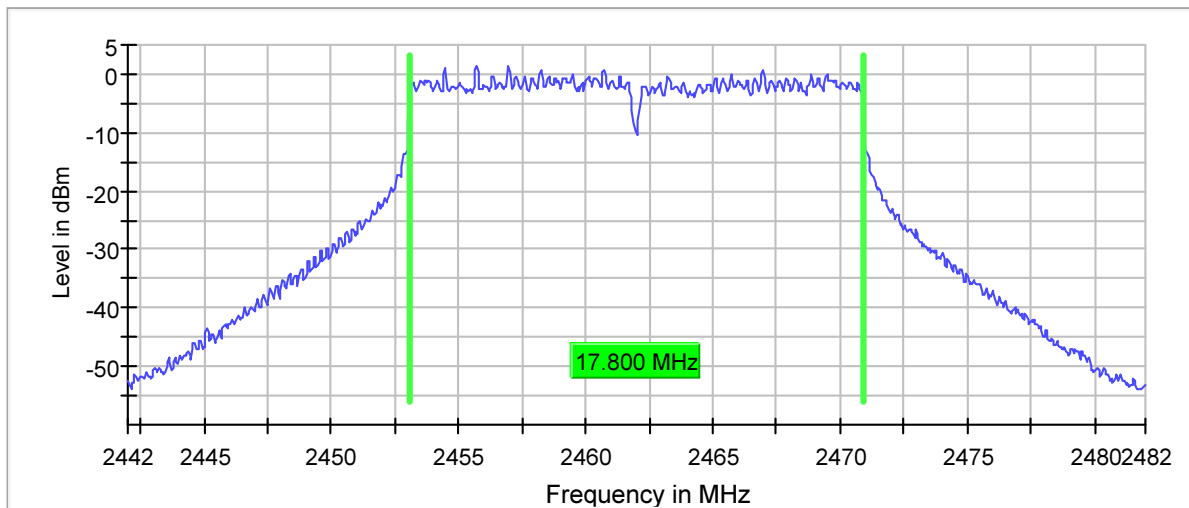
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS7
Frequency Tested	2462MHz
Result	6dB BW = 17.8MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2462.000000	17.800000	0.500000	---	2453.075000	2470.875000	1.3	PASS

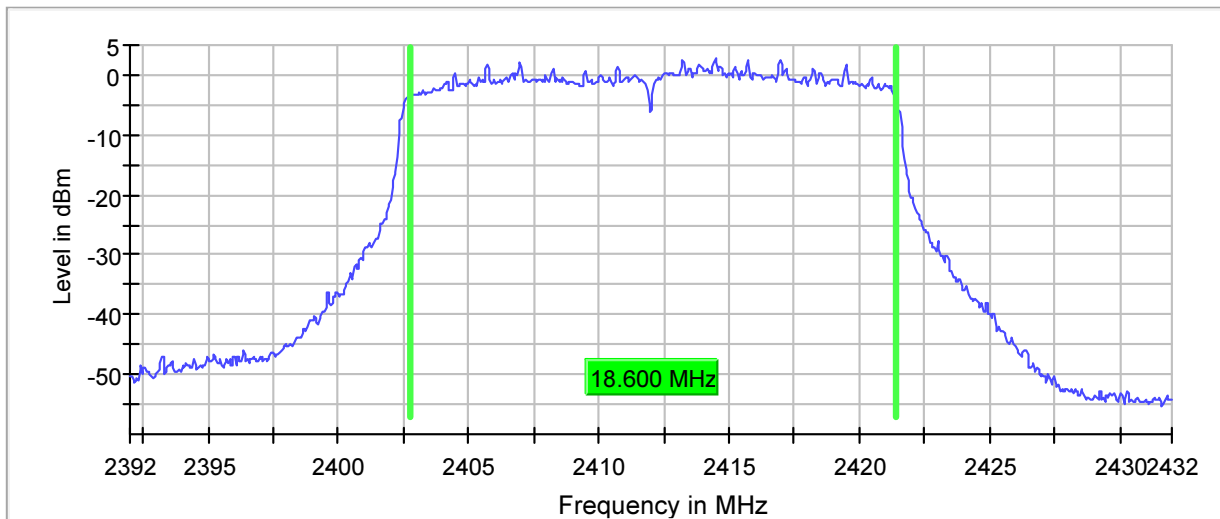
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2412MHz
Result	6dB BW = 18.6MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2412.000000	18.600000	0.500000	---	2402.775000	2421.375000	2.7	PASS

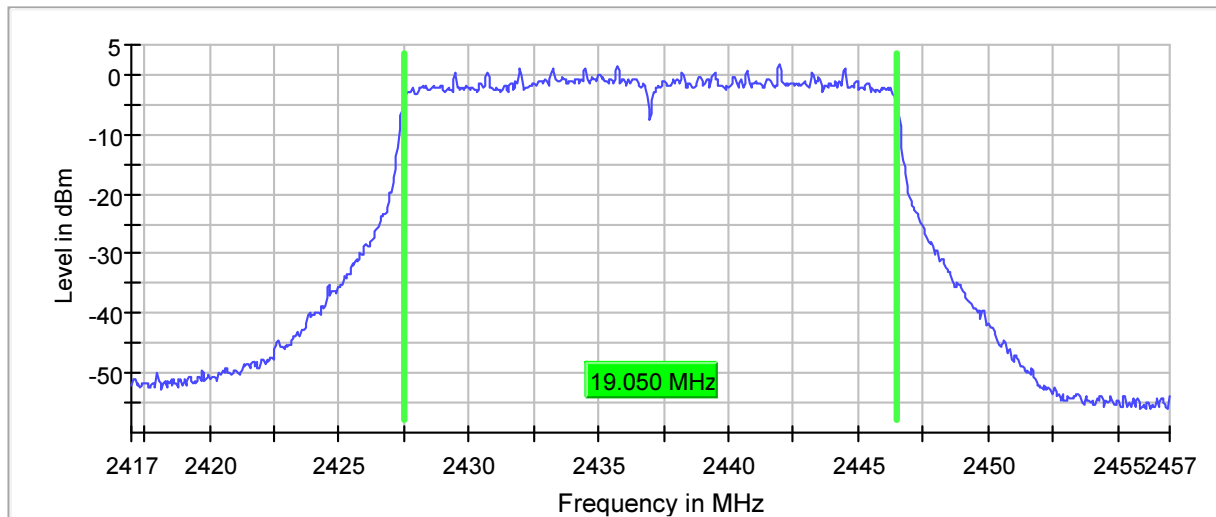
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2437MHz
Result	6dB BW = 19.05MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2437.000000	19.050000	0.500000	---	2427.475000	2446.525000	1.7	PASS

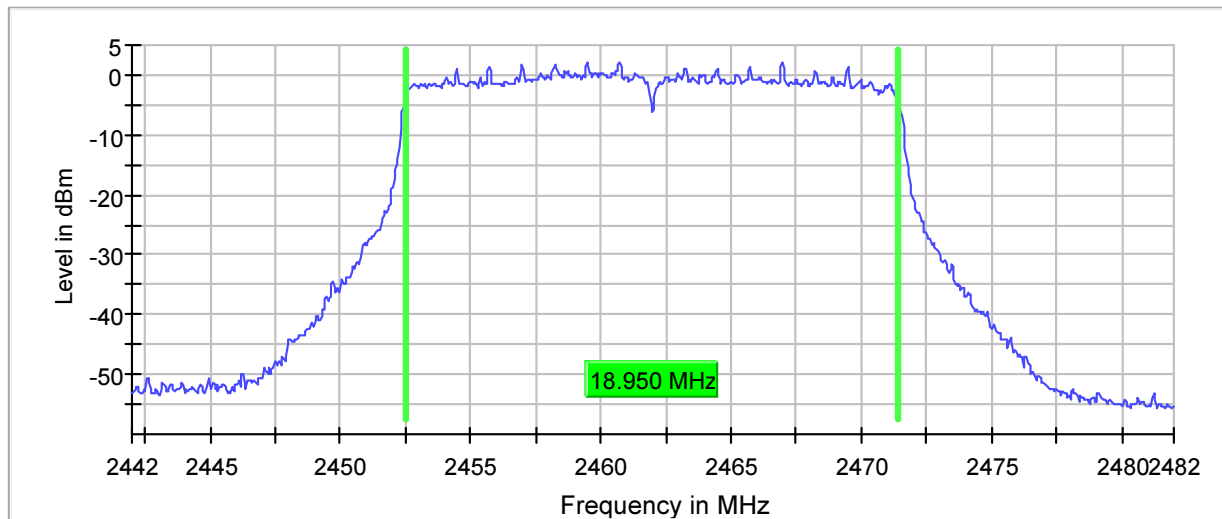
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2462MHz
Result	6dB BW = 18.95MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2462.000000	18.950000	0.500000	---	2452.475000	2471.425000	2.3	PASS

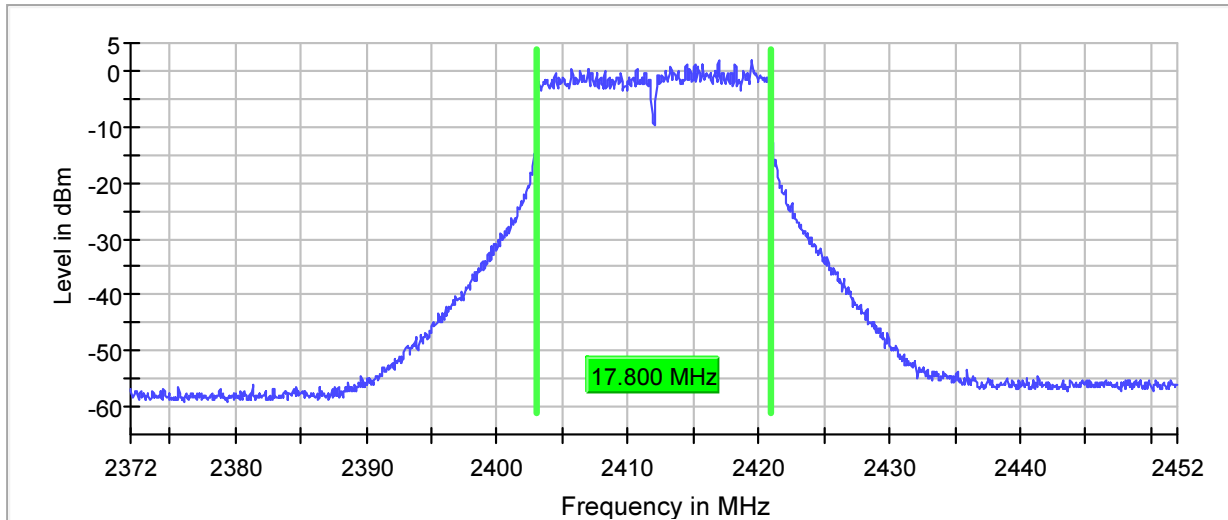
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS11
Frequency Tested	2412MHz
Result	6dB BW = 17.8MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2412.000000	17.800000	0.500000	---	2403.075000	2420.875000	2.0	PASS

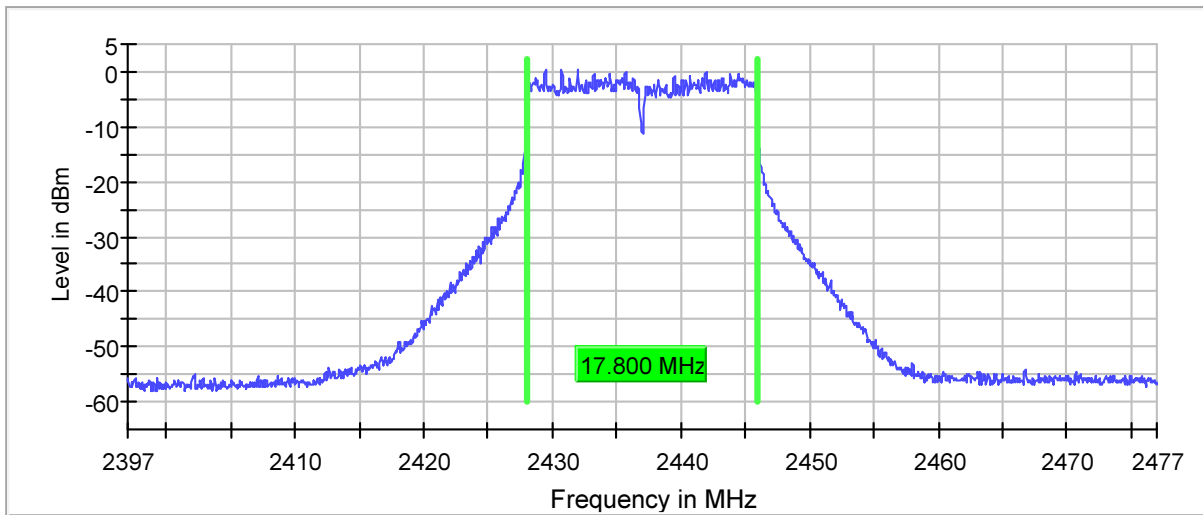
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS11
Frequency Tested	2437MHz
Result	6dB BW = 17.8MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2437.000000	17.800000	0.500000	---	2428.075000	2445.875000	0.4	PASS

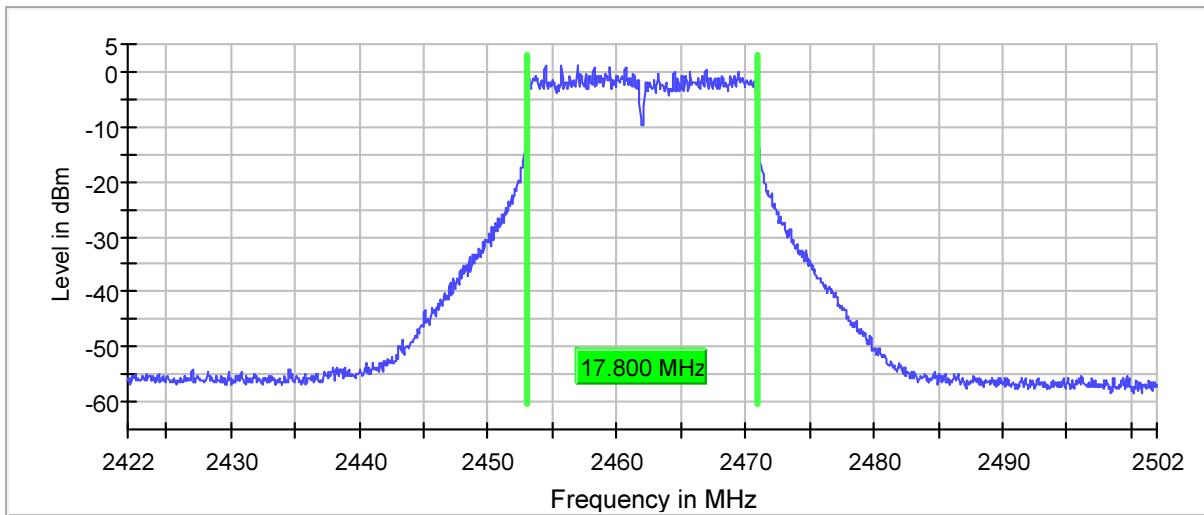
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS11
Frequency Tested	2462MHz
Result	6dB BW = 17.8MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2462.000000	17.800000	0.500000	---	2453.075000	2470.875000	1.2	PASS

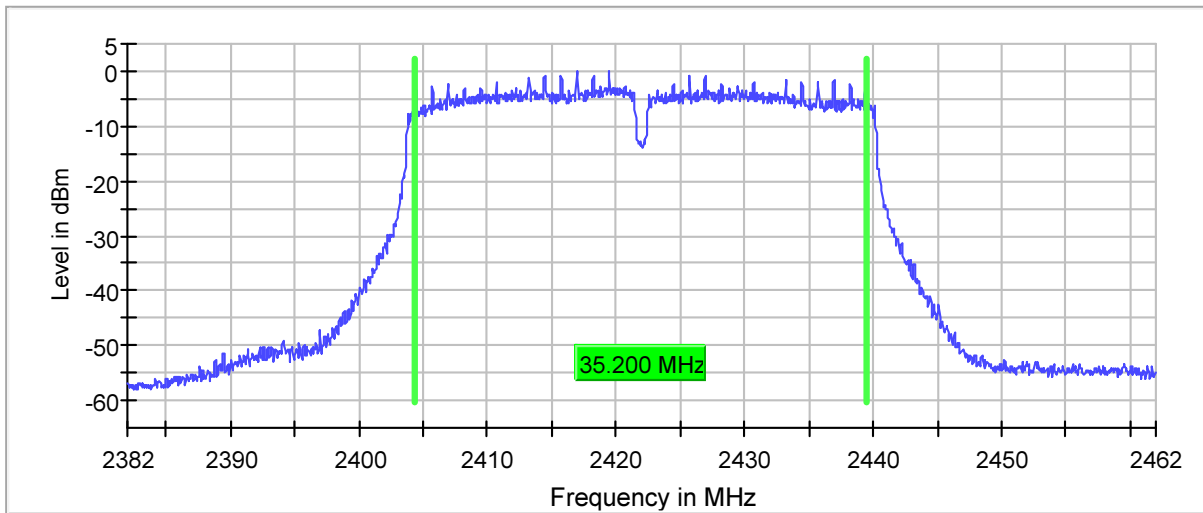
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2422MHz
Result	6dB BW = 35.2MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2422.000000	35.200000	0.500000	---	2404.375000	2439.575000	0.1	PASS

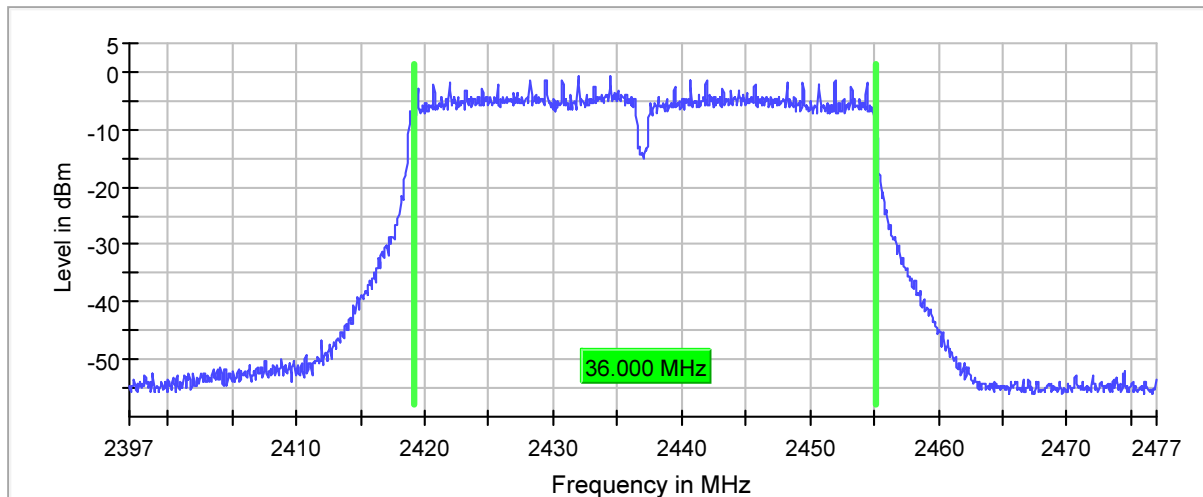
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2437MHz
Result	6dB BW = 36MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2437.000000	36.000000	0.500000	---	2419.175000	2455.175000	-0.7	PASS

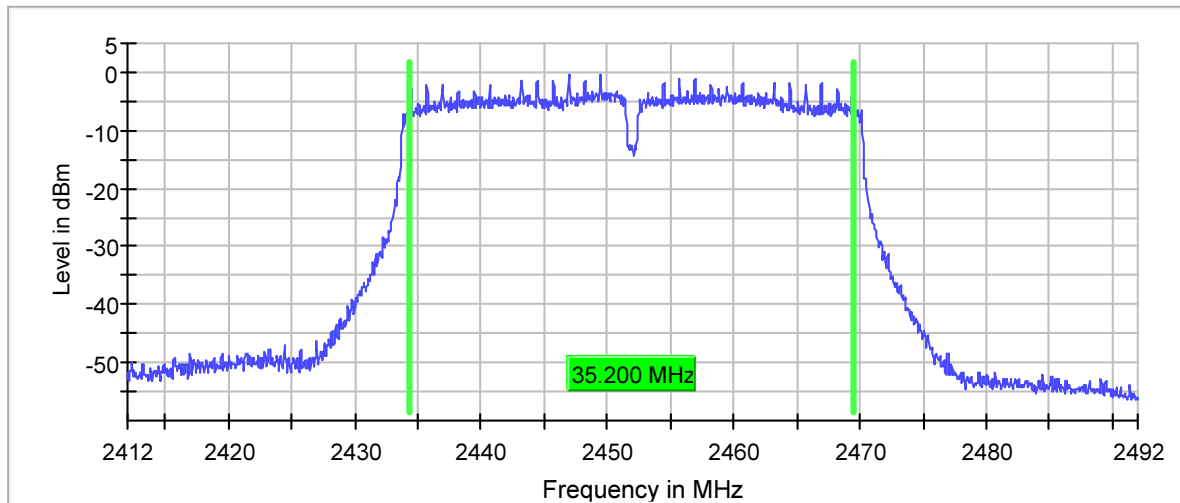
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2452MHz
Result	6dB BW = 35.2MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2452.000000	35.200000	0.500000	---	2434.375000	2469.575000	-0.4	PASS

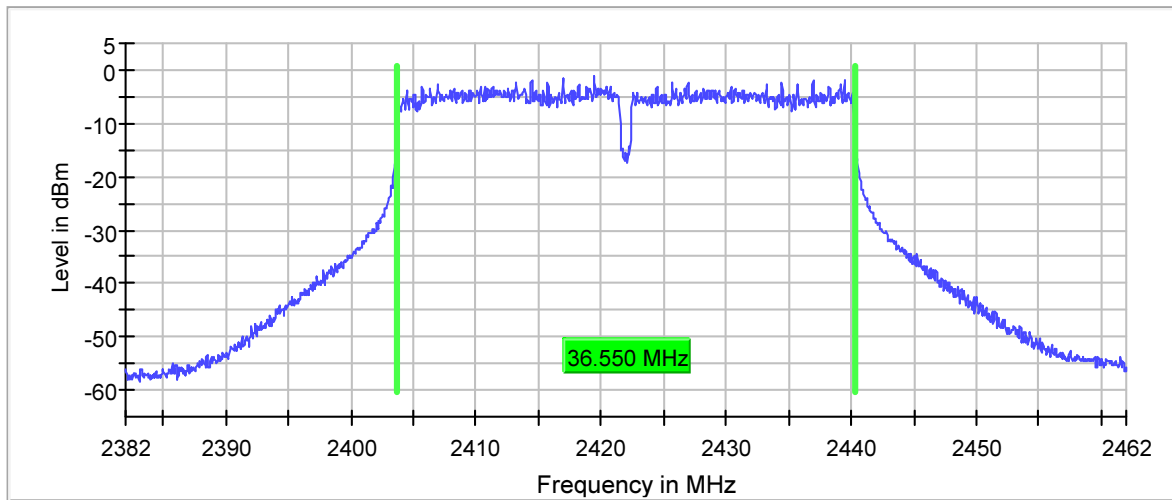
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2422MHz
Result	6dB BW = 36.55MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2422.000000	36.550000	0.500000	---	2403.725000	2440.275000	-1.3	PASS

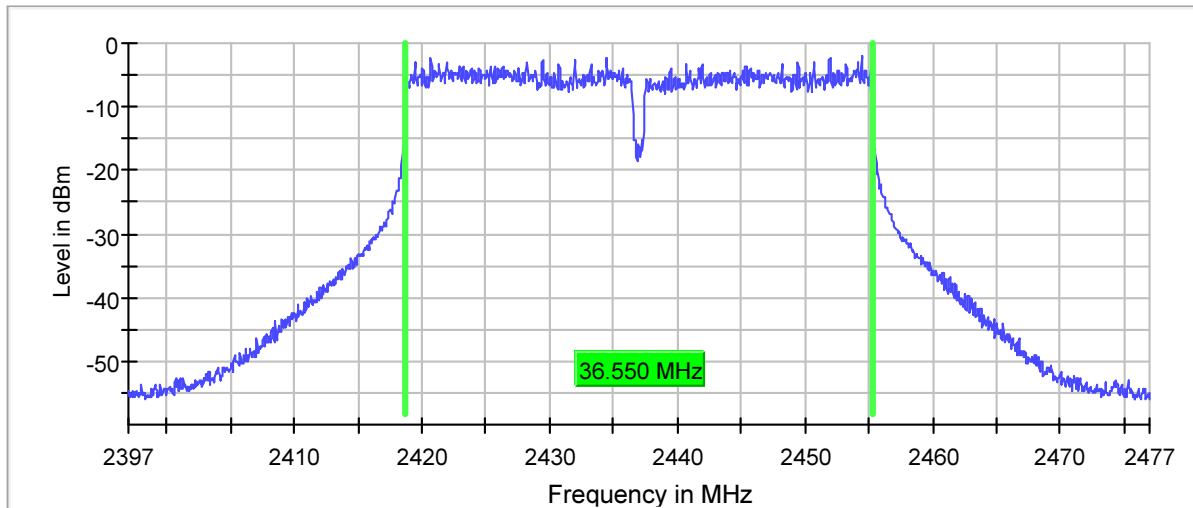
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2437MHz
Result	6dB BW = 36.55MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2422.000000	36.550000	0.500000	---	2403.725000	2440.275000	-2.0	PASS

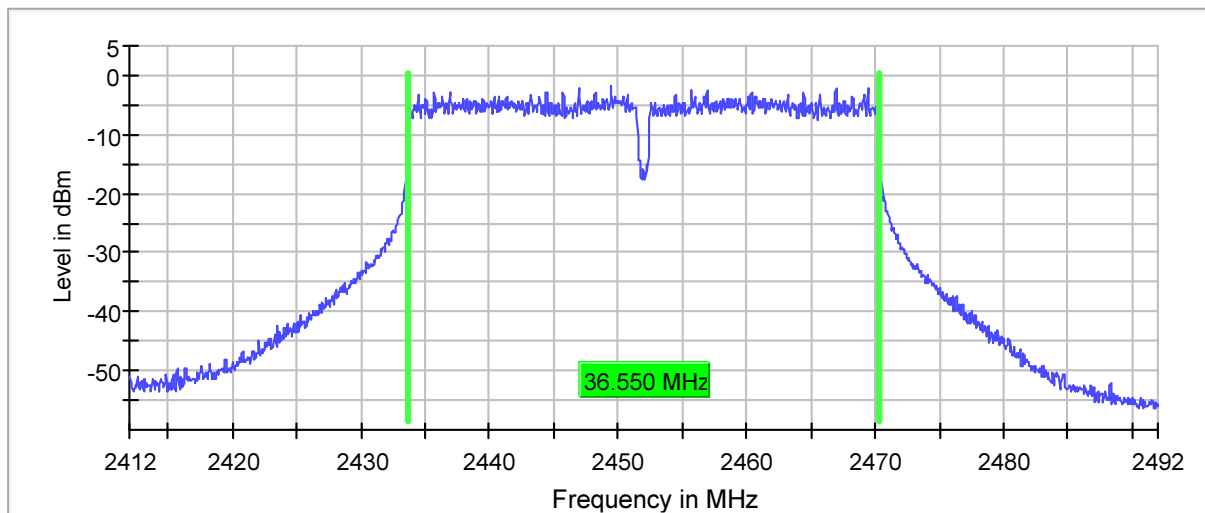
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2452MHz
Result	6dB BW = 36.55MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2452.000000	36.550000	0.500000	---	2433.725000	2470.275000	-1.8	PASS

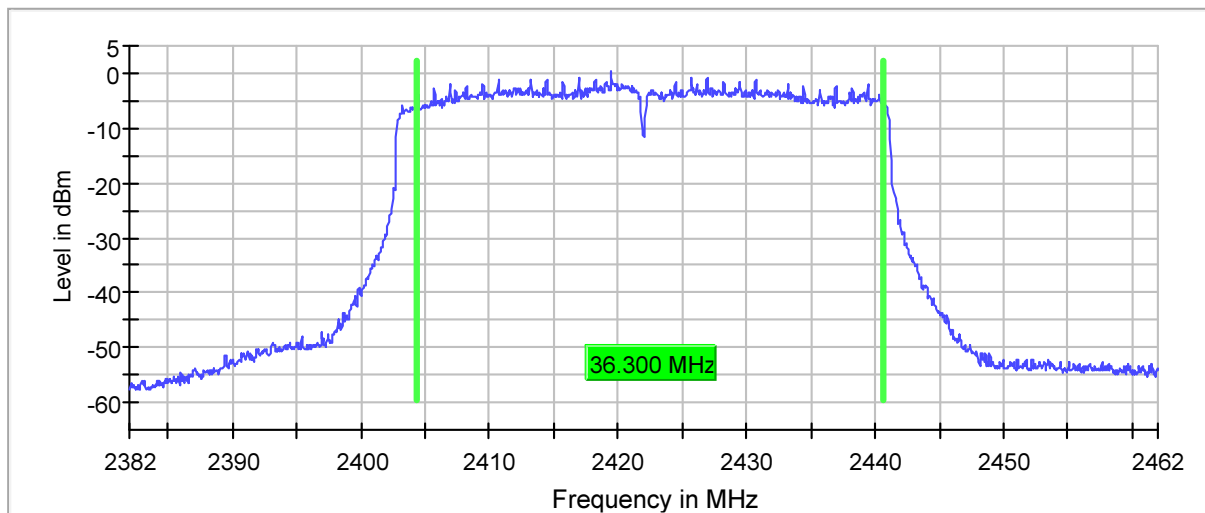
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2422MHz
Result	6dB BW = 36.3MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2422.000000	36.300000	0.500000	---	2404.375000	2440.675000	0.4	PASS

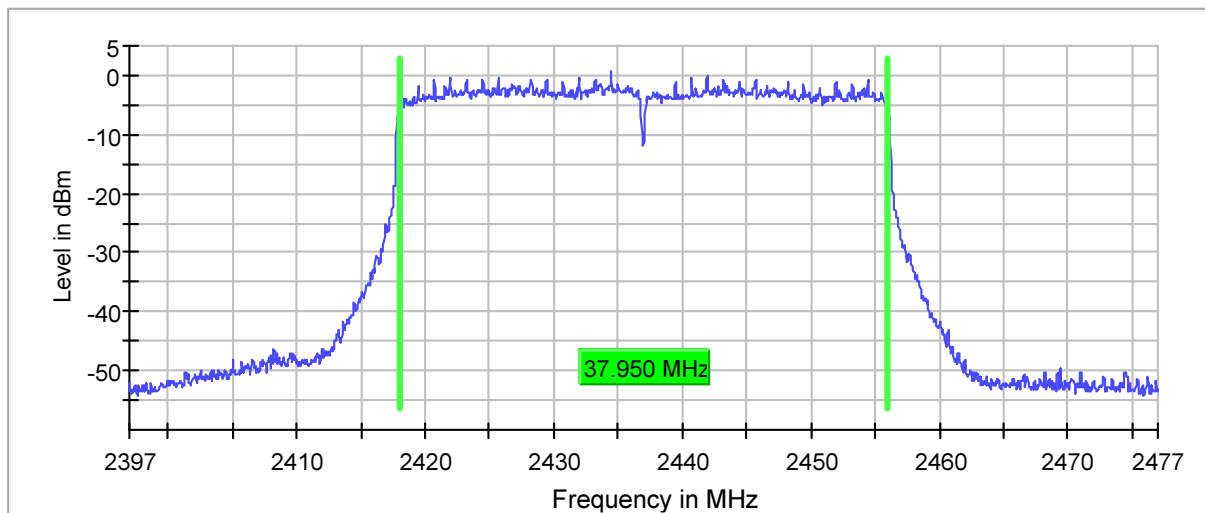
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2437MHz
Result	6dB BW = 37.95MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2437.000000	37.950000	0.500000	---	2418.025000	2455.975000	0.7	PASS

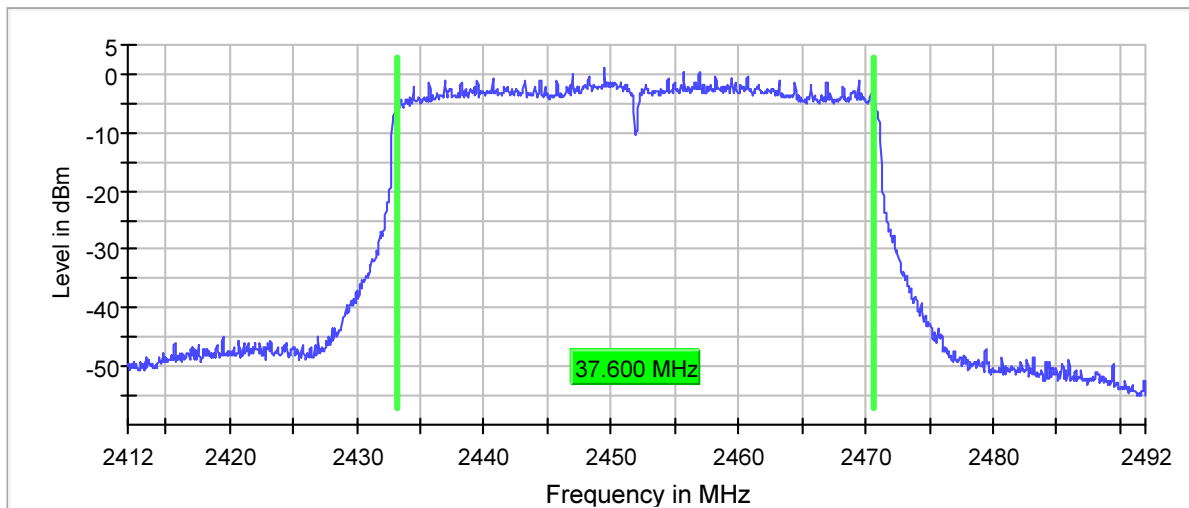
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2452MHz
Result	6dB BW = 37.6MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2452.000000	37.600000	0.500000	---	2433.125000	2470.725000	0.9	PASS

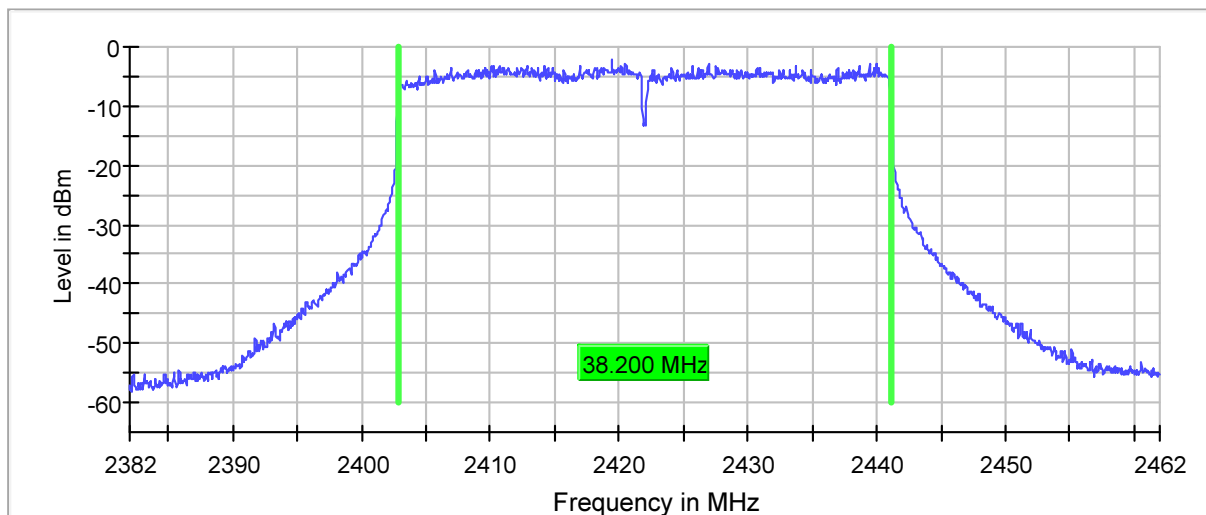
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS11
Frequency Tested	2422MHz
Result	6dB BW = 38.2MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2422.000000	38.200000	0.500000	---	2402.875000	2441.075000	-2.1	PASS

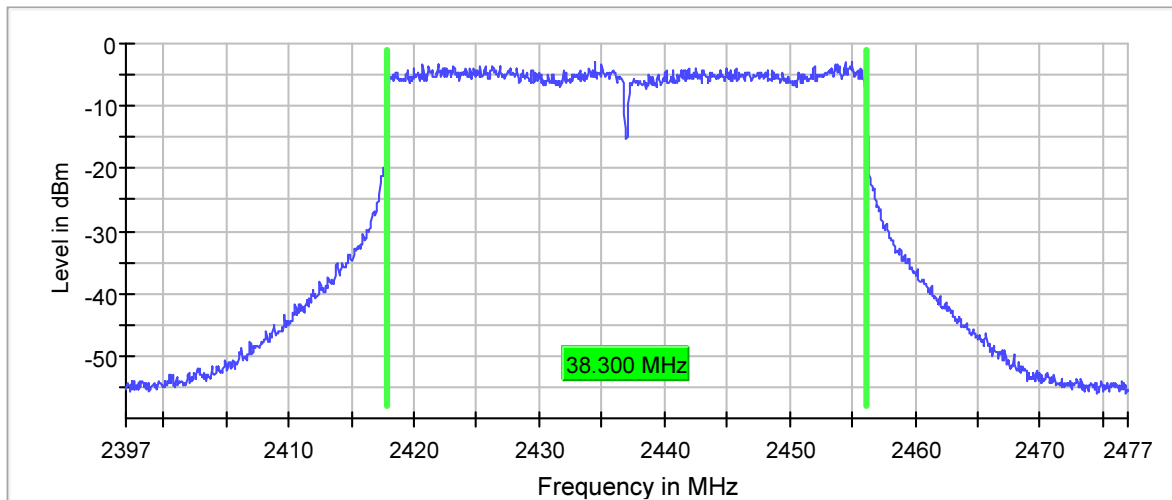
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS11
Frequency Tested	2437MHz
Result	6dB BW = 38.3MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2437.000000	38.300000	0.500000	---	2417.825000	2456.125000	-2.9	PASS

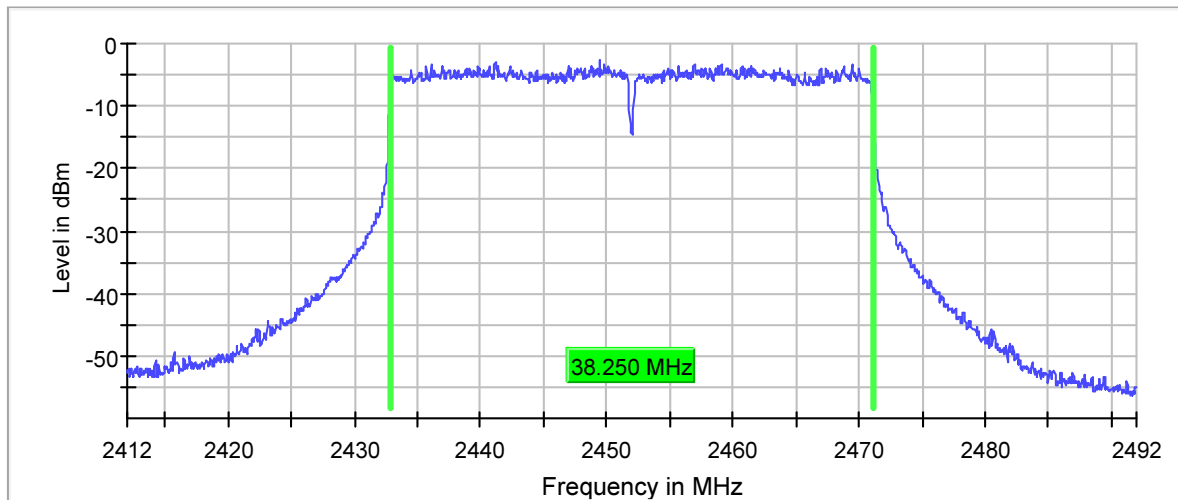
6 dB Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS11
Frequency Tested	2452MHz
Result	6dB BW = 38.25MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2452.000000	38.250000	0.500000	---	2432.825000	2471.075000	-2.7	PASS

6 dB Bandwidth



22. Occupied Bandwidth (99%)

EUT Information	
Manufacturer	Righthand Technologies Inc
Product	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx

Test Setup Details	
Setup Format	Tabletop
Height of Support	N/A
Measurement Method	Antenna Conducted
Type of Test Site	Workbench
Test Site Used	N/A
Type of Antennas Used	N/A
Notes	None

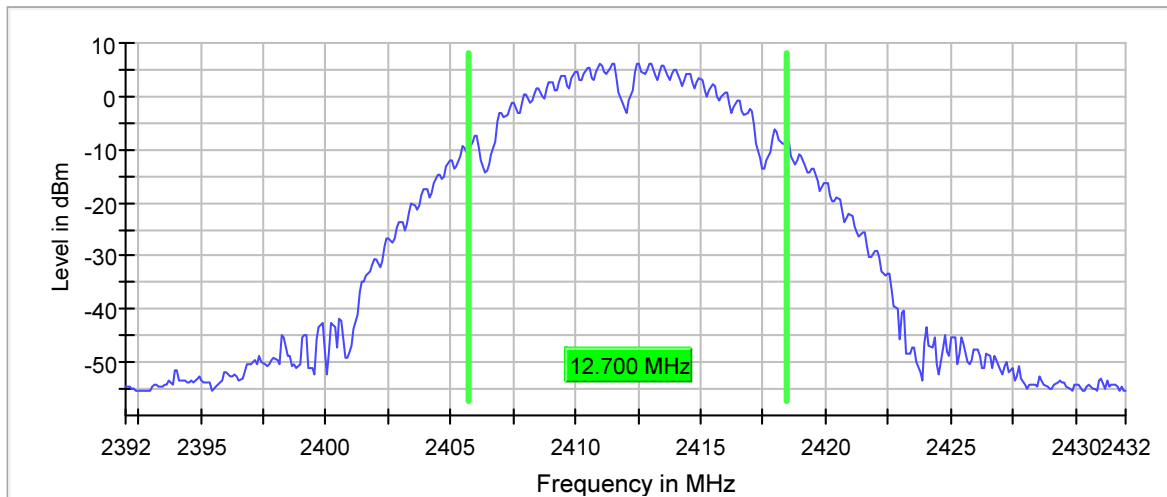
Requirement
RSS-Gen requires the measurement of the 99% bandwidth (Occupied Bandwidth).

Procedure
Antenna Port 1 of the EUT was connected to the DUT 1 port of the Rohde & Schwarz OSP 120/OSP-B157 system via a coaxial cable and RF attenuator. Each antenna port of the EUT was connected to a separate port (DUT 2, DUT 3, and DUT 4) via separate coaxial cables and RF attenuators. - The following settings were employed on the EMI Test Receiver: - Center Frequency = Transmit Frequency of the EUT - Frequency Span = Between 1.5x and 5x the OBW - RBW = Between 1% to 5% of the OBW - VBW = Approximately 3 x RBW - Detector Mode = Max Peak - Trace Mode = Max Hold - Allow the trace to stabilize. - Use the 99% power bandwidth function of the EMI receiver.

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2412MHz
Result	OBW = 12.7MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2412.000000	12.700000	---	---	2405.750000	2418.450000	PASS

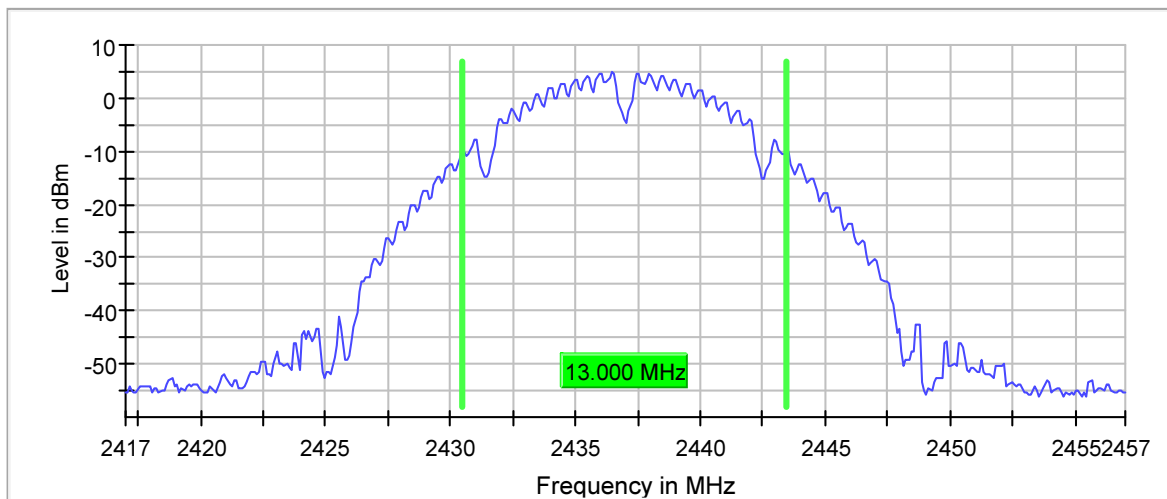
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2437MHz
Result	OBW = 13.0MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2437.000000	13.000000	---	---	2430.450000	2443.450000	PASS

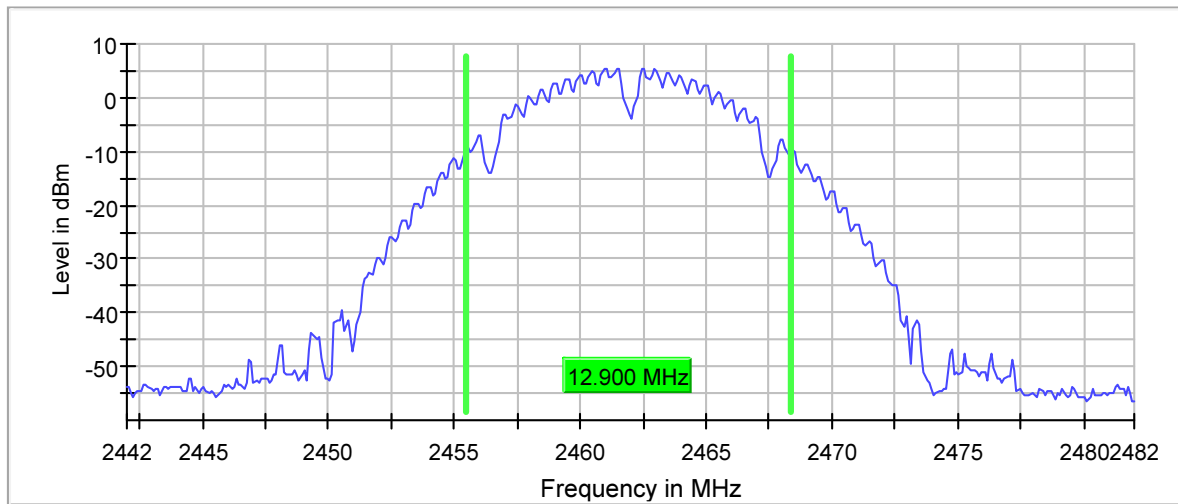
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2462MHz
Result	OBW = 12.9MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2462.000000	12.900000	---	---	2455.450000	2468.350000	PASS

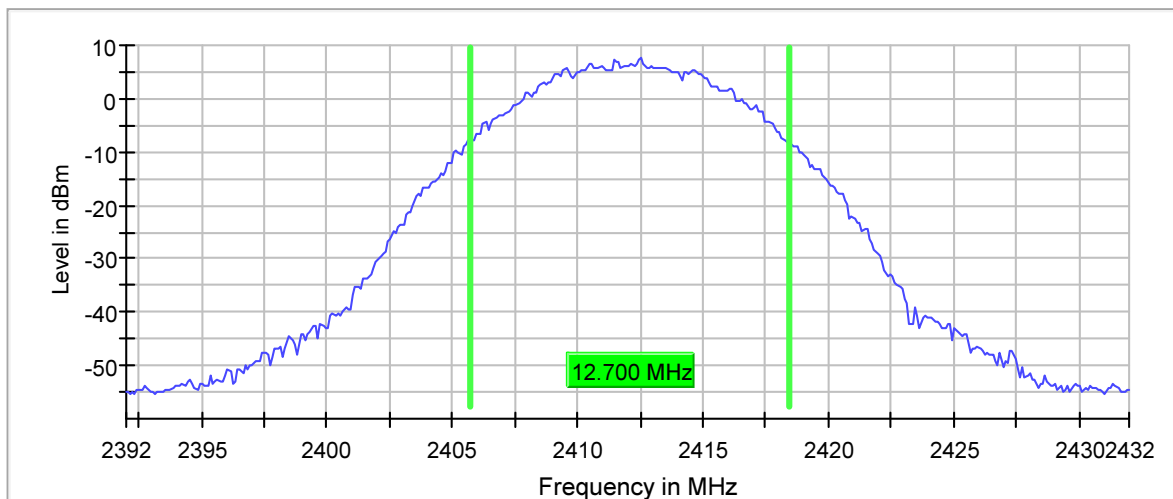
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 11Mbps
Frequency Tested	2412MHz
Result	OBW = 12.7MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2412.000000	12.700000	---	---	2405.750000	2418.450000	PASS

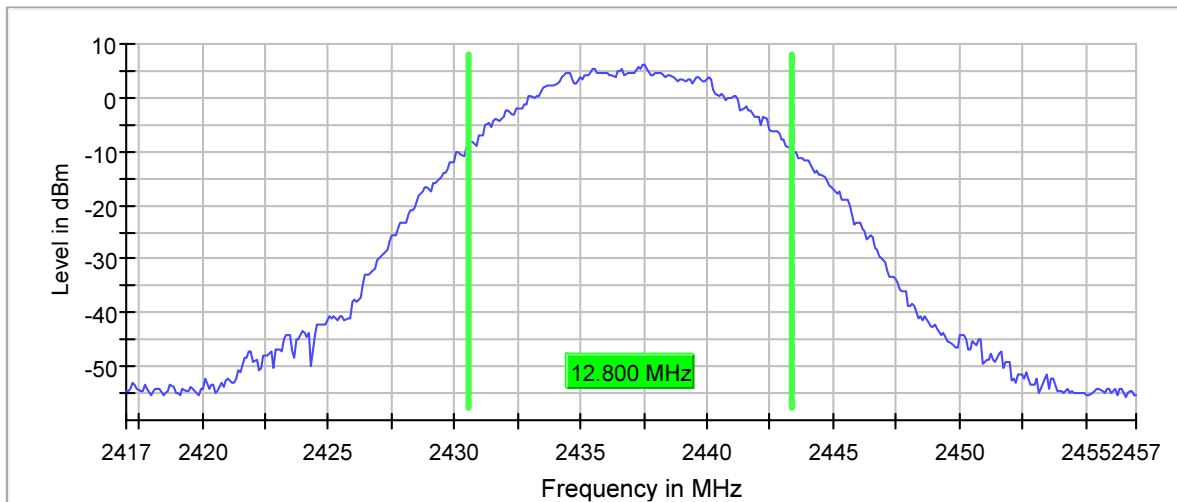
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 11Mbps
Frequency Tested	2437MHz
Result	OBW = 12.8MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2437.000000	12.800000	---	---	2430.550000	2443.350000	PASS

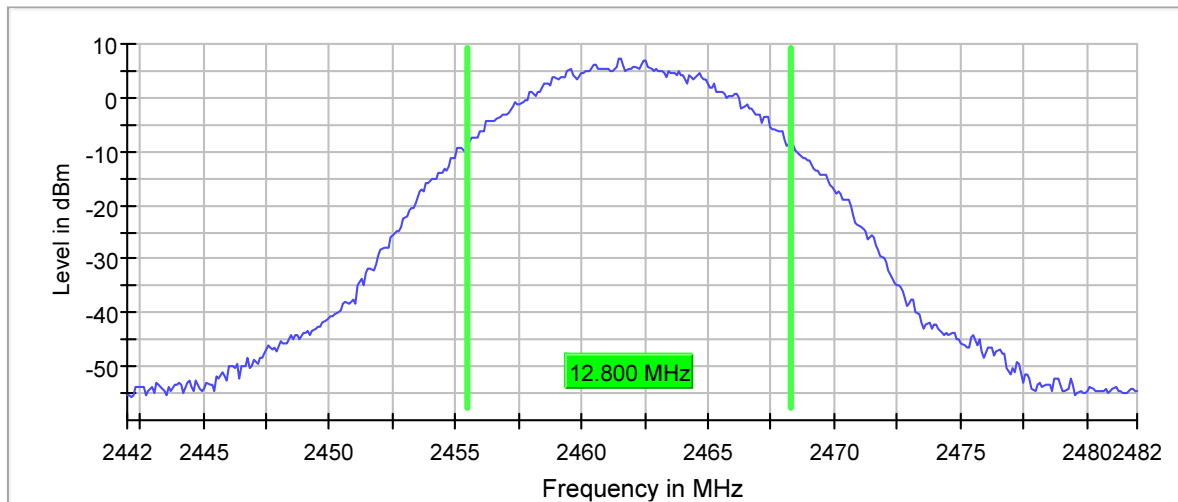
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 11Mbps
Frequency Tested	2462MHz
Result	OBW = 12.8MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2462.000000	12.800000	---	---	2455.450000	2468.250000	PASS

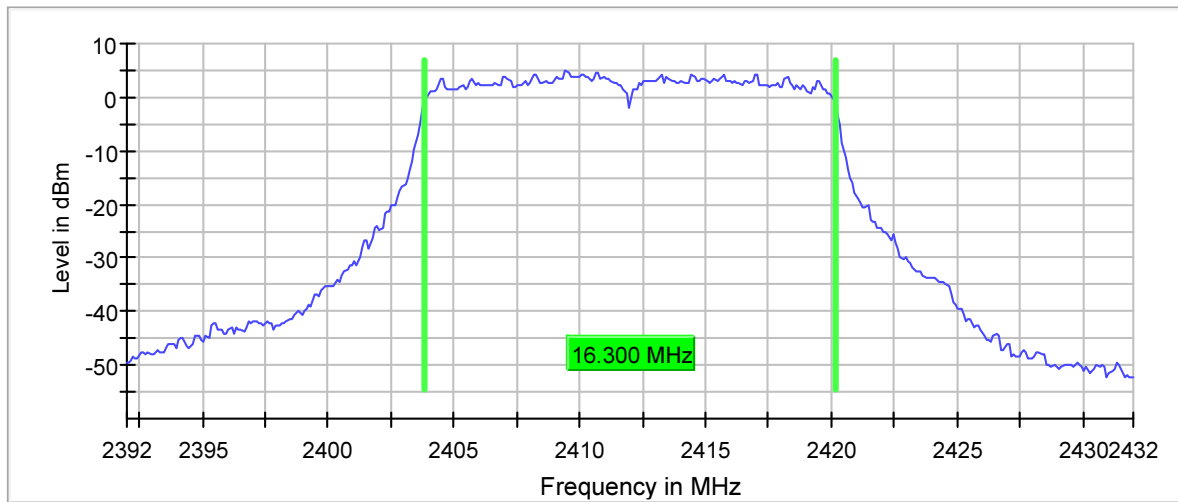
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2412MHz
Result	OBW = 16.3MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2412.000000	16.300000	---	---	2403.850000	2420.150000	PASS

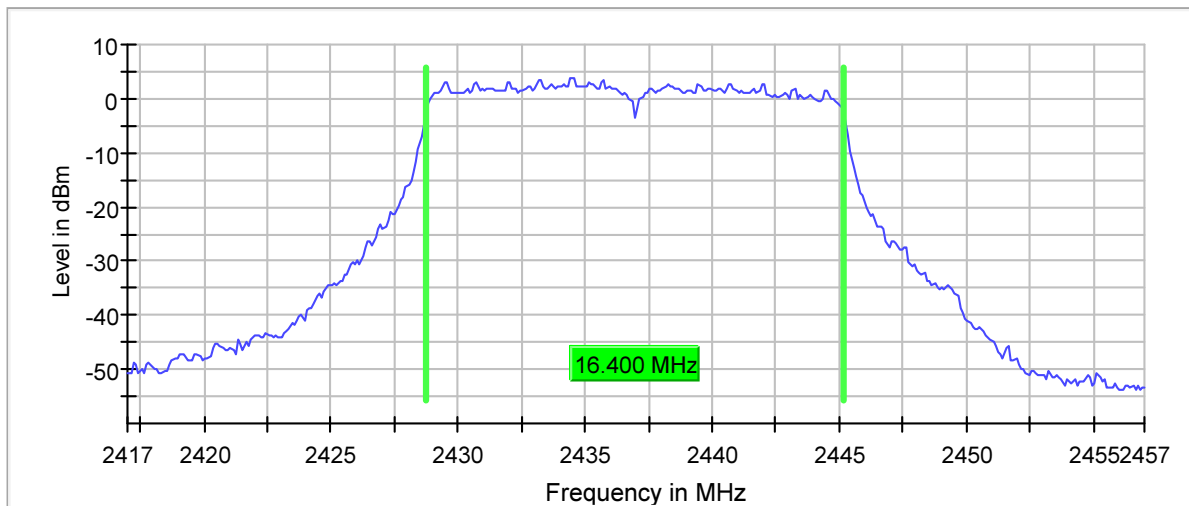
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2437MHz
Result	OBW = 16.4MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2437.000000	16.400000	---	---	2428.750000	2445.150000	PASS

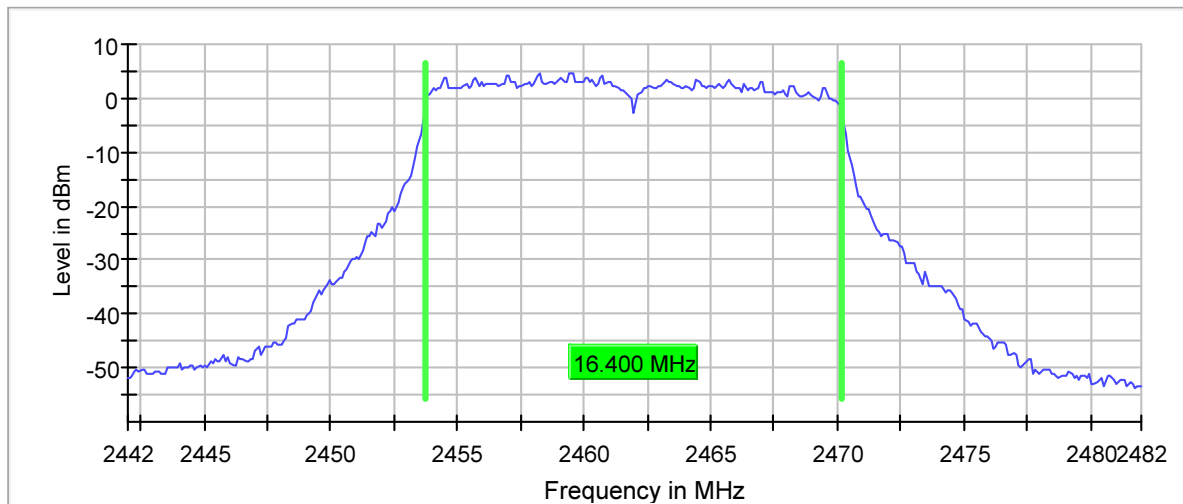
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2462MHz
Result	OBW = 16.4MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2462.000000	16.400000	---	---	2453.750000	2470.150000	PASS

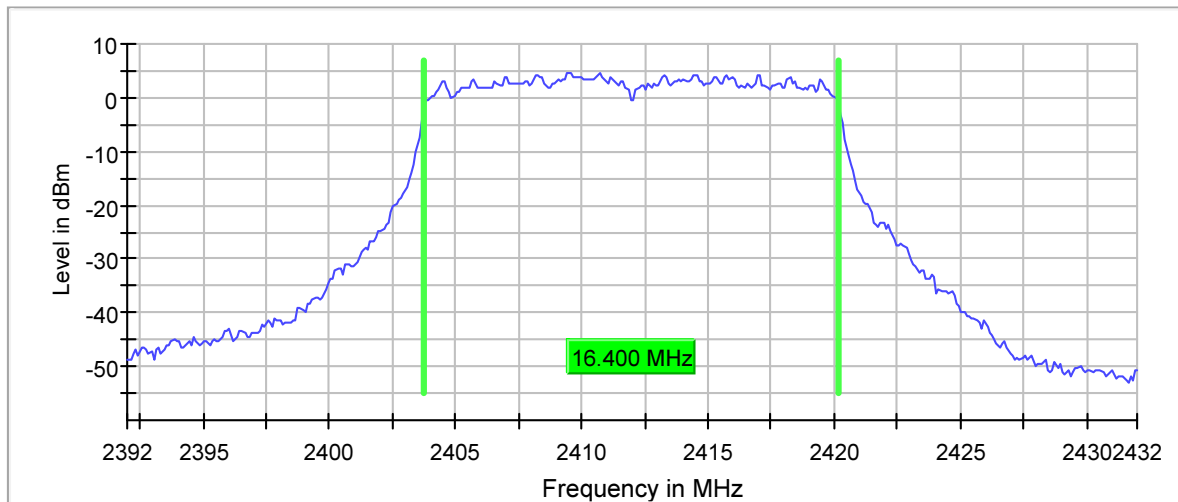
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 54Mbps
Frequency Tested	2412MHz
Result	OBW = 16.4MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2412.000000	16.400000	---	---	2403.750000	2420.150000	PASS

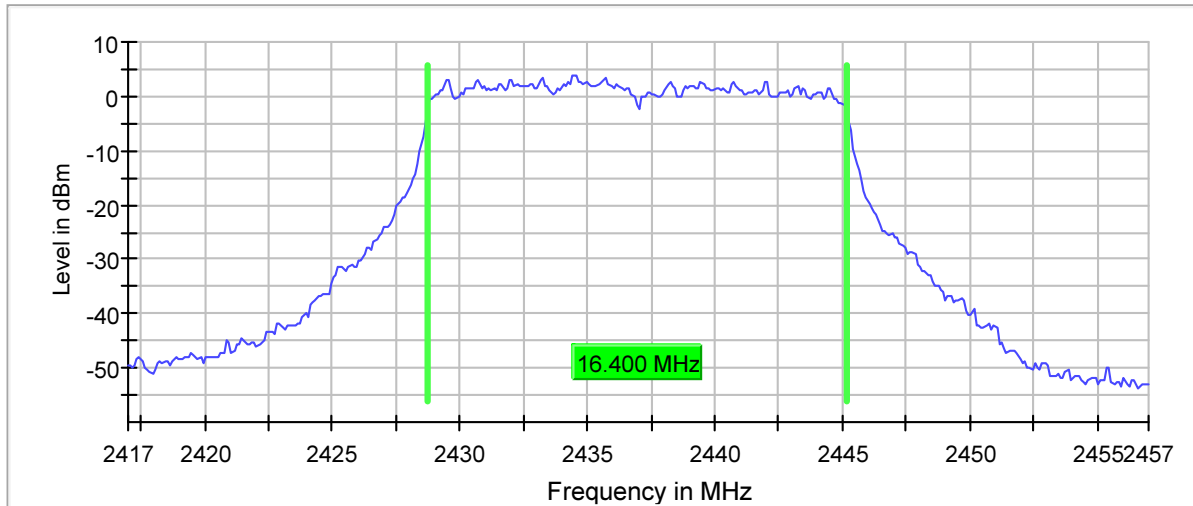
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 54Mbps
Frequency Tested	2437MHz
Result	OBW = 16.4MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2437.000000	16.400000	---	---	2428.750000	2445.150000	PASS

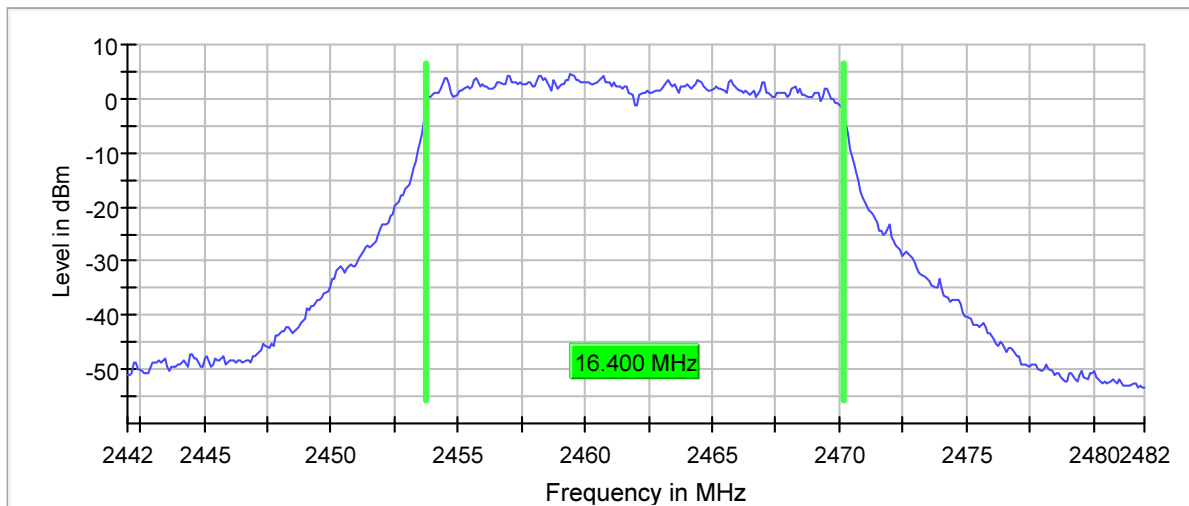
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 54Mbps
Frequency Tested	2462MHz
Result	OBW = 16.4MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2462.000000	16.400000	---	---	2453.750000	2470.150000	PASS

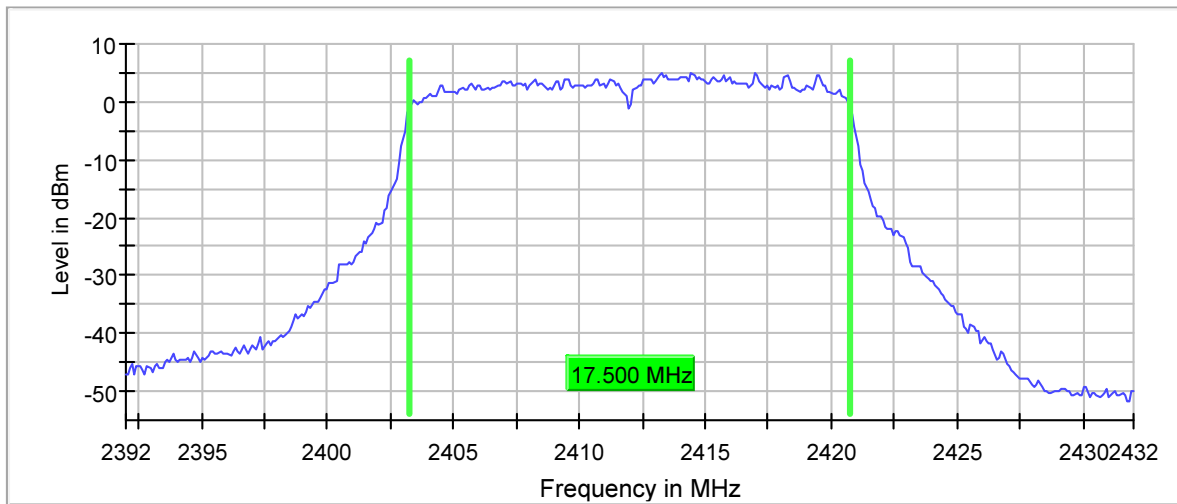
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2412MHz
Result	OBW = 17.5MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2412.000000	17.500000	---	---	2403.250000	2420.750000	PASS

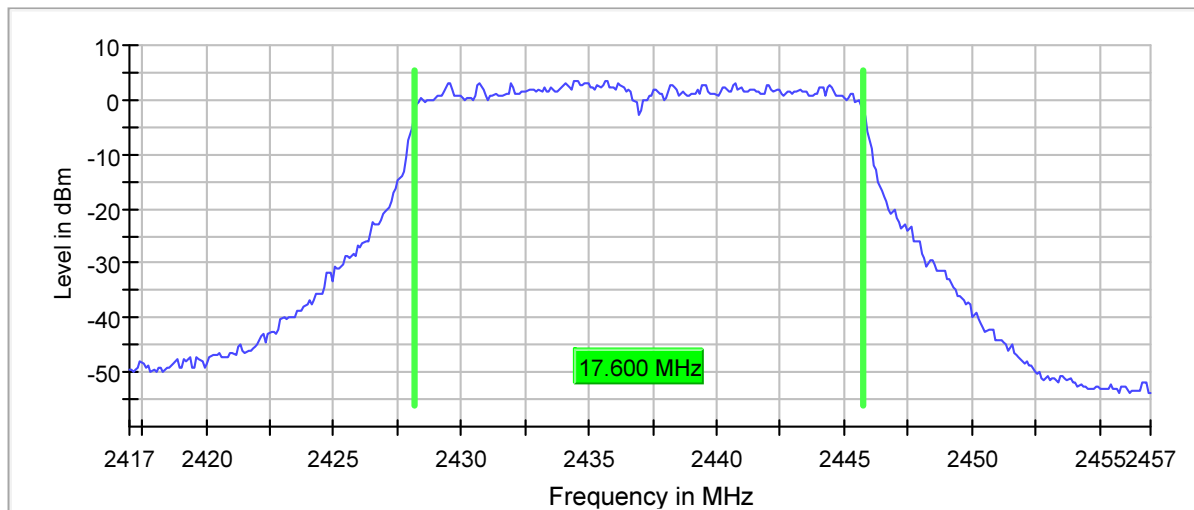
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2437MHz
Result	OBW = 17.6MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2437.000000	17.600000	---	---	2428.150000	2445.750000	PASS

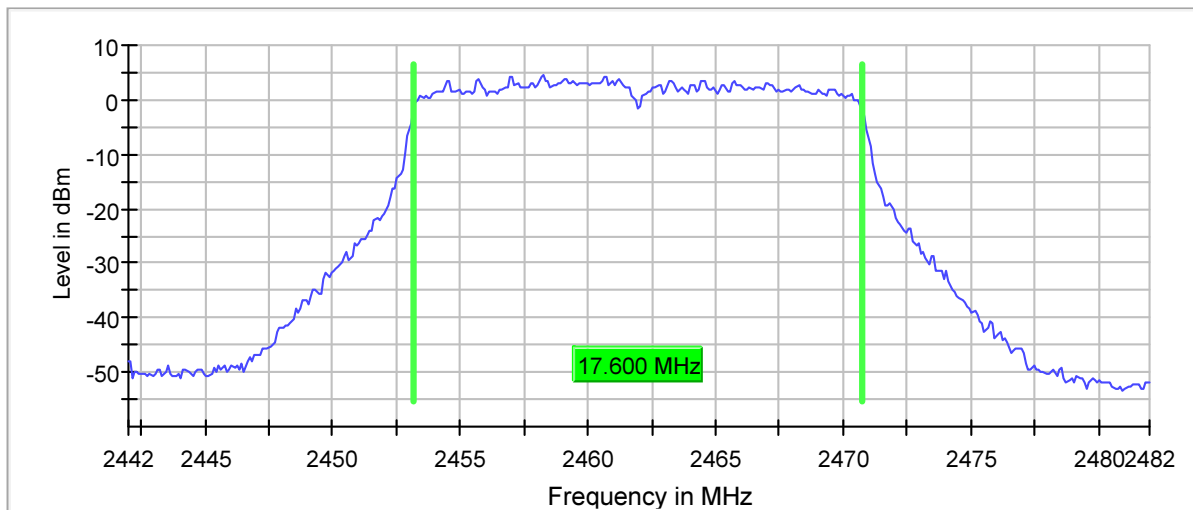
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2462MHz
Result	OBW = 17.6MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2462.000000	17.600000	---	---	2453.150000	2470.750000	PASS

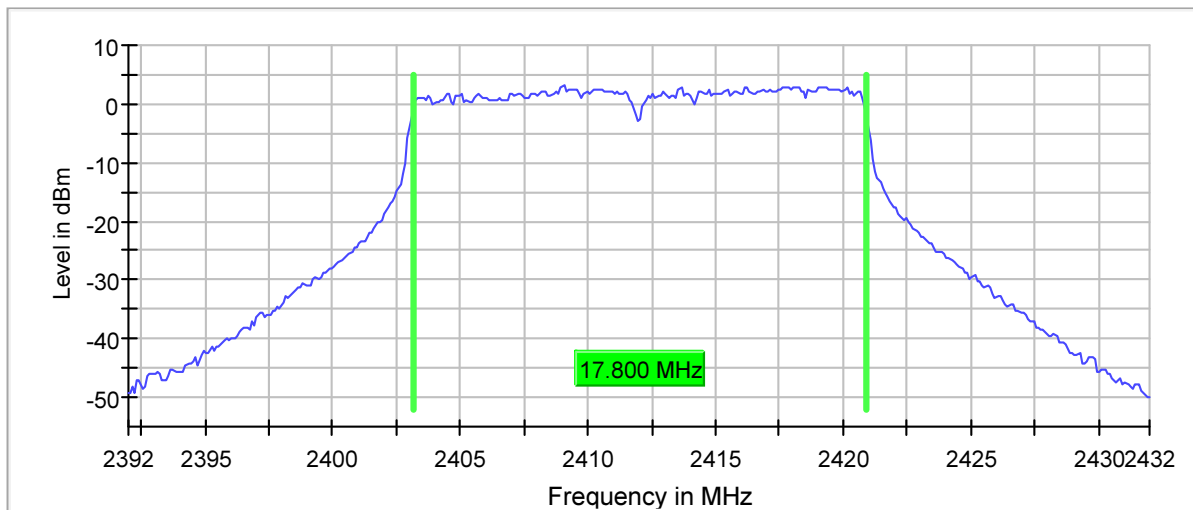
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS7
Frequency Tested	2412MHz
Result	OBW = 17.8MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2412.000000	17.800000	---	---	2403.150000	2420.950000	PASS

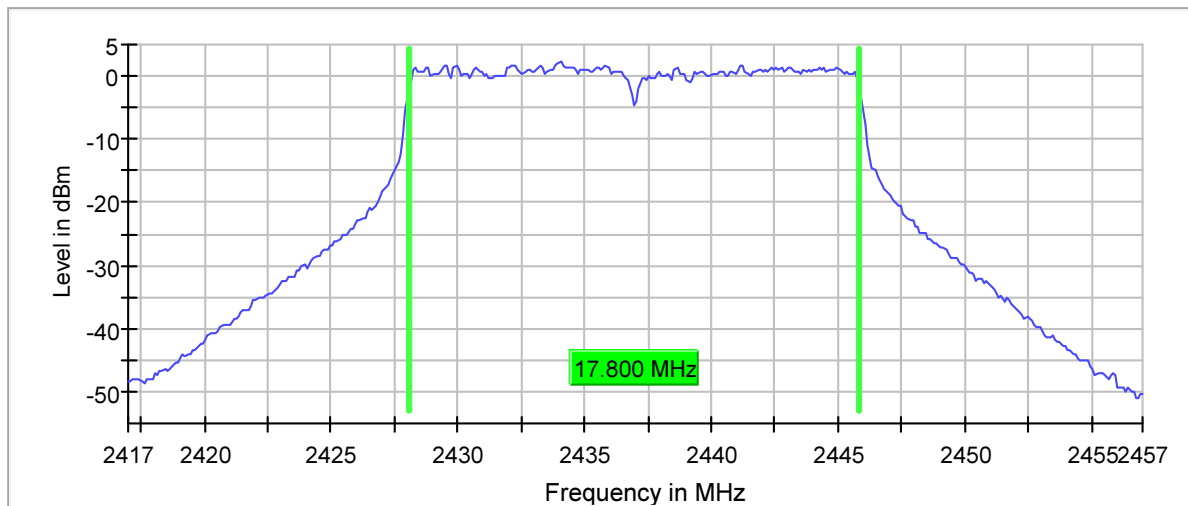
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS7
Frequency Tested	2437MHz
Result	OBW = 17.8MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2437.000000	17.800000	---	---	2428.050000	2445.850000	PASS

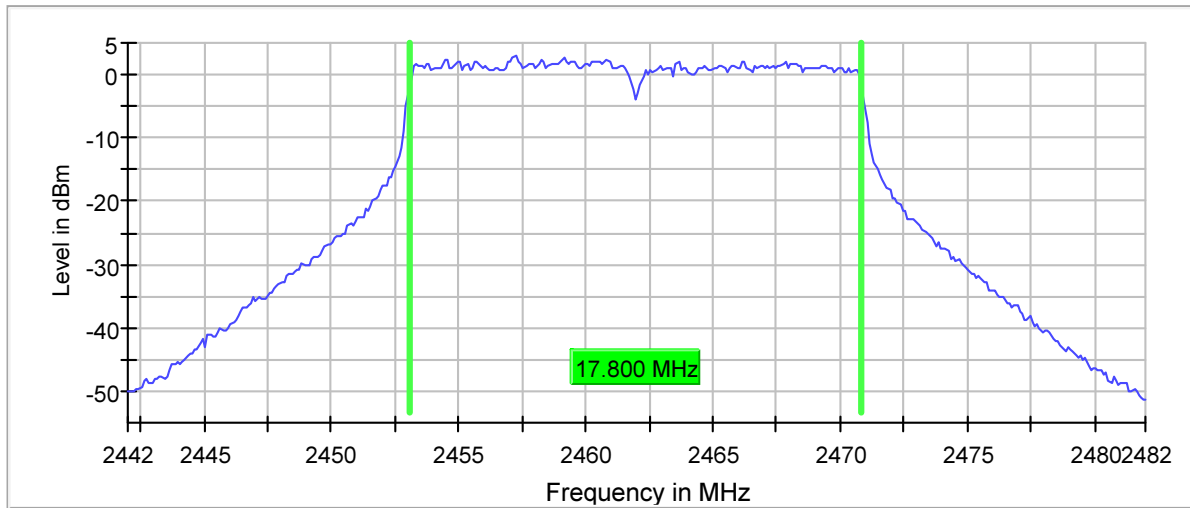
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS7
Frequency Tested	2462MHz
Result	OBW = 17.8MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2462.000000	17.800000	---	---	2453.050000	2470.850000	PASS

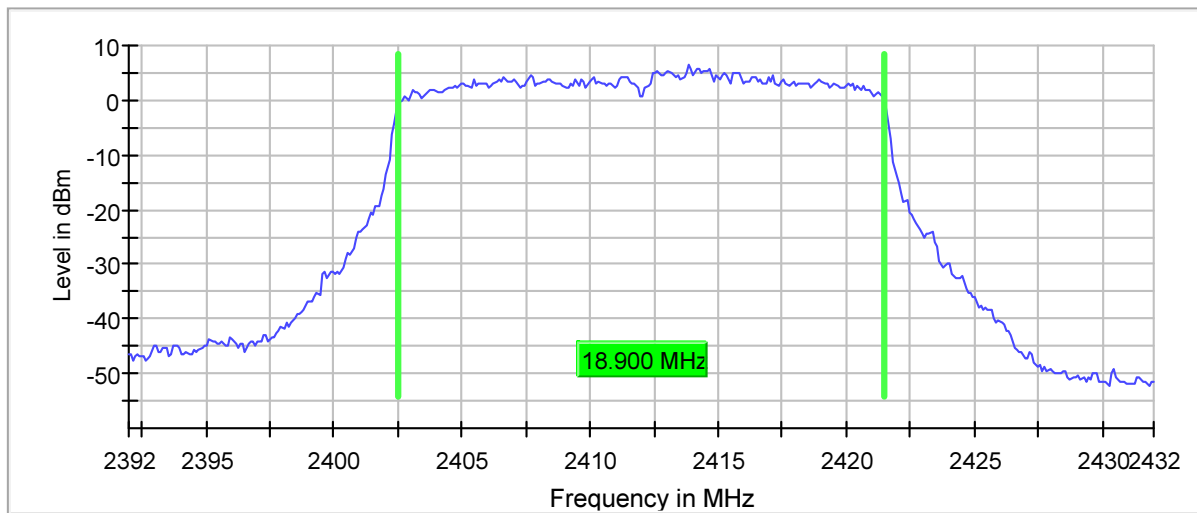
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2412MHz
Result	OBW = 18.9MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2412.000000	18.900000	---	---	2402.550000	2421.450000	PASS

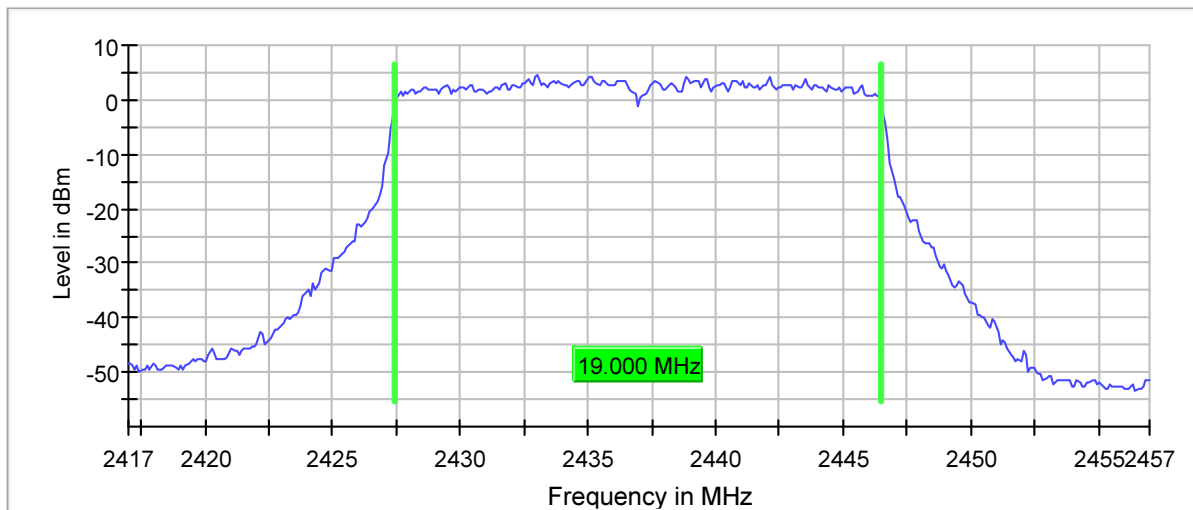
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2437MHz
Result	OBW = 19MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2437.000000	19.000000	---	---	2427.450000	2446.450000	PASS

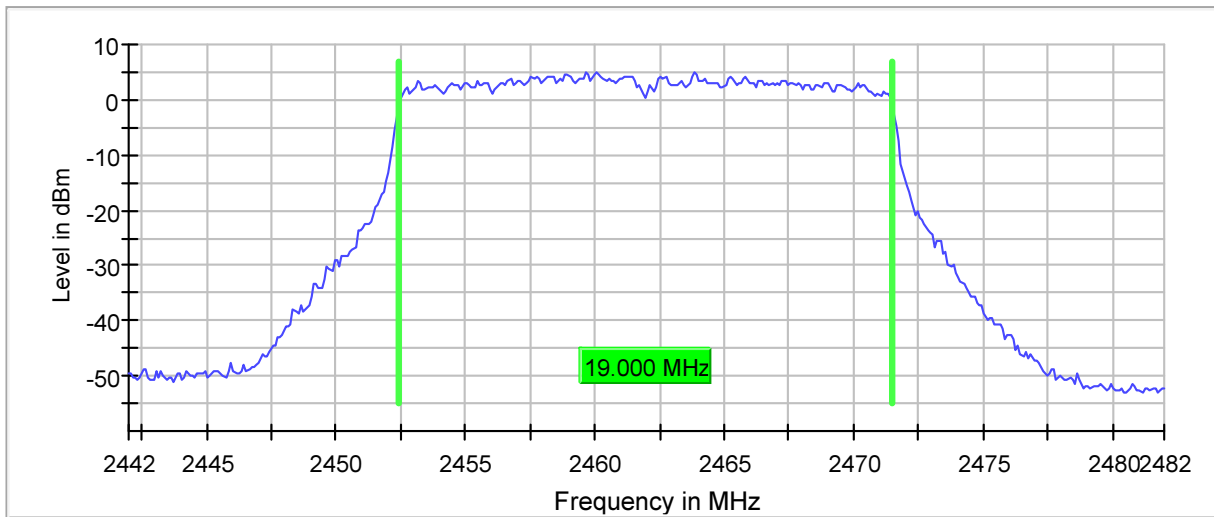
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2462MHz
Result	OBW = 19MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2462.000000	19.000000	---	---	2452.450000	2471.450000	PASS

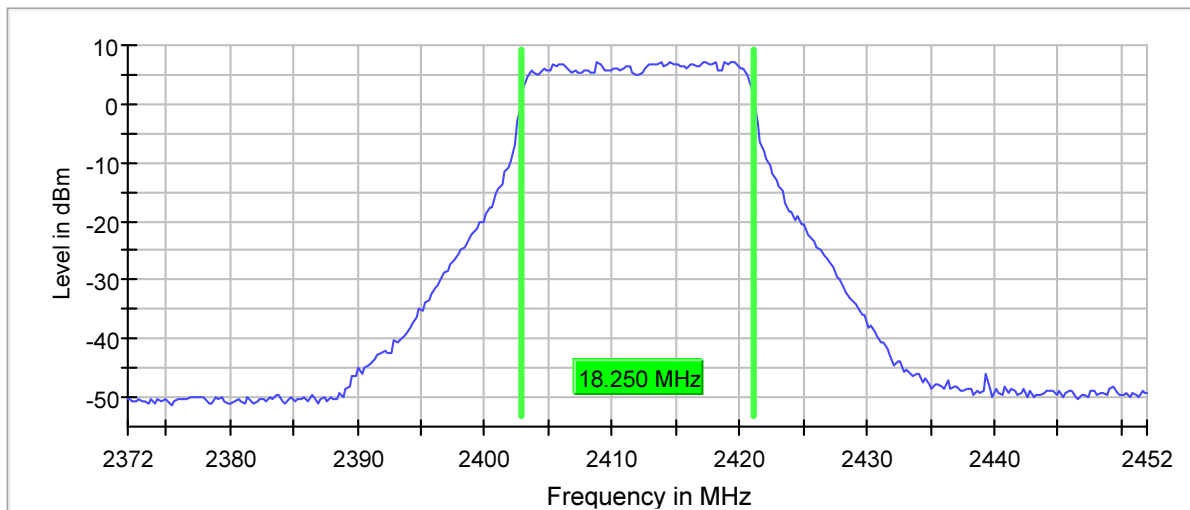
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS11
Frequency Tested	2412MHz
Result	OBW = 18.25MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2412.000000	18.250000	---	---	2402.875000	2421.125000	PASS

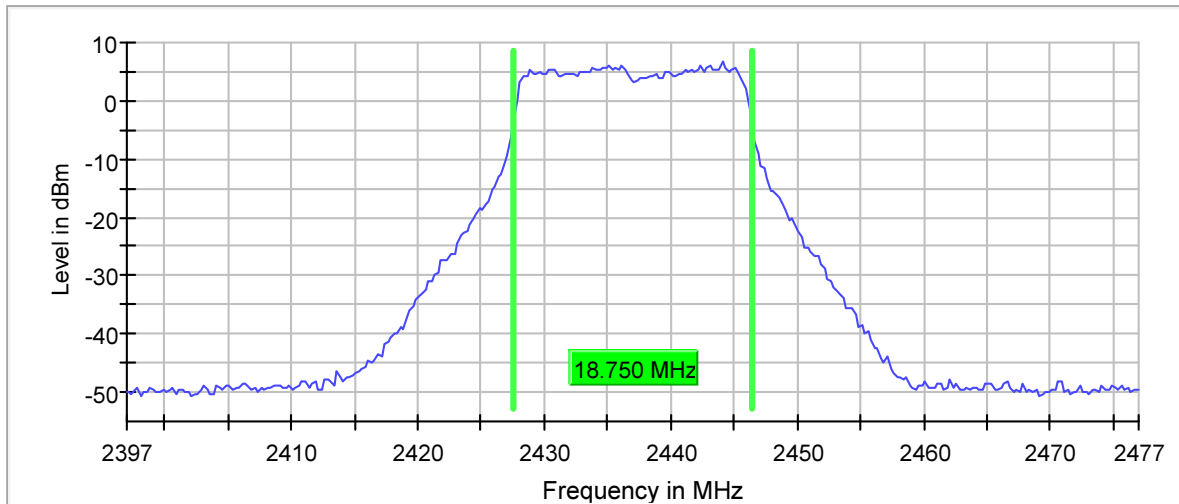
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS11
Frequency Tested	2437MHz
Result	OBW = 18.75MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2437.000000	18.750000	---	---	2427.625000	2446.375000	PASS

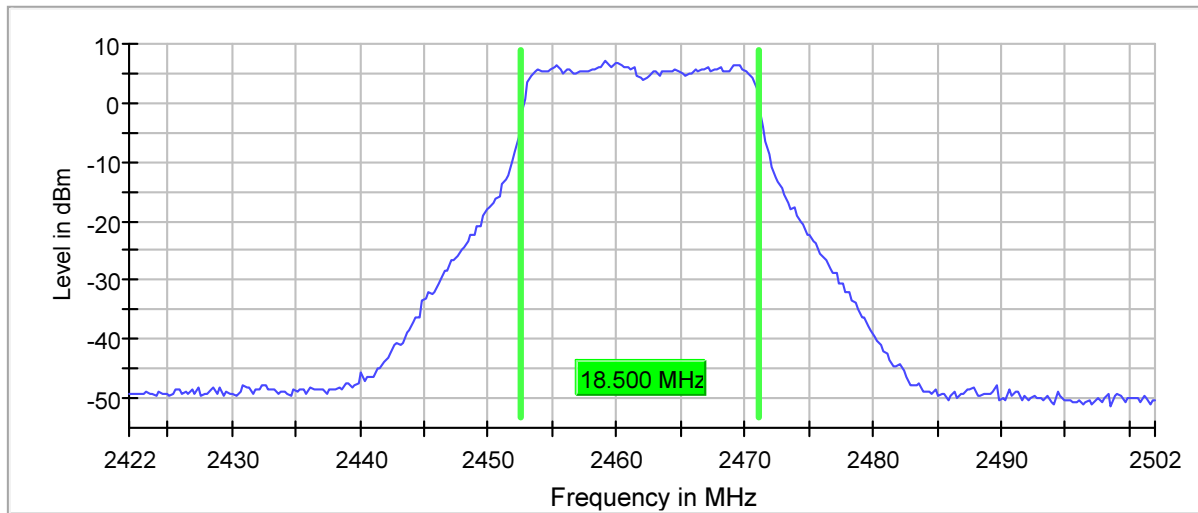
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS11
Frequency Tested	2462MHz
Result	OBW = 18.5MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2462.000000	18.500000	---	---	2452.625000	2471.125000	PASS

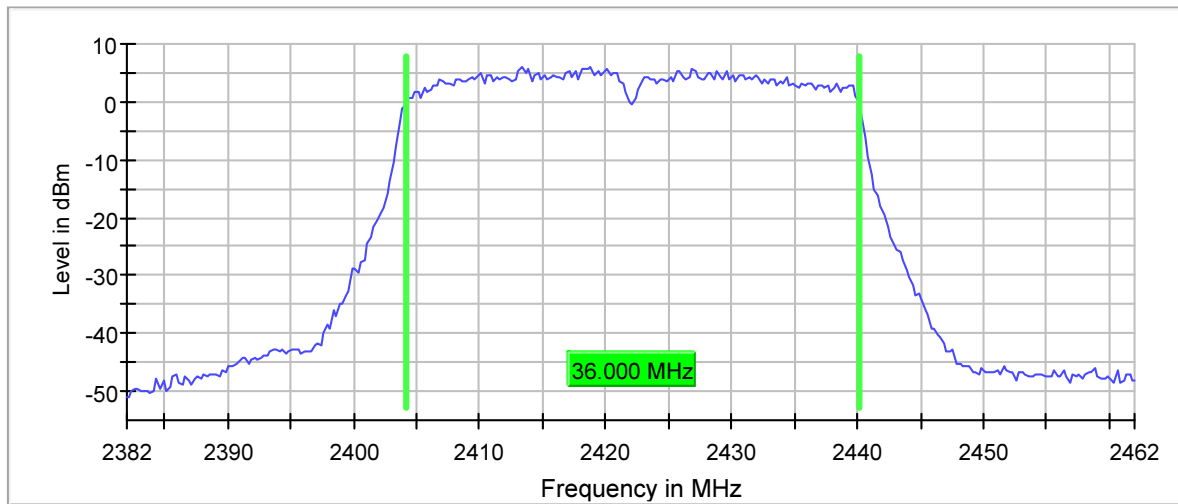
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2422MHz
Result	OBW = 36MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2462.000000	18.500000	---	---	2452.625000	2471.125000	PASS

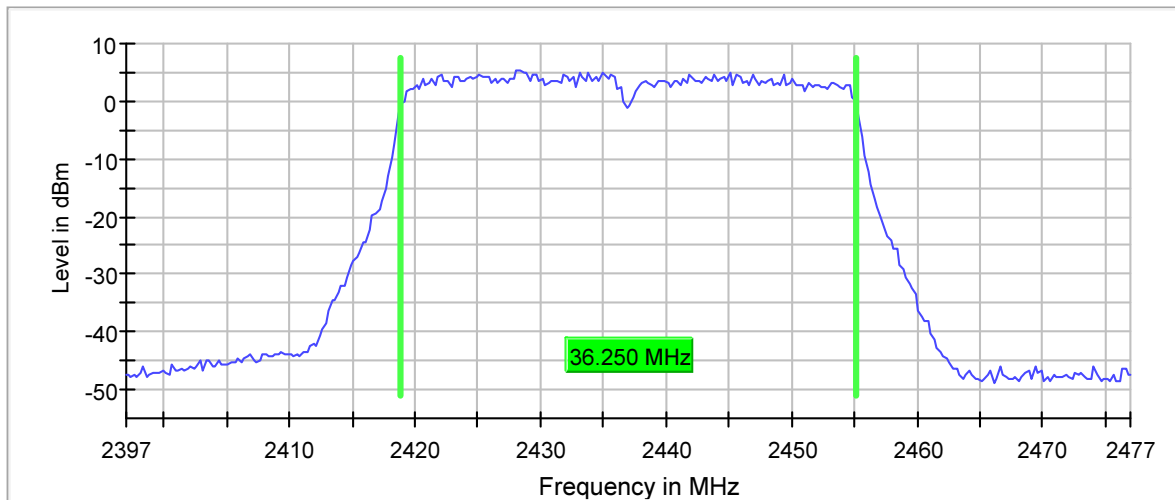
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2437MHz
Result	OBW = 36.25MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2437.000000	36.250000	---	---	2418.875000	2455.125000	PASS

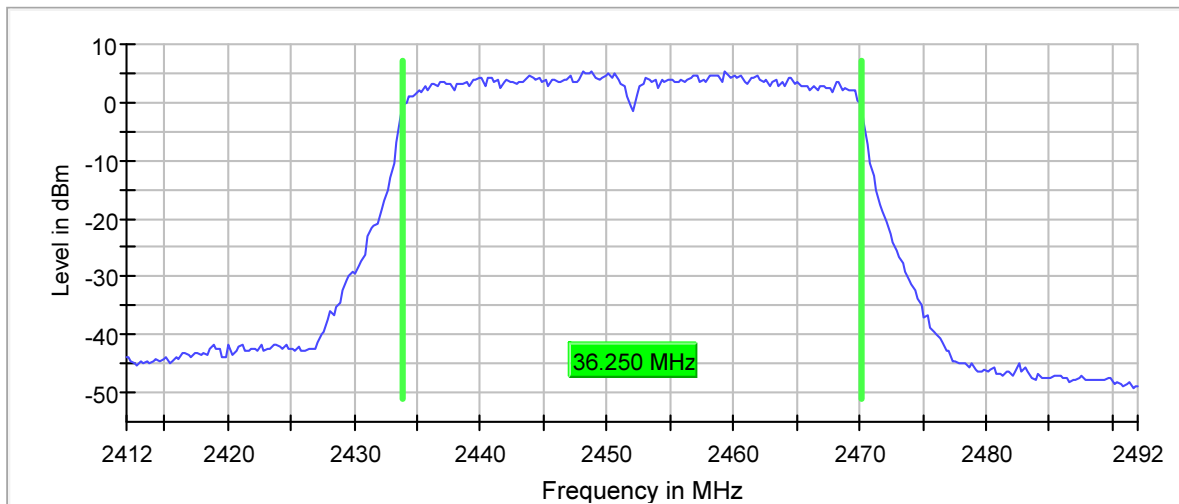
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2462MHz
Result	OBW = 36.25MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2452.000000	36.250000	---	---	2433.875000	2470.125000	PASS

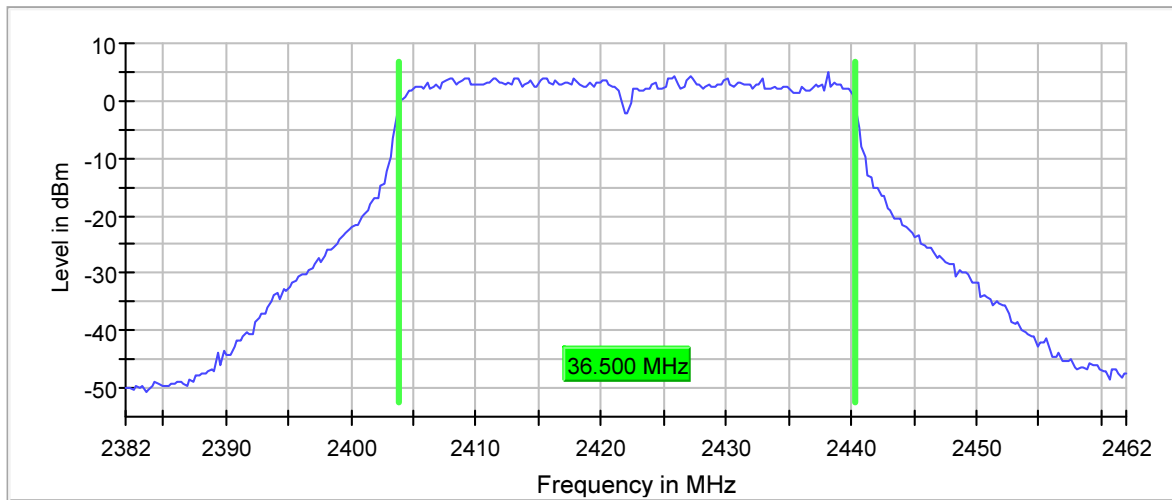
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2422MHz
Result	OBW = 36.5MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2422.000000	36.500000	---	---	2403.875000	2440.375000	PASS

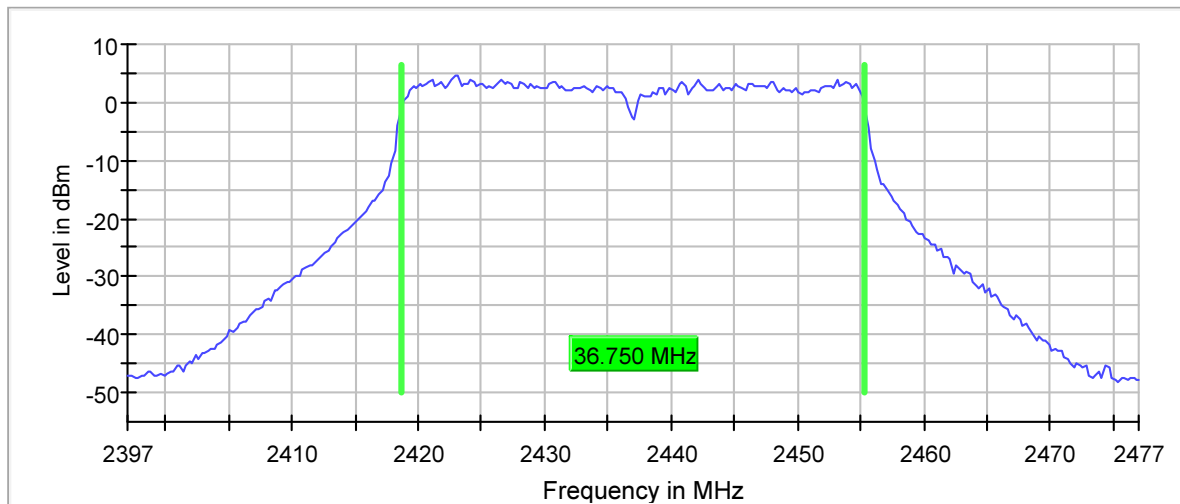
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2437MHz
Result	OBW = 36.75MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2437.000000	36.750000	---	---	2418.625000	2455.375000	PASS

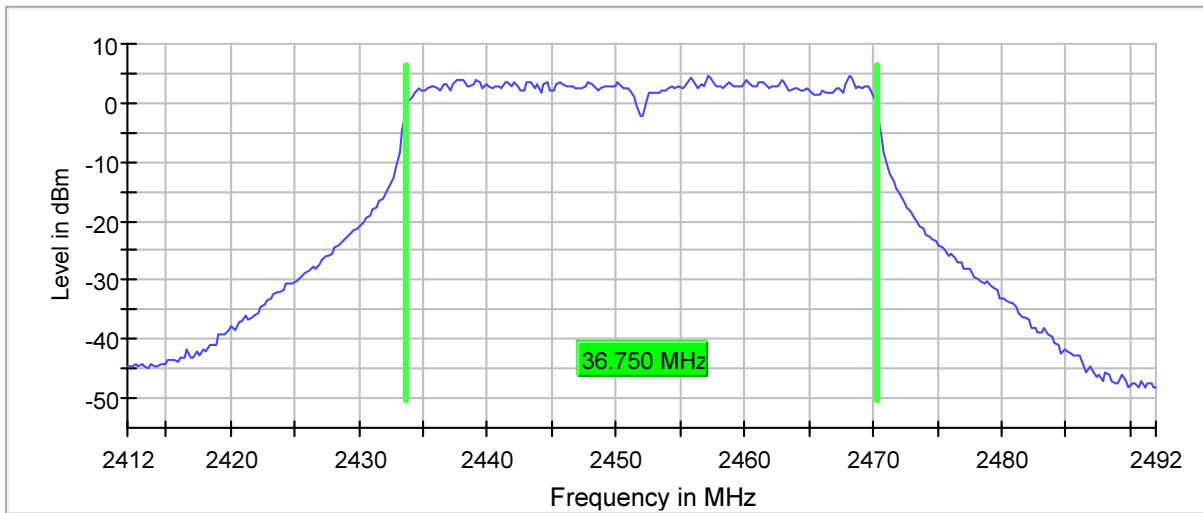
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2452MHz
Result	OBW = 36.75MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2452.000000	36.750000	---	---	2433.625000	2470.375000	PASS

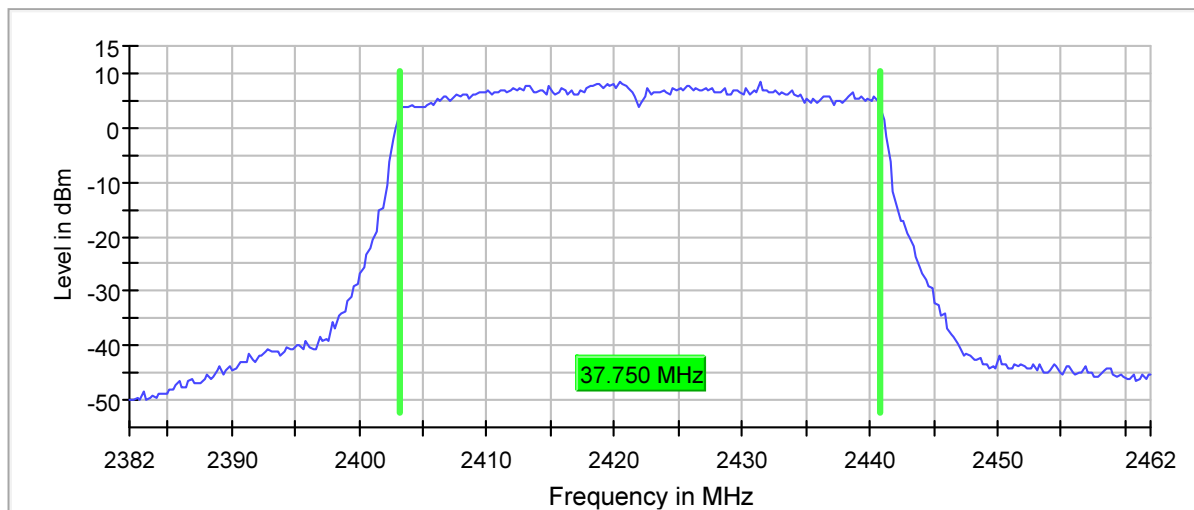
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2422MHz
Result	OBW = 37.75MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2422.000000	37.750000	---	---	2403.125000	2440.875000	PASS

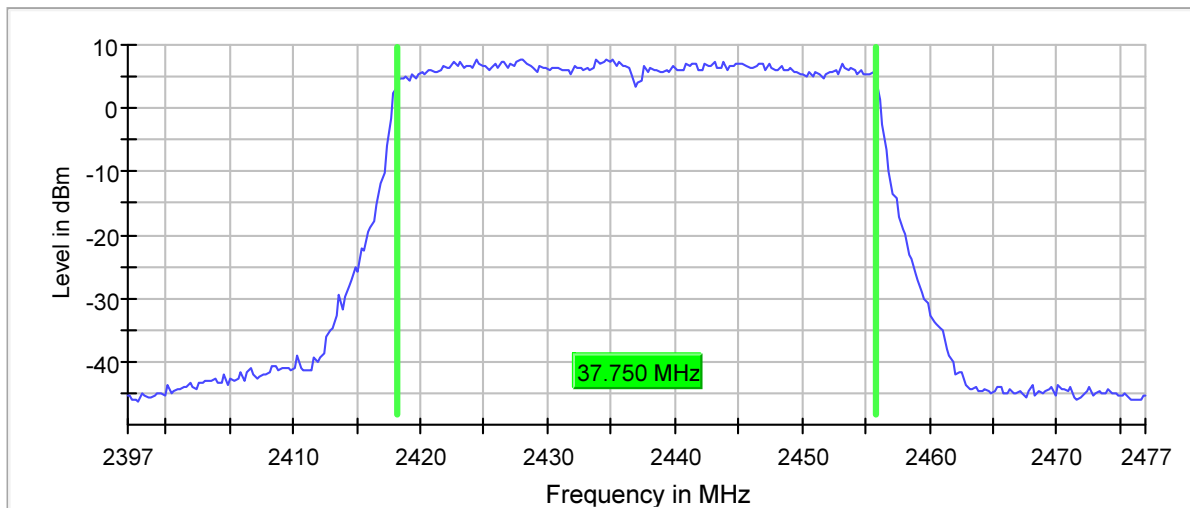
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2437MHz
Result	OBW = 37.75MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2437.000000	37.750000	---	---	2418.125000	2455.875000	PASS

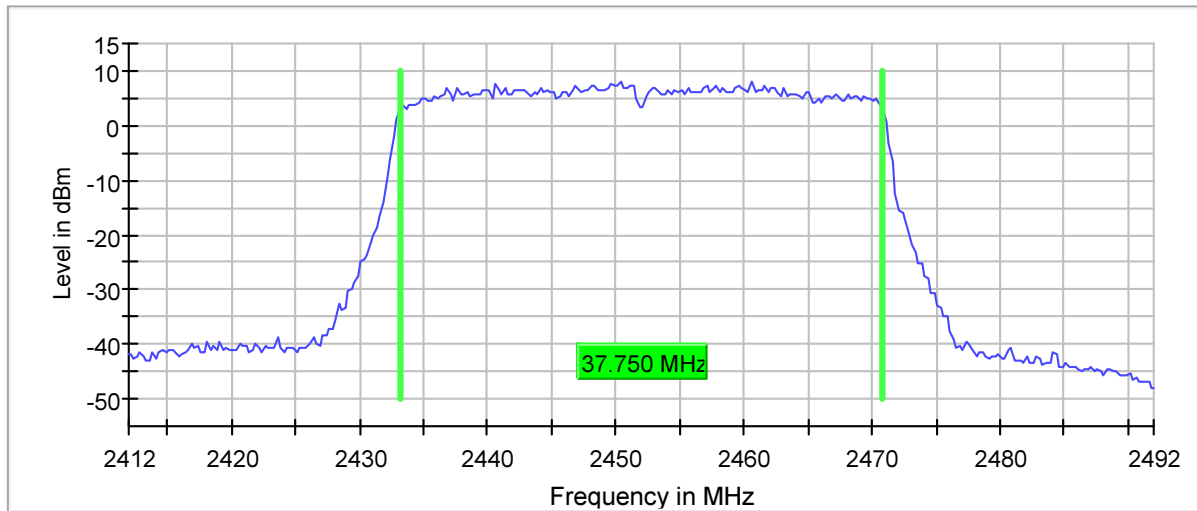
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2452MHz
Result	OBW = 37.75MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2452.000000	37.750000	---	---	2433.125000	2470.875000	PASS

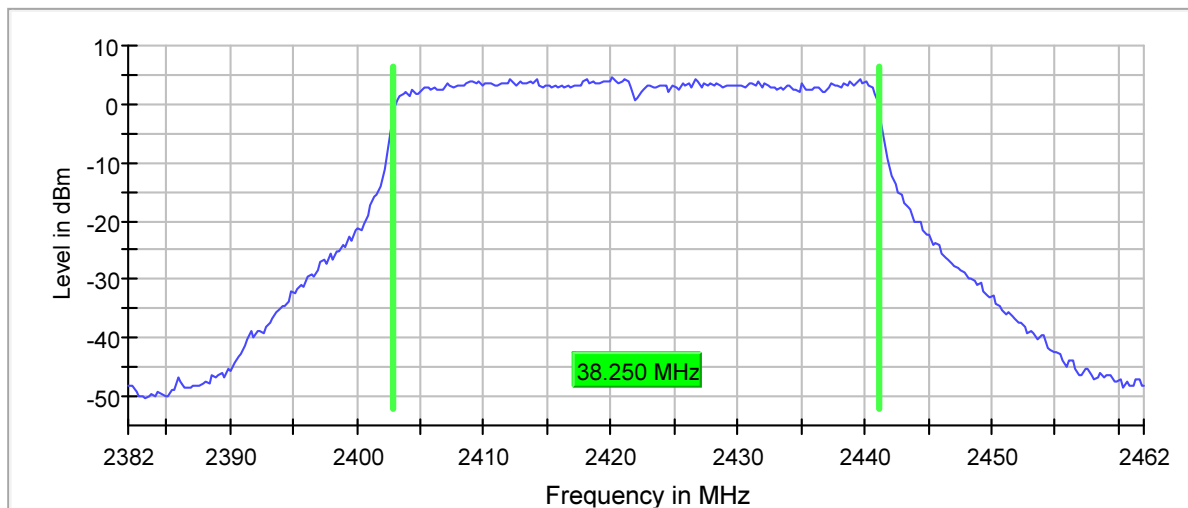
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS11
Frequency Tested	2422MHz
Result	OBW = 38.25MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2422.000000	38.250000	---	---	2402.875000	2441.125000	PASS

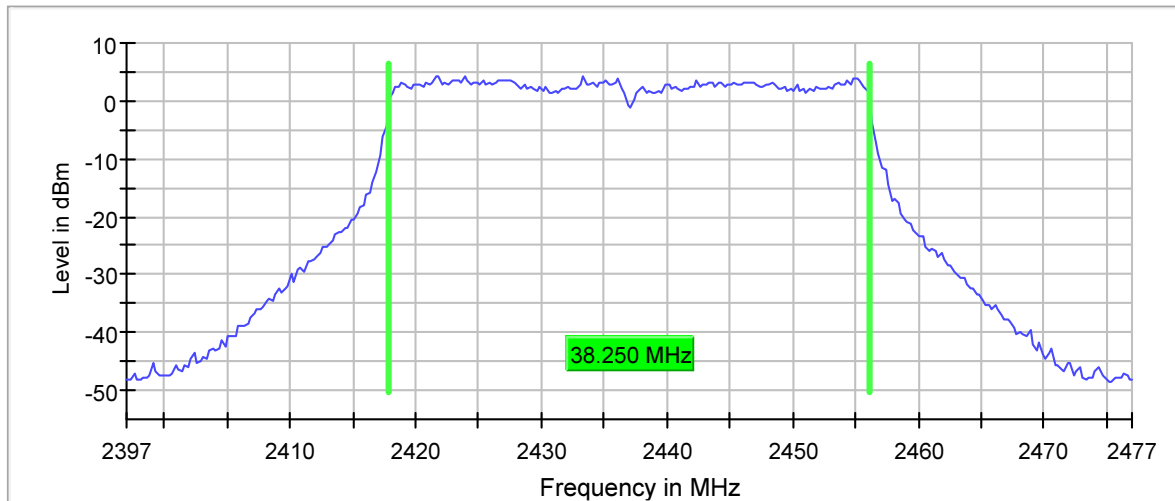
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS11
Frequency Tested	2437MHz
Result	OBW = 38.25MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2437.000000	38.250000	---	---	2417.875000	2456.125000	PASS

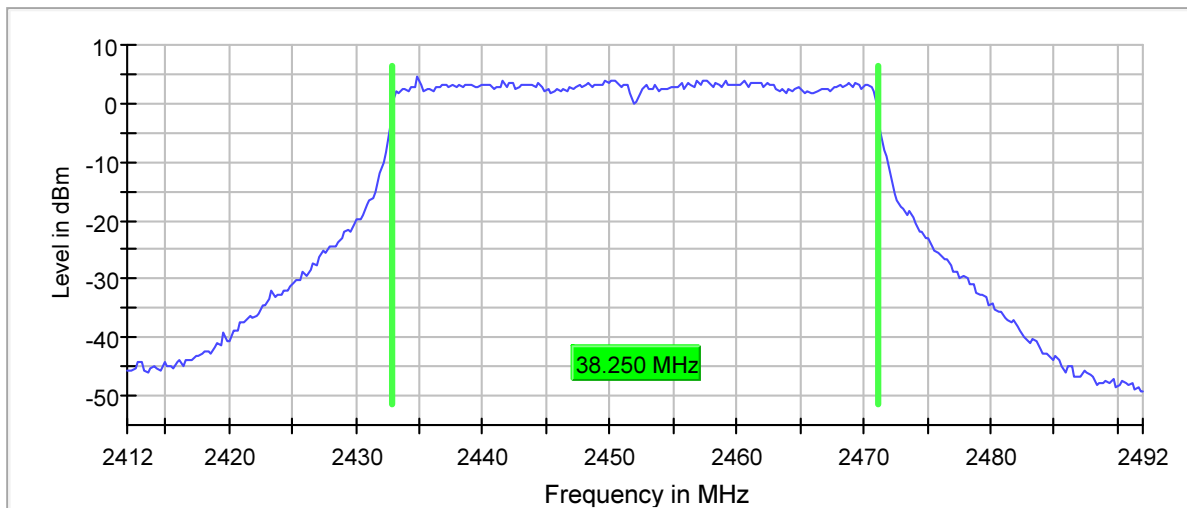
99 % Bandwidth



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS11
Frequency Tested	2452MHz
Result	OBW = 38.25MHz
Notes	None

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2452.000000	38.250000	---	---	2432.875000	2471.125000	PASS

99 % Bandwidth



23. Maximum Peak Conducted Output Power

EUT Information	
Manufacturer	Righthand Technologies Inc
Product	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx

Test Setup Details	
Setup Format	Tabletop
Height of Support	N/A
Measurement Method	Antenna Conducted
Type of Test Site	Workbench
Test Site Used	N/A
Notes	None

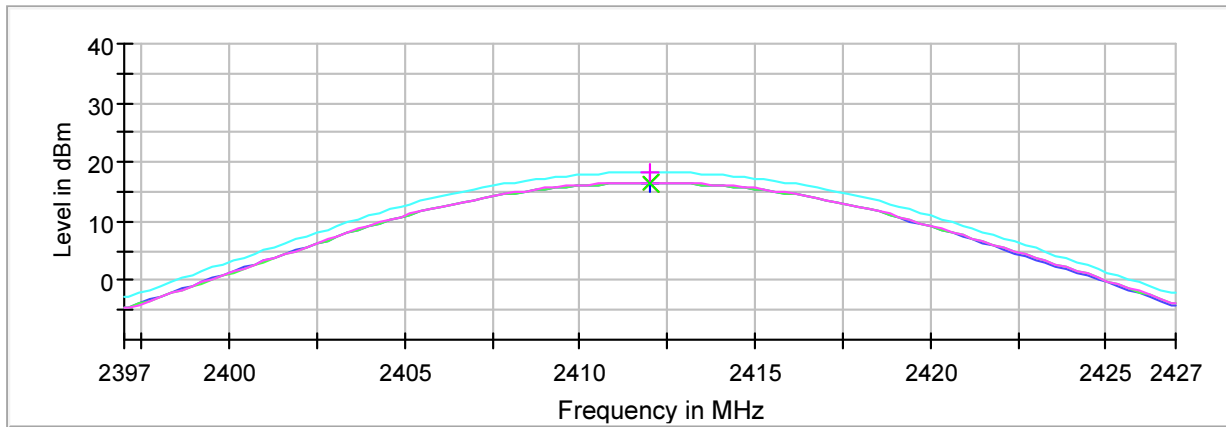
Requirement
Per FCC 15.247, Section (b)(3) and ISSED RSS-247, Section 5.4(d), for systems using digital modulation, the maximum peak conducted output power shall not exceed 1 watt.

Procedure
Antenna Port 1 of the EUT was connected to the DUT 1 port of the Rohde & Schwarz OSP 120/OSP-B157 system via a coaxial cable and RF attenuator. Each antenna port of the EUT was connected to a separate port (DUT 2, DUT 3, and DUT 4) via separate coaxial cables and RF attenuators. a) The following settings were employed on the EMI Test Receiver: 1. Center Frequency = Transmit Frequency of the EUT 2. RBW = $\geq$ DTS Bandwidth 3. VBW = $\geq 3 \times$ RBW 4. Span = $\geq 3 \times$ RBW 5. Sweep Time = Auto couple 6. Detector Mode = Max Peak 7. Trace Mode = Max Hold b) Allow the trace to stabilize. c) Use the peak marker function to determine the peak amplitude level.

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2412MHz
Result	Output Power = 200mW (23dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2412.000000	23.0	30.0	PASS

Peak Power

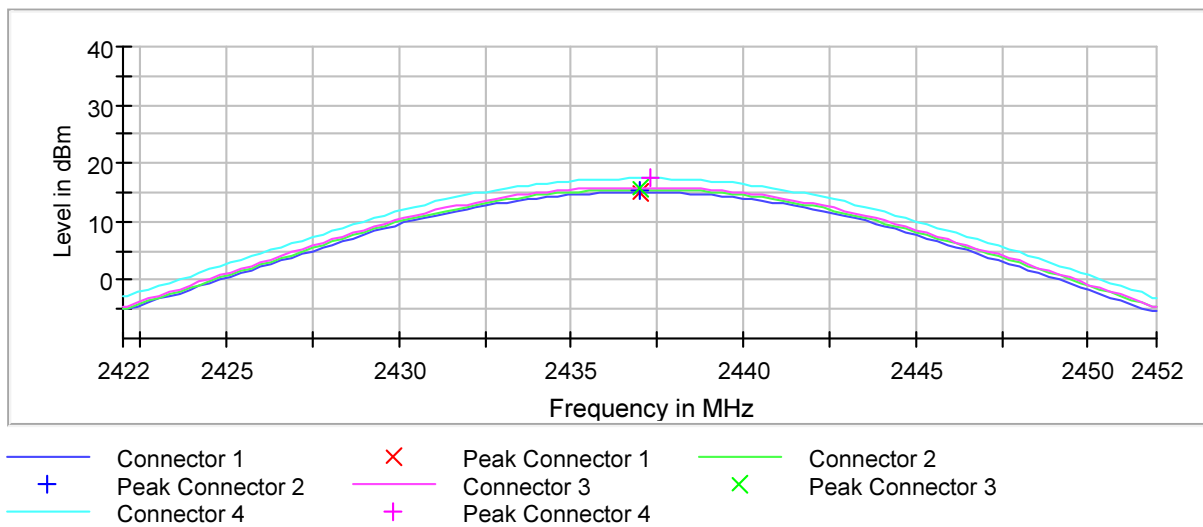


Connector 1
 + Peak Connector 2
 Connector 4
 Peak Connector 1
 Connector 3
 Peak Connector 4
 Connector 2
 Peak Connector 3

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2437MHz
Result	Output Power = 162.2mW (22.1dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2437.000000	22.1	30.0	PASS

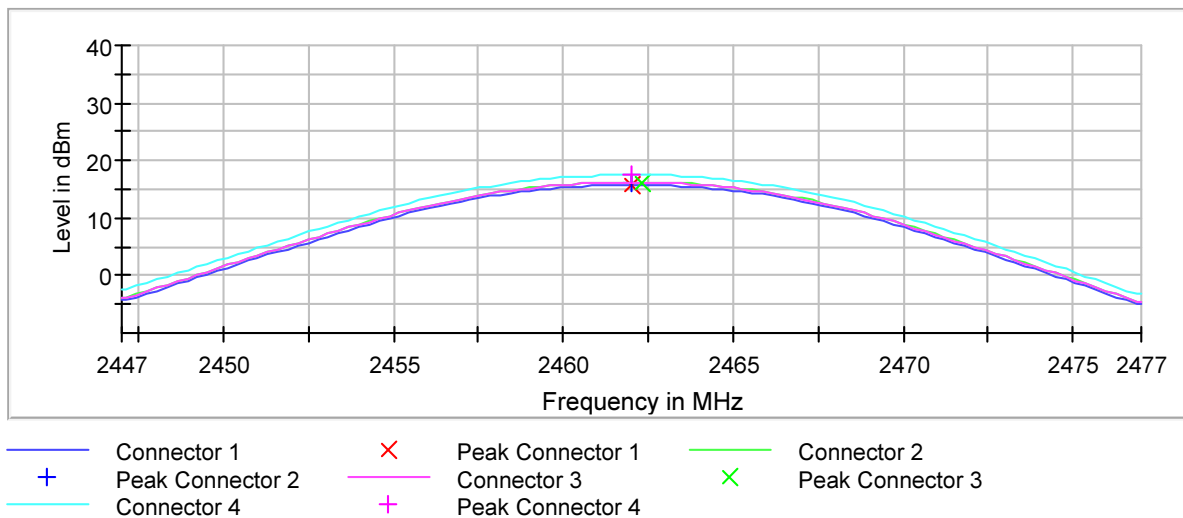
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2462MHz
Result	Output Power = 177.8mW (22.5dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2462.000000	22.5	30.0	PASS

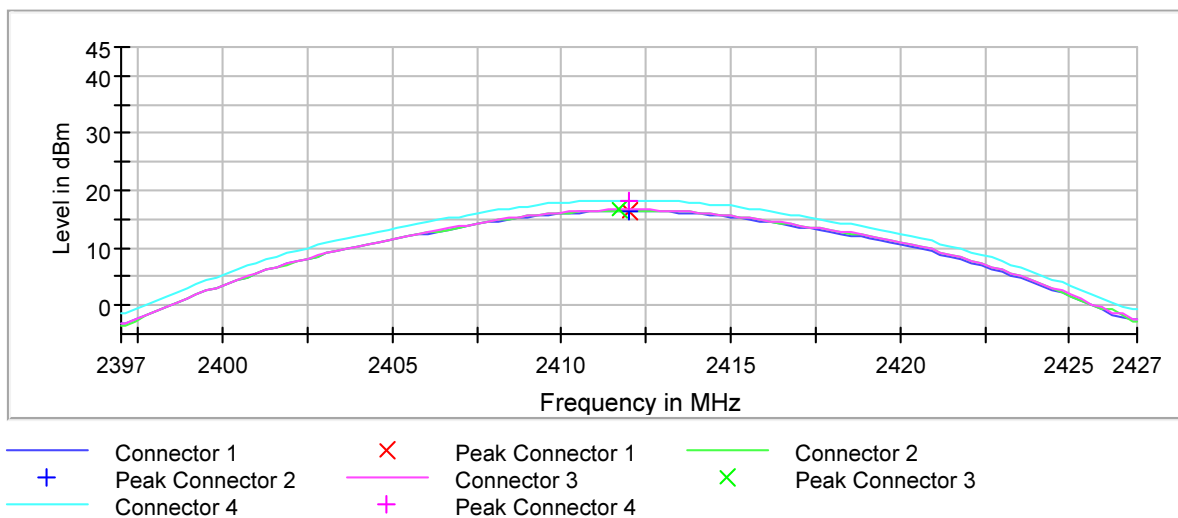
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 11Mbps
Frequency Tested	2412MHz
Result	Output Power = 200mW (23dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2412.000000	23.0	30.0	PASS

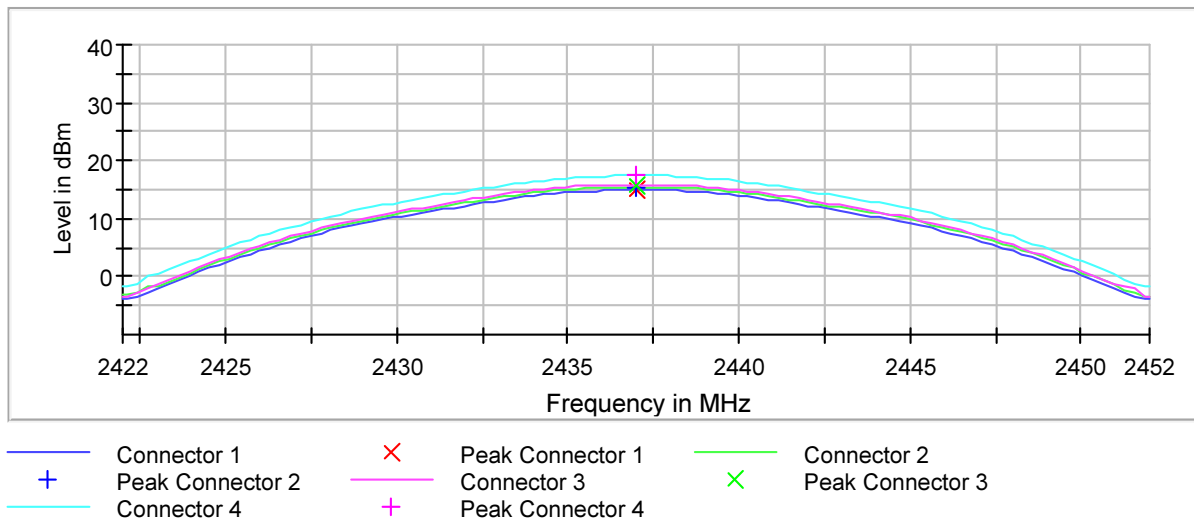
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 11Mbps
Frequency Tested	2437MHz
Result	Output Power = 162.2mW (22.1dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2437.000000	22.1	30.0	PASS

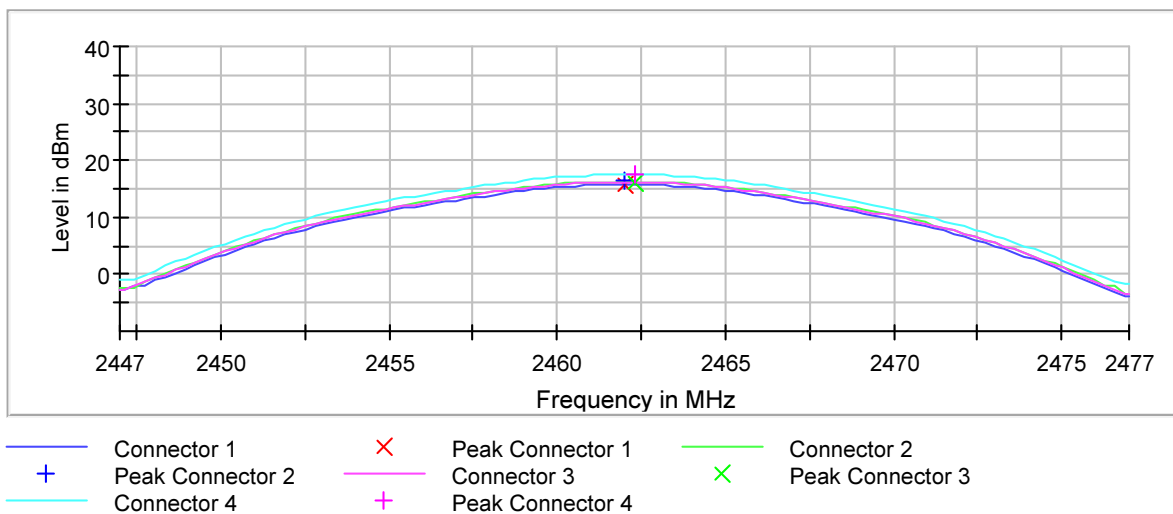
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 11Mbps
Frequency Tested	2462MHz
Result	Output Power = 177.8mW (22.5dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2462.000000	22.5	30.0	PASS

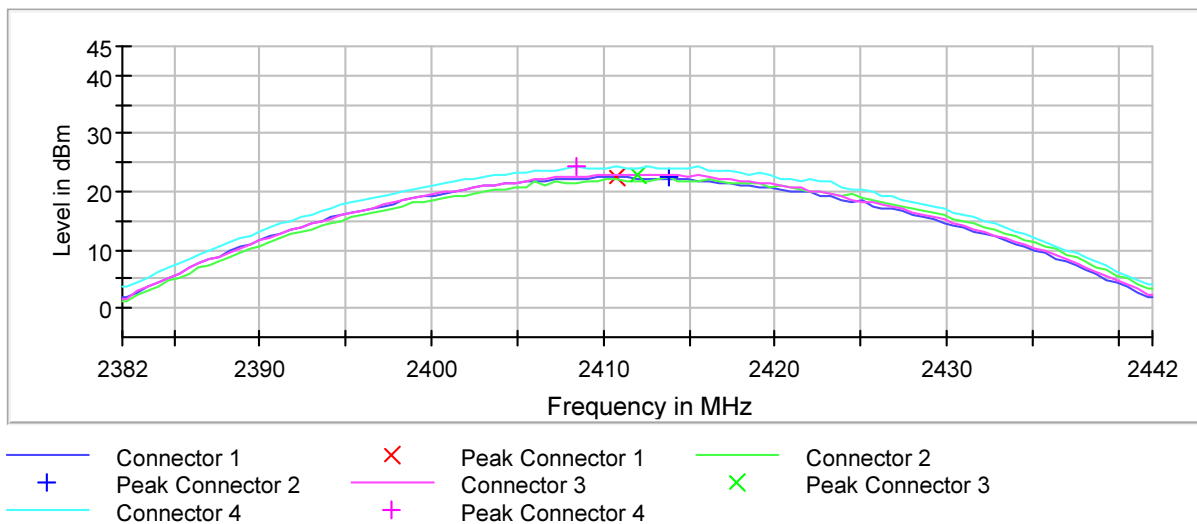
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2412MHz
Result	Output Power = 831.8mW (29.2dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2412.000000	29.2	30.0	PASS

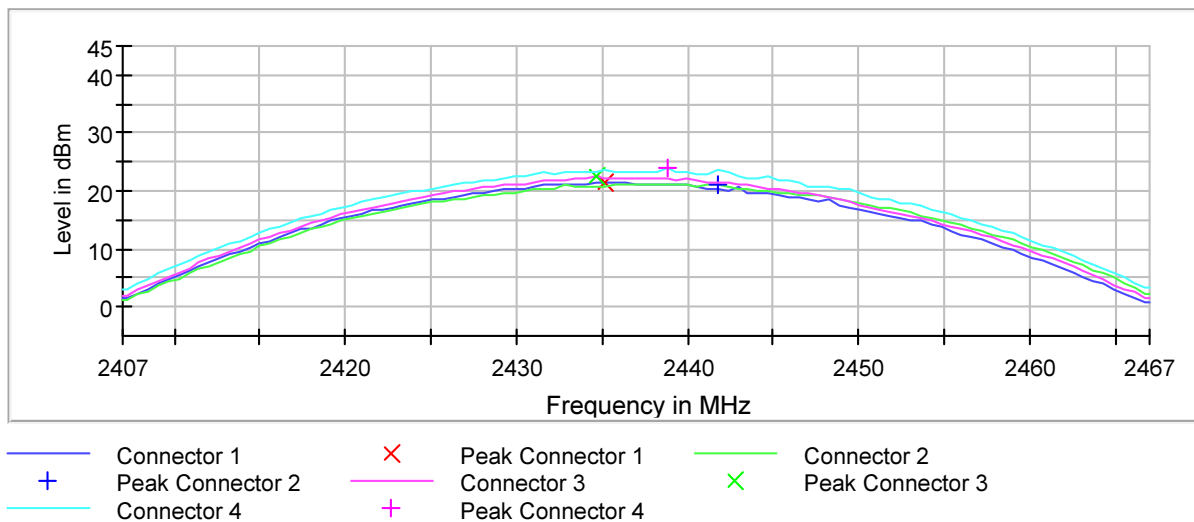
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2437MHz
Result	Output Power = 691.8mW (28.4dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2437.000000	28.4	30.0	PASS

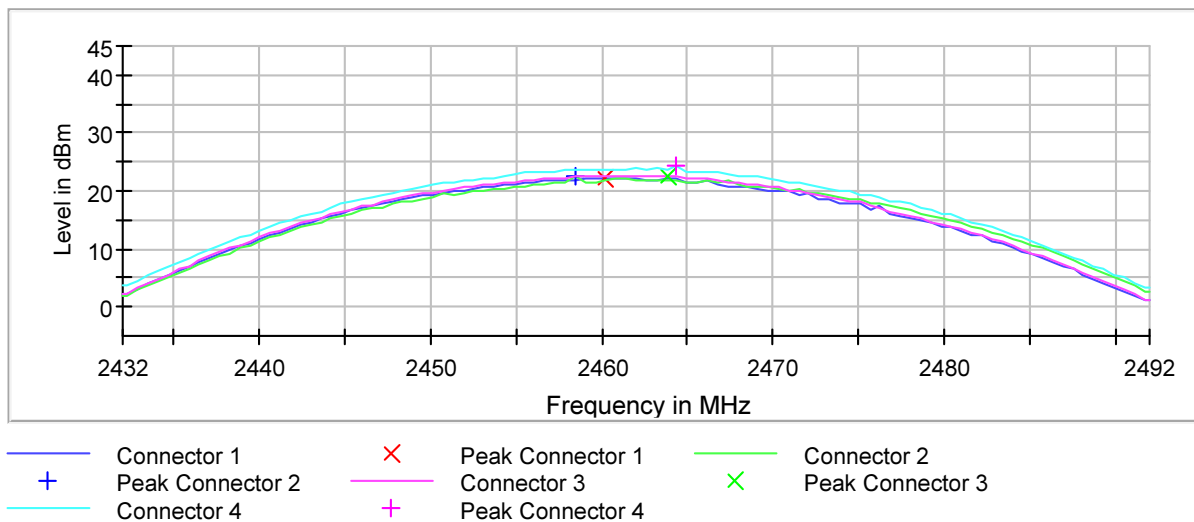
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2462MHz
Result	Output Power = 776.2mW (28.9dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2462.000000	28.9	30.0	PASS

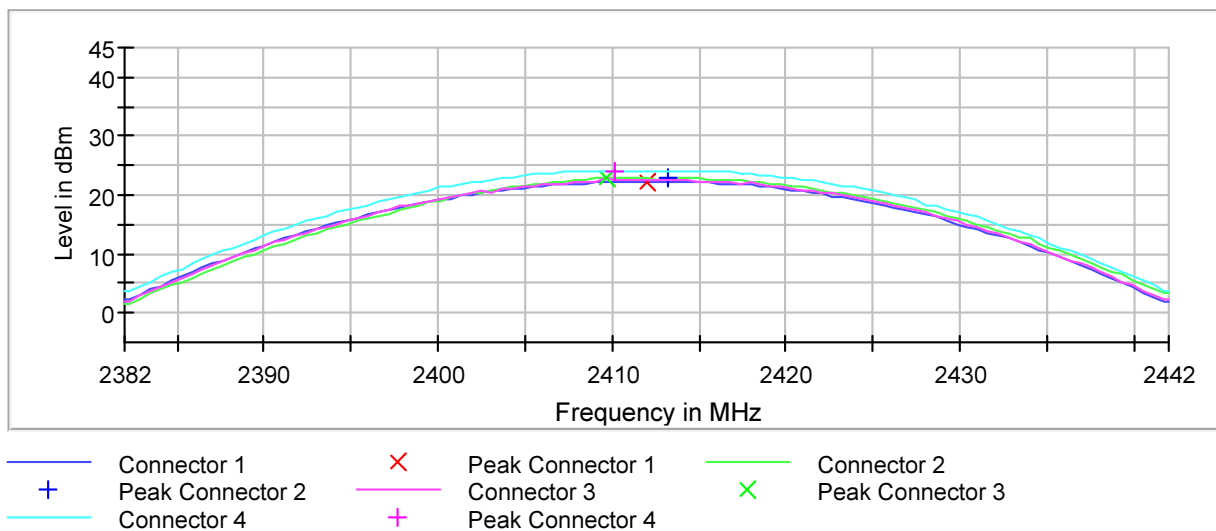
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 54Mbps
Frequency Tested	2412MHz
Result	Output Power = 831.8mW (29.2dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2412.000000	29.2	30.0	PASS

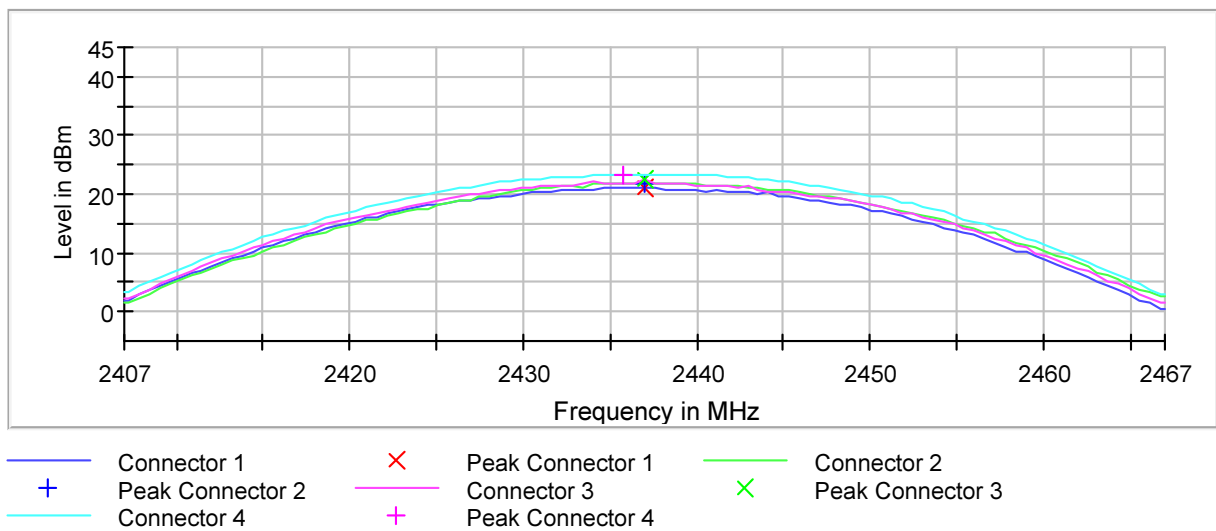
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 54Mbps
Frequency Tested	2437MHz
Result	Output Power = 676.1mW (28.3dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2437.000000	28.3	30.0	PASS

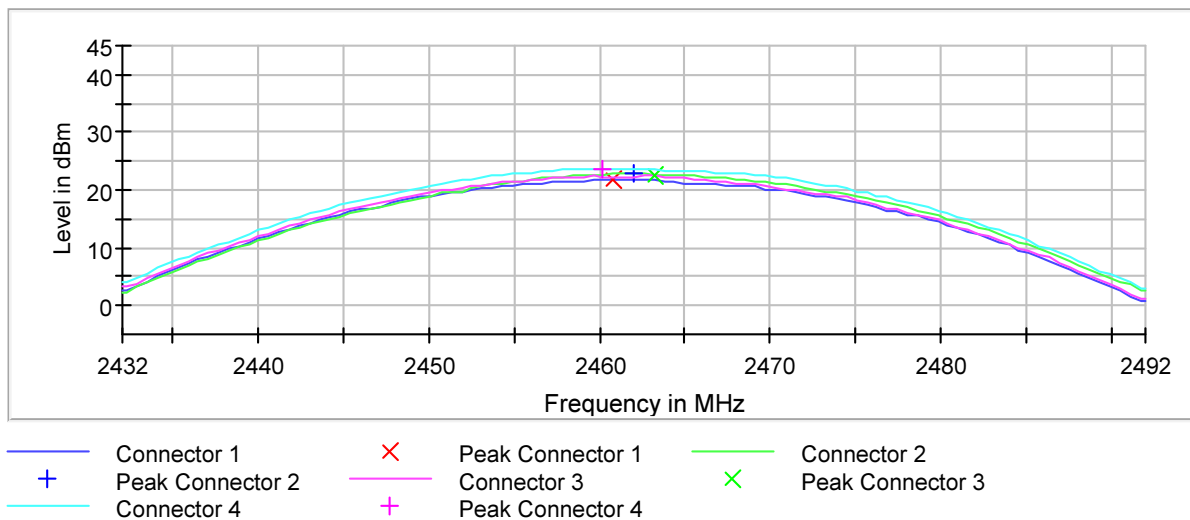
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 54Mbps
Frequency Tested	2462MHz
Result	Output Power = 758.6mW (28.8dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2462.000000	28.8	30.0	PASS

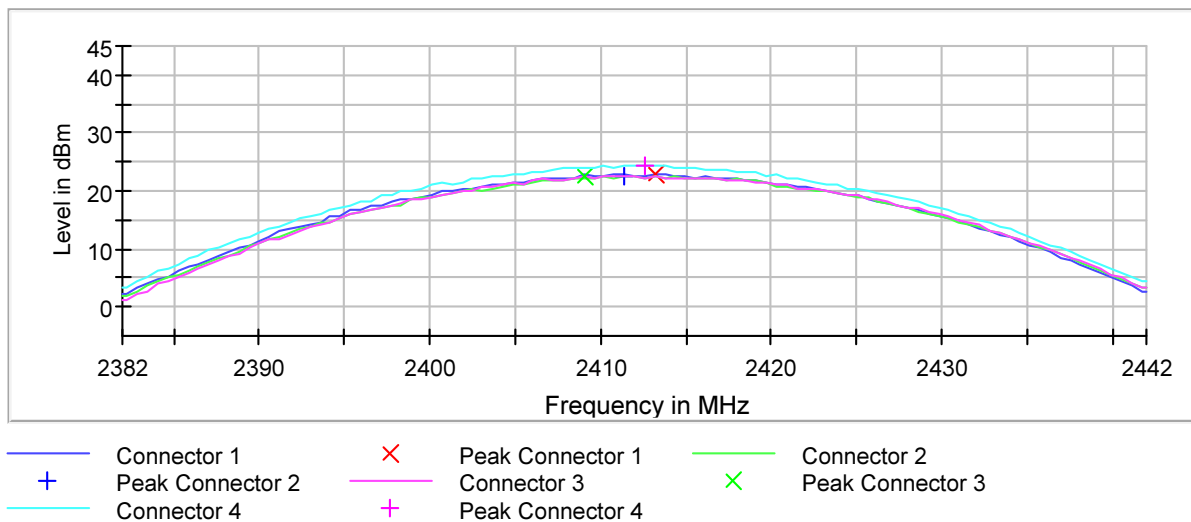
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2412MHz
Result	Output Power = 851.2mW (29.3dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2412.000000	29.3	30.0	PASS

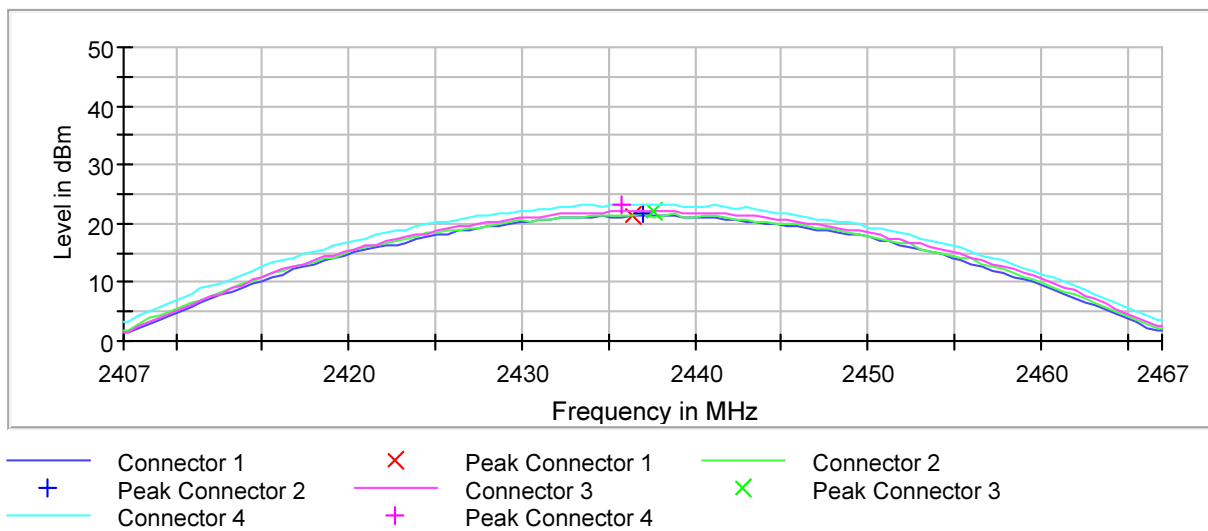
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2437MHz
Result	Output Power = 660.7mW (28.2dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2437.000000	28.2	30.0	PASS

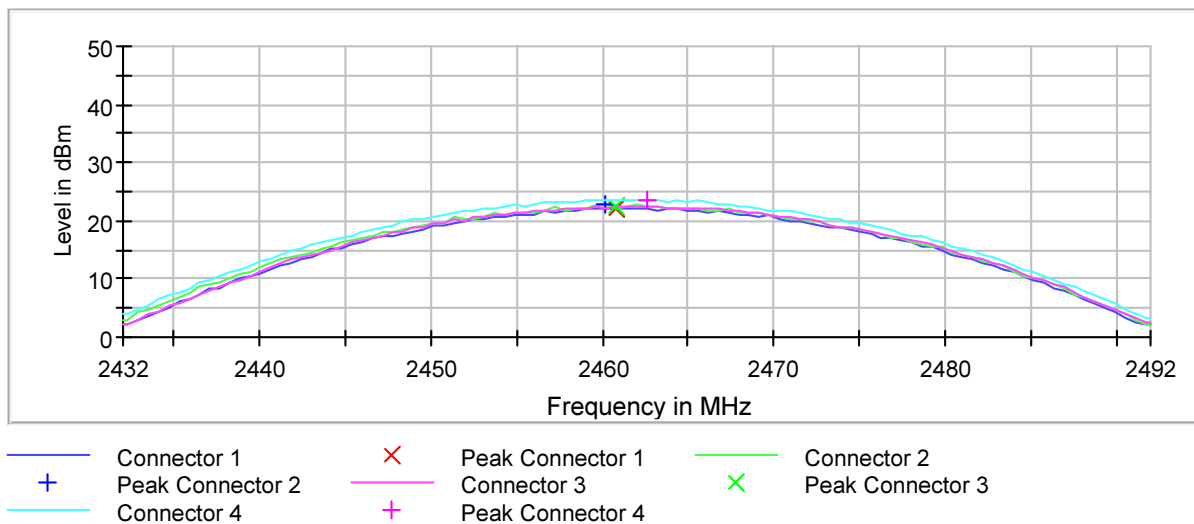
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2462MHz
Result	Output Power = 776.2mW (28.9dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2462.000000	28.9	30.0	PASS

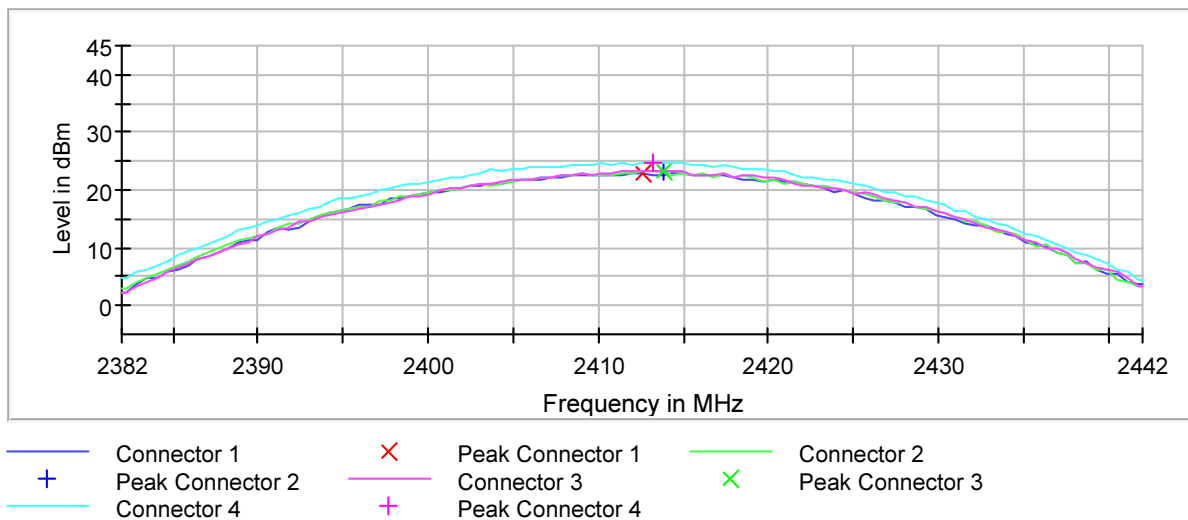
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS7
Frequency Tested	2412MHz
Result	Output Power = 912.1mW (29.6dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2412.000000	29.6	30.0	PASS

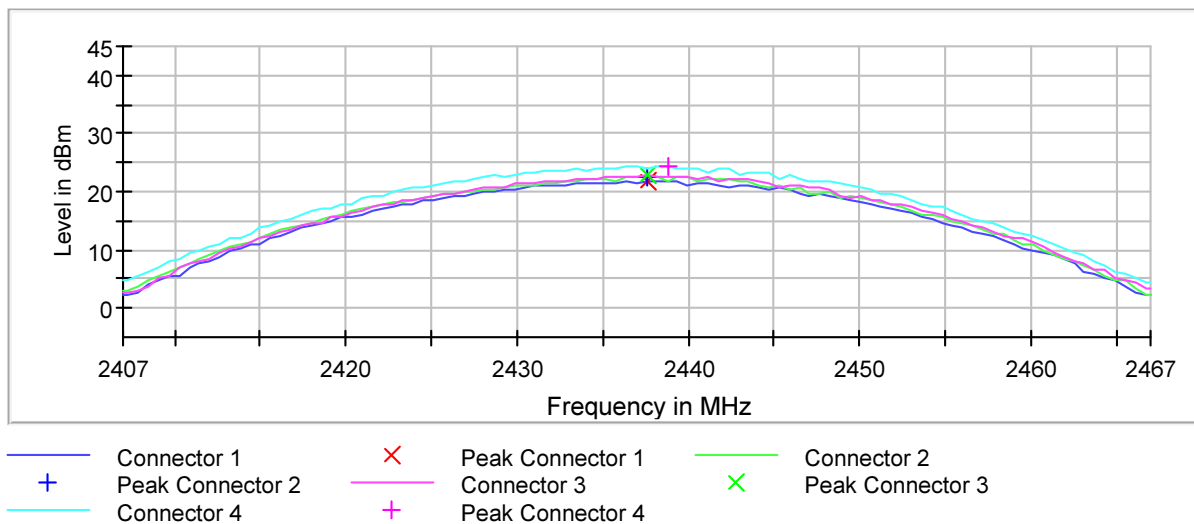
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS7
Frequency Tested	2437MHz
Result	Output Power = 776.3mW (28.9dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2437.000000	28.9	30.0	PASS

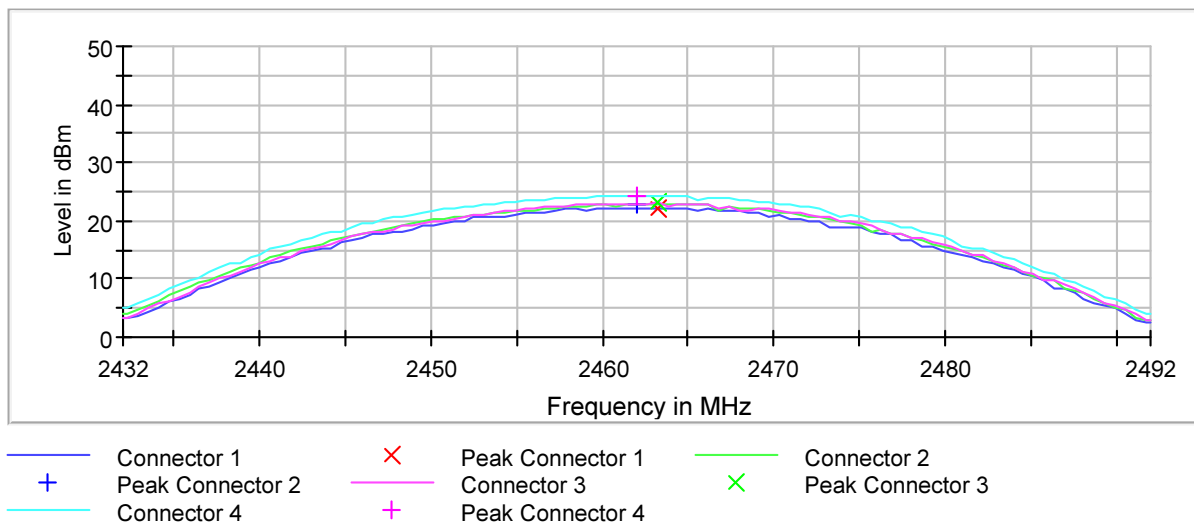
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS7
Frequency Tested	2462MHz
Result	Output Power = 831.8mW (dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2462.000000	29.2	30.0	PASS

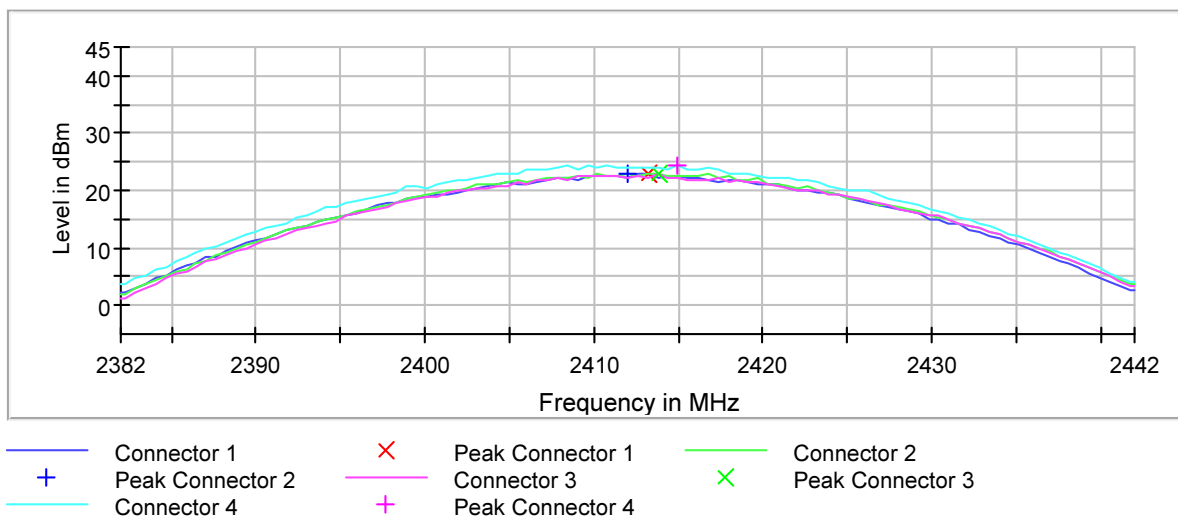
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2412MHz
Result	Output Power = 871mW (29.4dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2412.000000	29.4	30.0	PASS

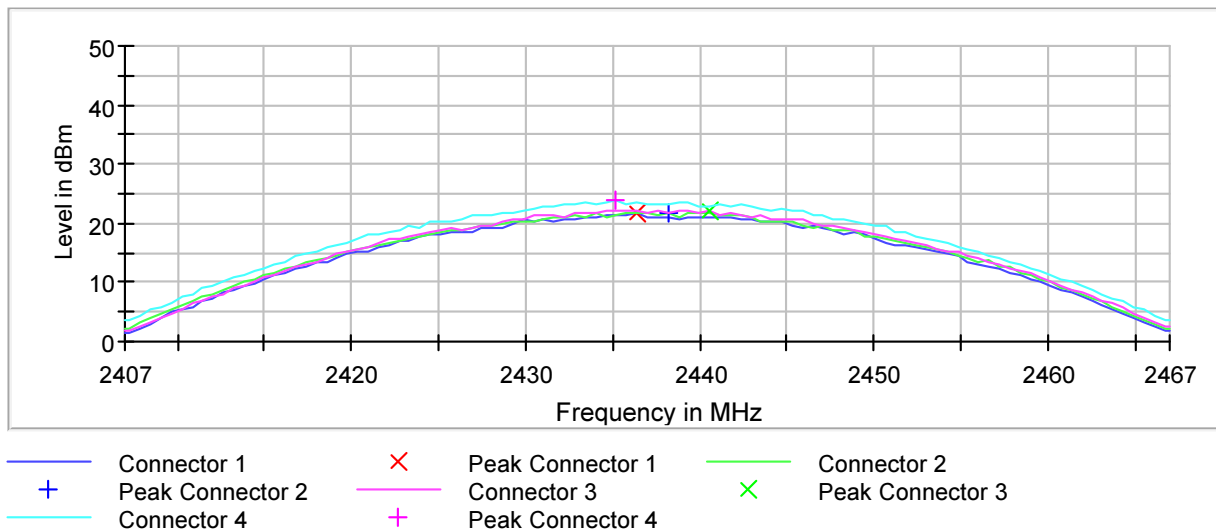
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2437MHz
Result	Output Power = 708mW (28.5dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2437.000000	28.5	30.0	PASS

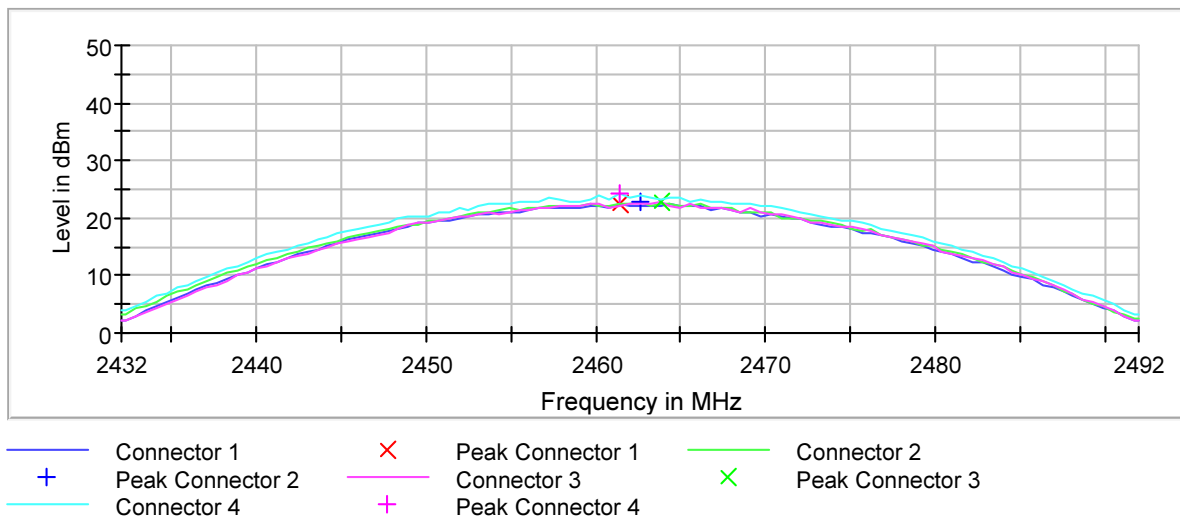
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2462MHz
Result	Output Power = 812.9mW (29.1dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2462.000000	29.1	30.0	PASS

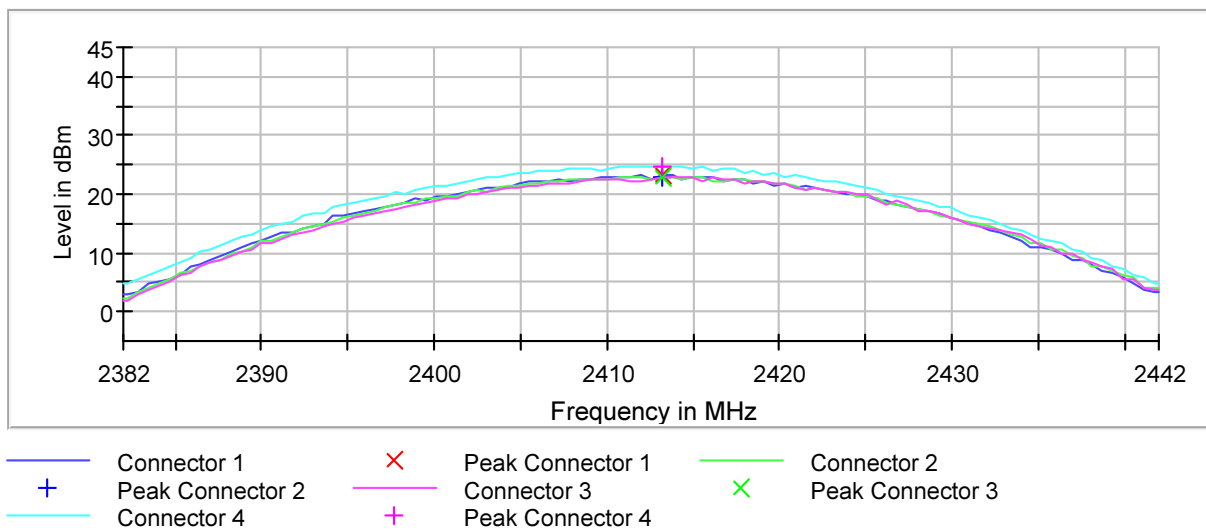
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS11
Frequency Tested	2412MHz
Result	Output Power = 891.3mW (29.5dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2412.000000	29.5	30.0	PASS

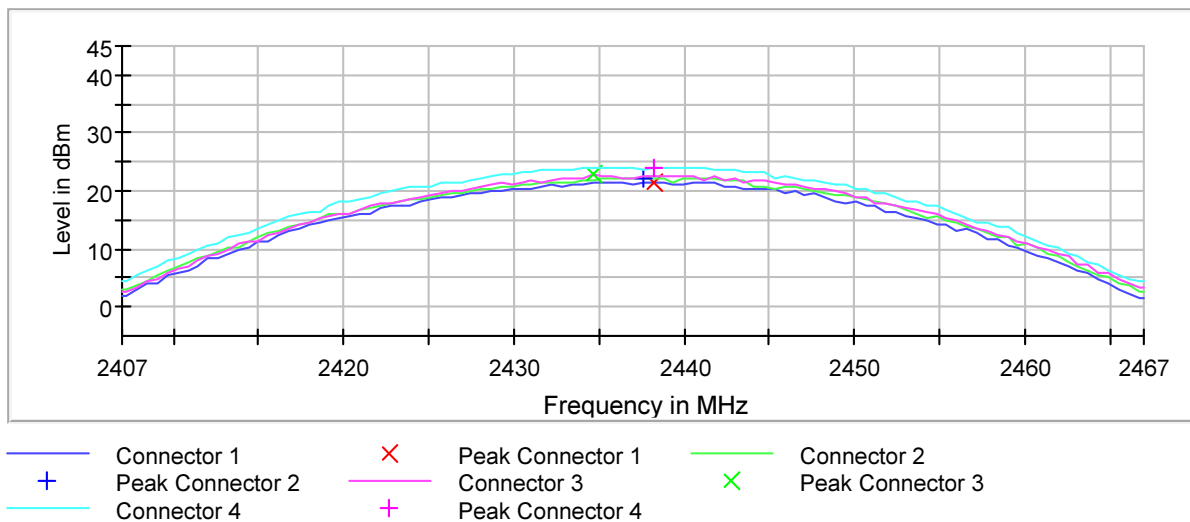
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS11
Frequency Tested	2437MHz
Result	Output Power = 758.6mW (28.8dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2437.000000	28.8	30.0	PASS

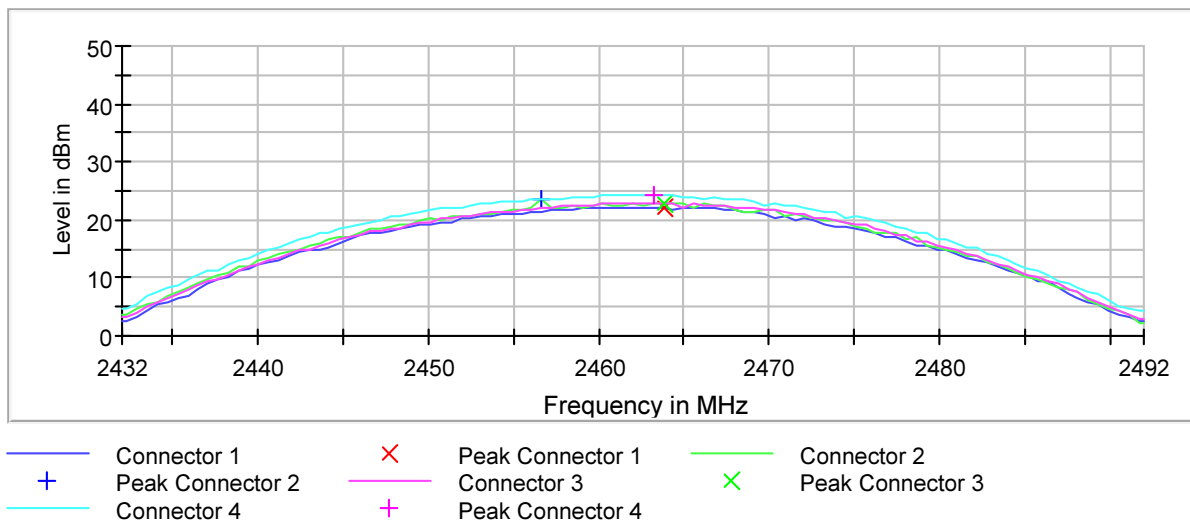
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS11
Frequency Tested	2462MHz
Result	Output Power = 851.2mW (29.3dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2462.000000	29.3	30.0	PASS

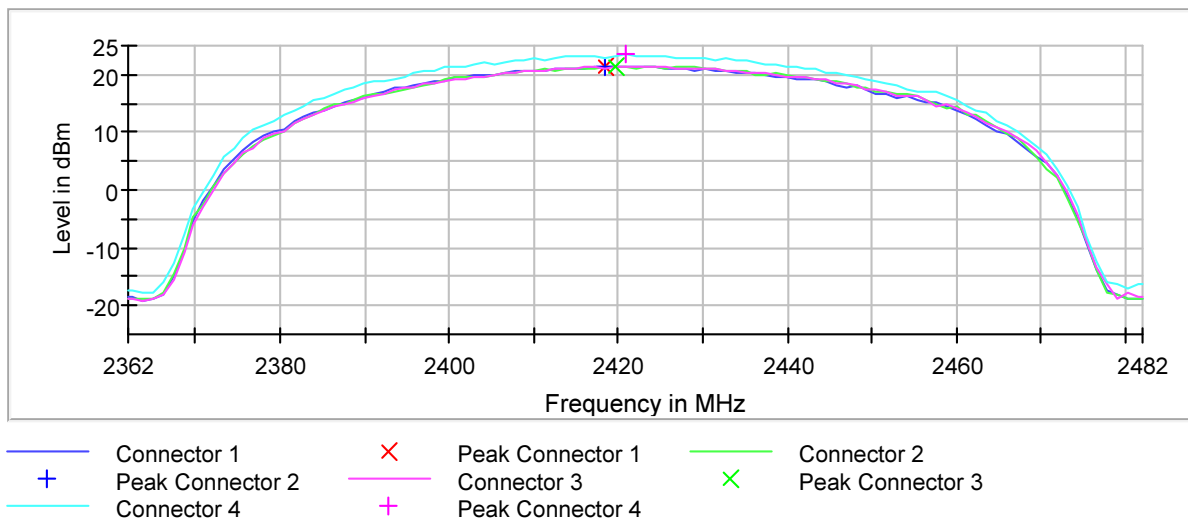
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2422MHz
Result	Output Power = 631mW (28dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2422.000000	28.0	30.0	PASS

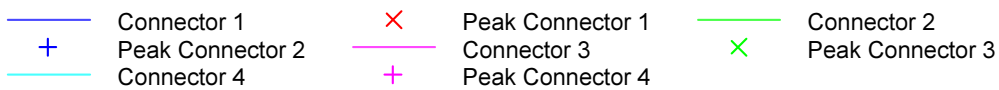
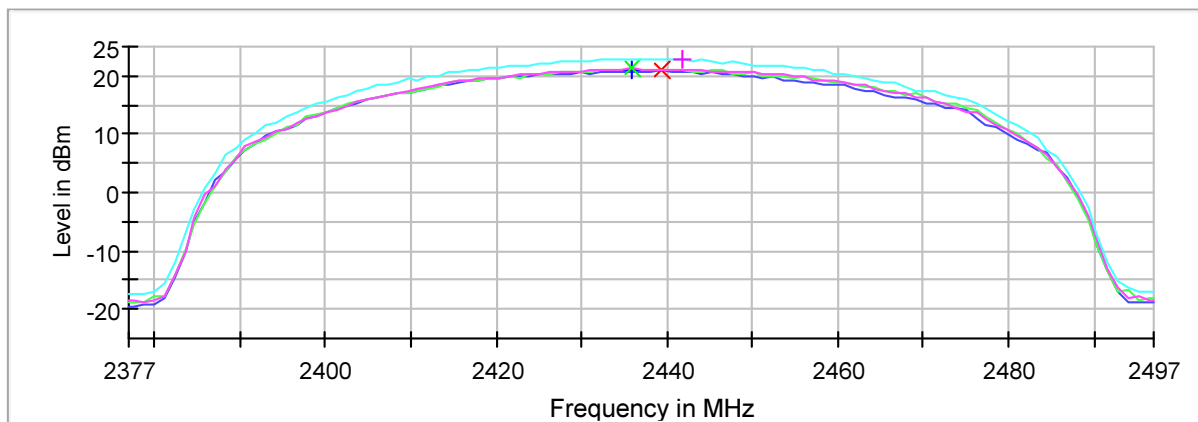
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2437MHz
Result	Output Power = 575.5mW (27.6dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2437.000000	27.6	30.0	PASS

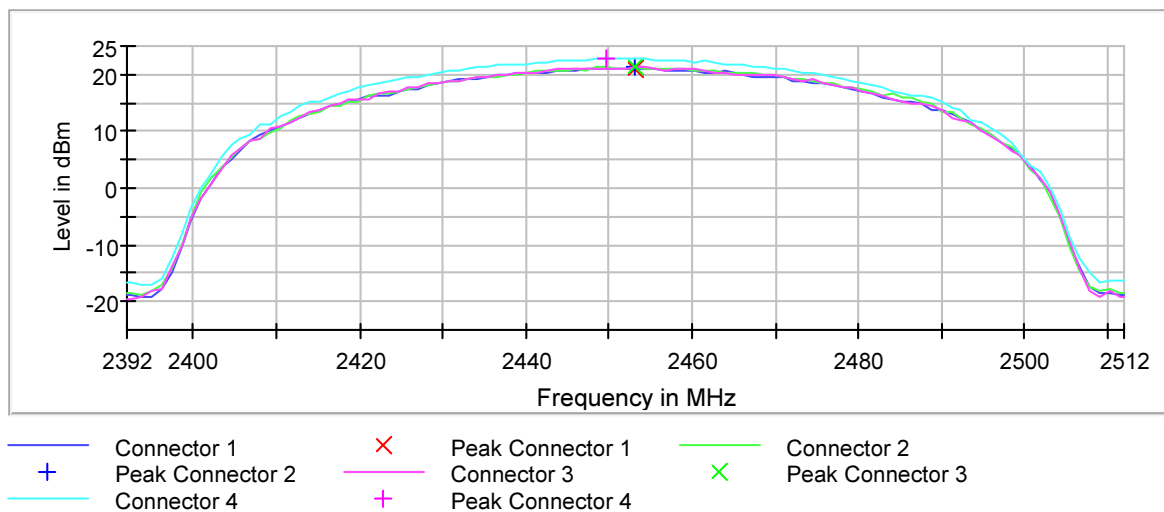
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2452MHz
Result	Output Power = 588.9mW (27.7dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2452.000000	27.7	30.0	PASS

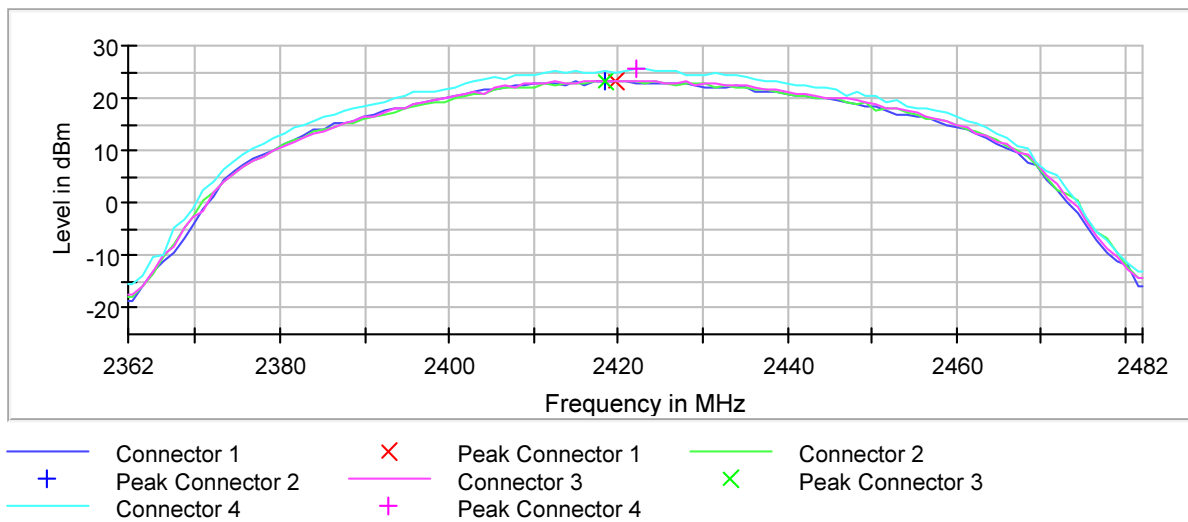
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2422MHz
Result	Output Power = 1000mW (30dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2422.000000	30.0	30.0	PASS

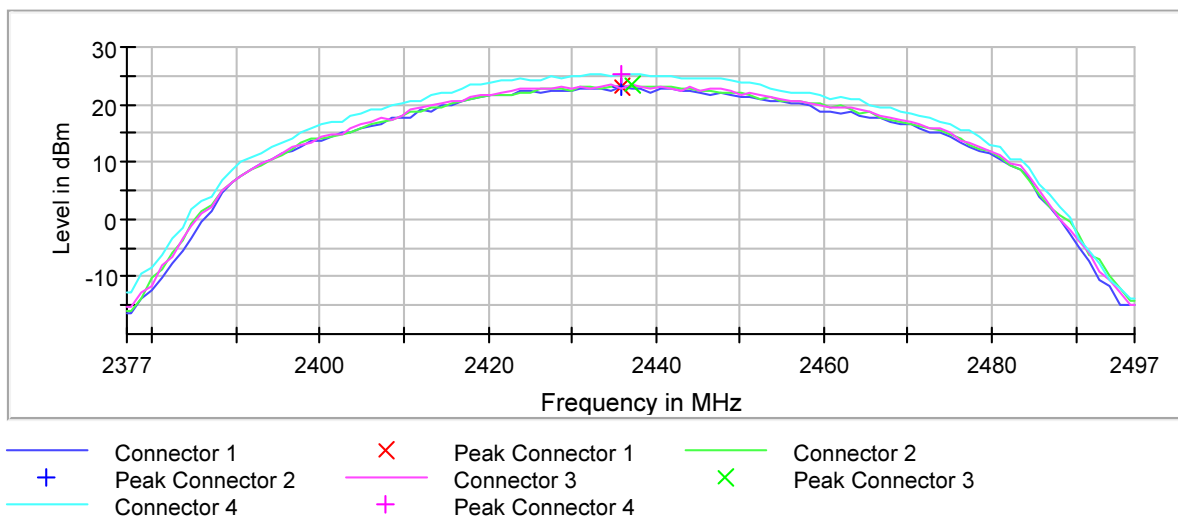
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2437MHz
Result	Output Power = 955mW (29.8dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2437.000000	29.8	30.0	PASS

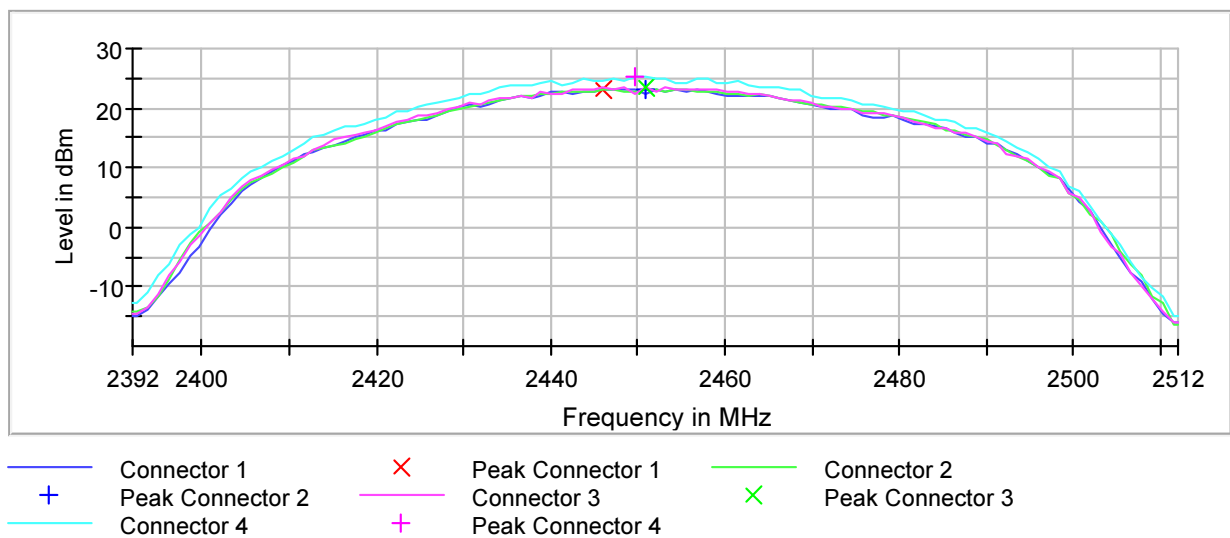
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2452MHz
Result	Output Power = 977.3mW (29.9dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2452.000000	29.9	30.0	PASS

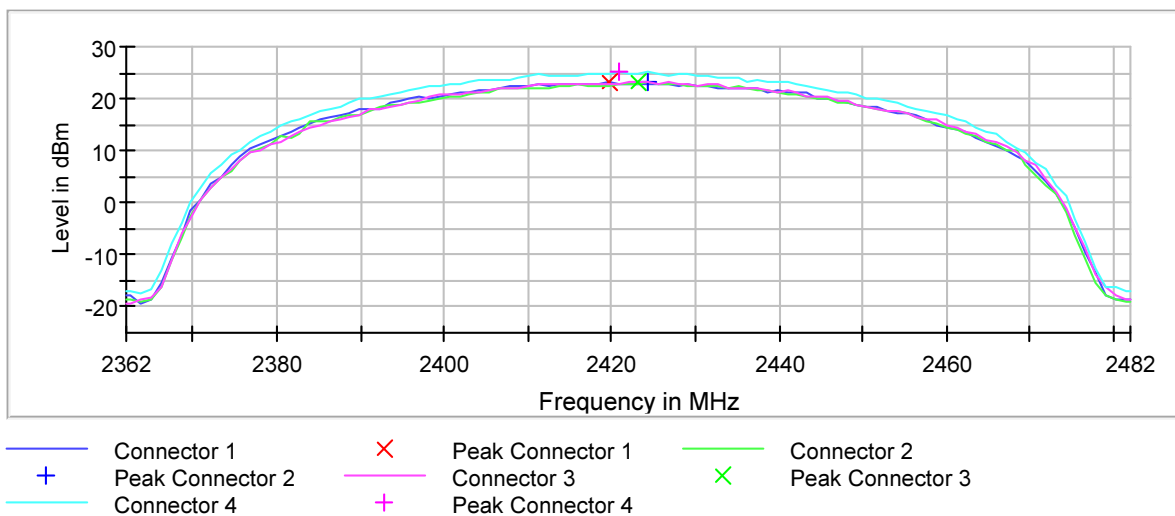
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2422MHz
Result	Output Power = 955mW (29.8dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2422.000000	29.8	30.0	PASS

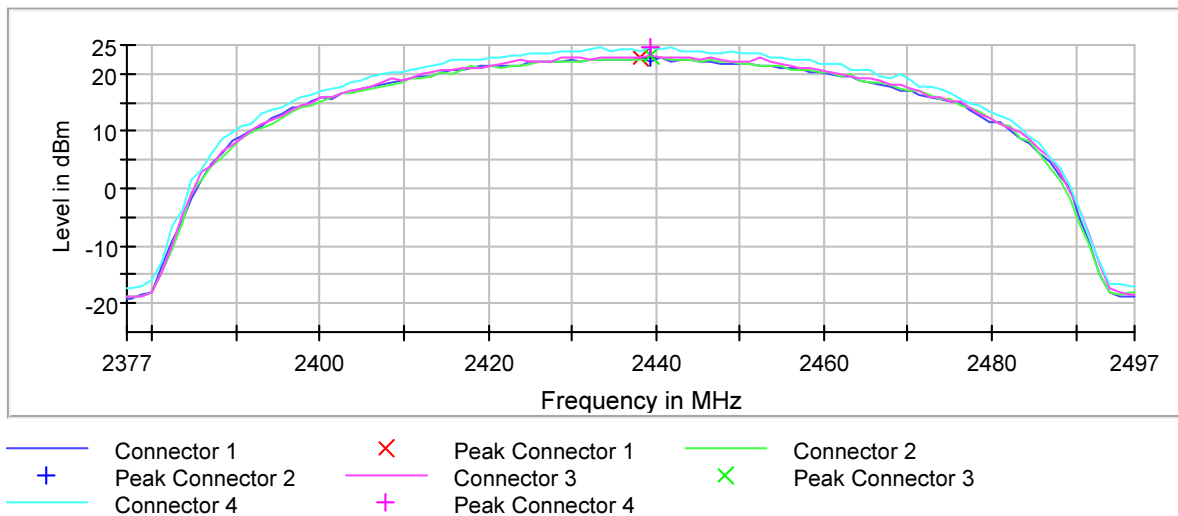
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2437MHz
Result	Output Power = 871mW (29.4dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2437.000000	29.4	30.0	PASS

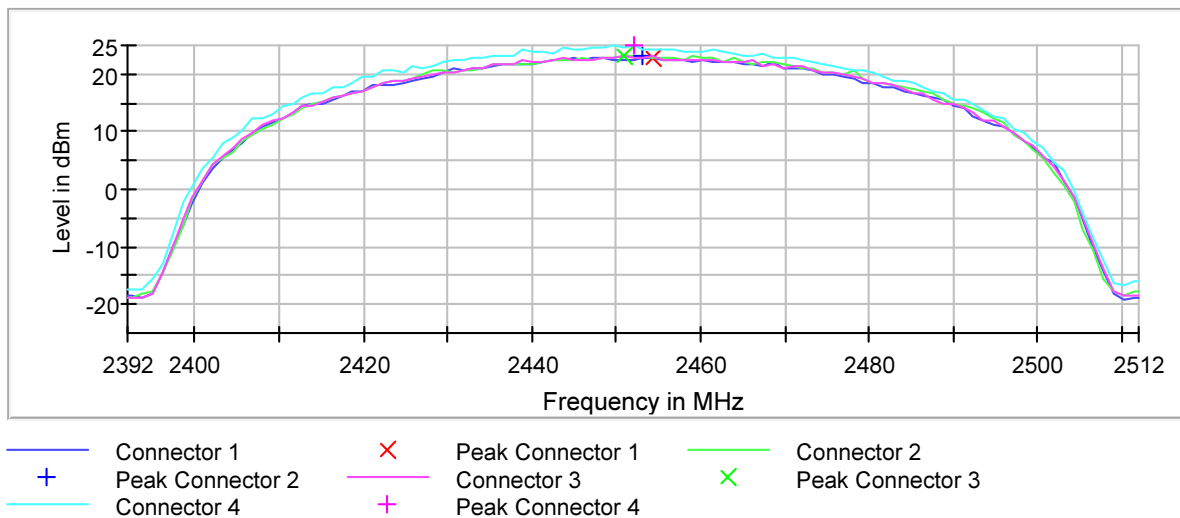
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2452MHz
Result	Output Power = 933.3mW (29.7dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2452.000000	29.7	30.0	PASS

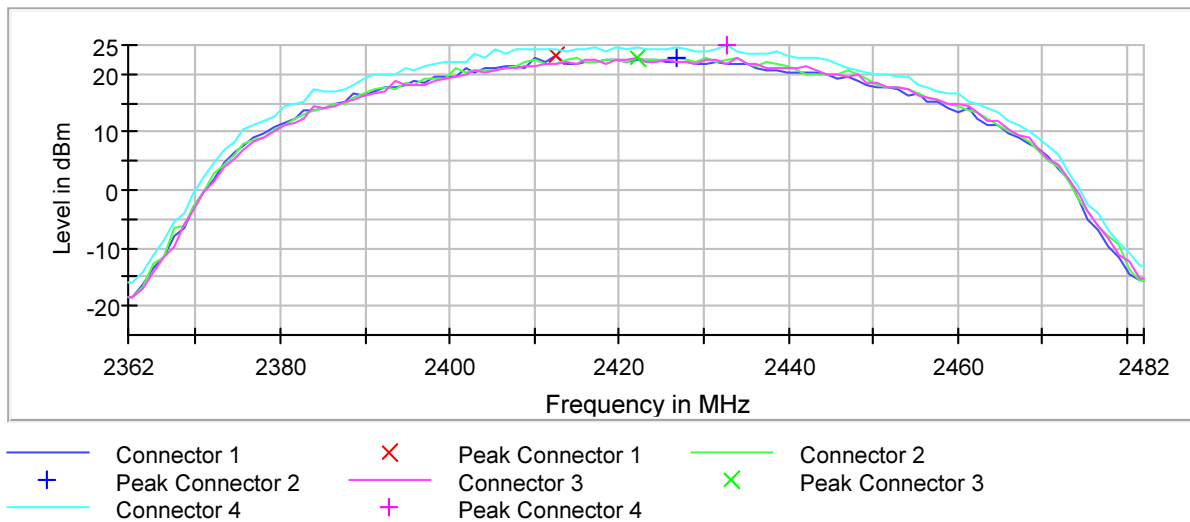
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS11
Frequency Tested	2422MHz
Result	Output Power = 912.1mW (29.6dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2422.000000	29.6	30.0	PASS

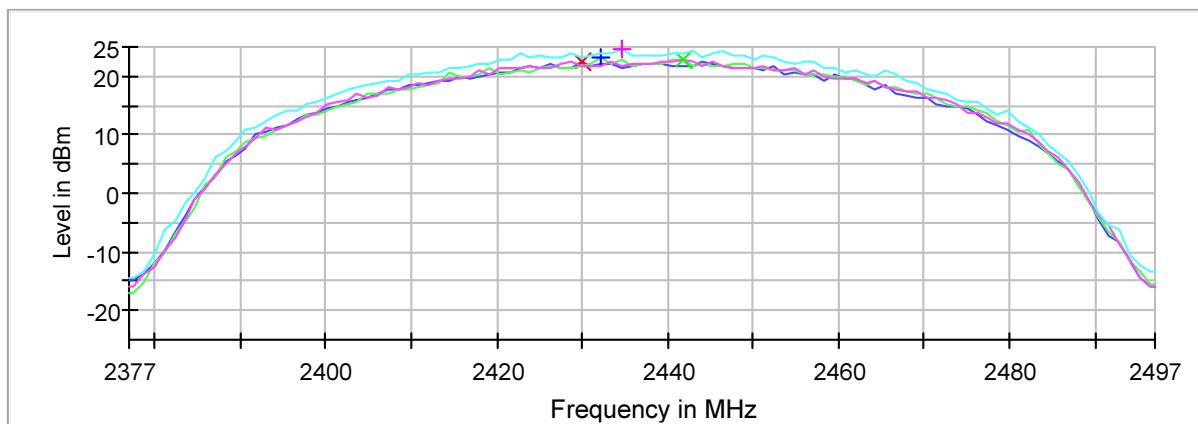
Peak Power



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS11
Frequency Tested	2437MHz
Result	Output Power = 851.2mW (29.3dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2437.000000	29.3	30.0	PASS

Peak Power

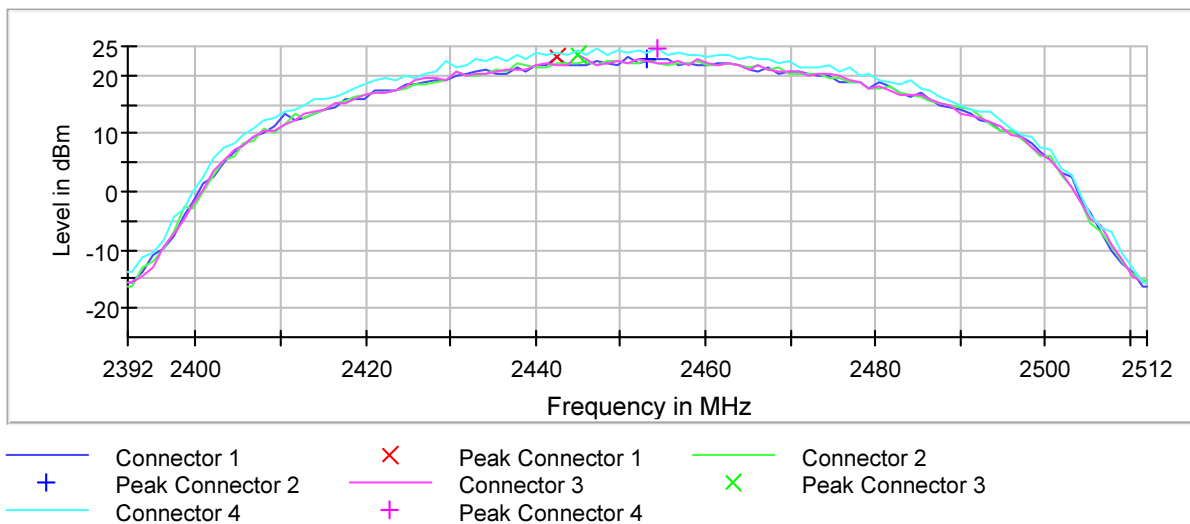


+	Connector 1 Peak Connector 2 Connector 4	× +	Peak Connector 1 Connector 3 Peak Connector 4	×	Connector 2 Peak Connector 3
---	--	--	---	---	---------------------------------

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS11
Frequency Tested	2452MHz
Result	Output Power = 912.1mW (29.6dBm)
Notes	None

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2452.000000	29.6	30.0	PASS

Peak Power



24. Effective Isotropic Radiated Power (EIRP)

EUT Information	
Manufacturer	Righthand Technologies Inc
Product	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx

Test Setup Details	
Setup Format	Tabletop
Height of Support	N/A
Measurement Method	Radiated
Type of Test Site	Semi-Anechoic Chamber
Test Site Used	R29F
Type of Antennas Used	Double-ridged waveguide (or equivalent)
Notes	None

Measurement Uncertainty	
Measurement Type	Expanded Measurement Uncertainty
Radiated disturbance (electric field strength on an open area test site or alternative test site) (30 MHz – 1000 MHz)	4.3
Radiated disturbance (electric field strength on an open area test site or alternative test site) (1 GHz – 6 GHz)	3.1

Requirements
The output power shall not exceed 4W (36dBm).

Procedure
The EUT was placed on the non-conductive stand and set to transmit. A double ridged waveguide antenna was placed at a test distance of 3 meters from the EUT. The resolution bandwidth (RBW) of the spectrum analyzer was set to greater than the 6dB bandwidth. The EUT was maximized for worst case emissions (or maximum output power) at the measuring antenna. The maximum meter reading was recorded. The peak power output was measured for the low, middle, and high channels. The equivalent power was determined from the field intensity levels measured at 3 meters using the substitution method. To determine the emission power, a dipole antenna (double ridged waveguide antenna for all measurements above 1GHz) was then set in place of the EUT and connected to a calibrated signal generator. The output of the signal generator was adjusted to match the received level at the spectrum analyzer. The signal level was recorded. The reading was then corrected to compensate for cable loss (and antenna gain for all measurements above 1GHz), as required. The peak power output was calculated for low, middle, and high hopping frequencies.

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b
Result	Max EIRP = 269.2mW (24.3dBm)
Notes	None

Freq (MHz)	Ant Pol	Wide BW Meter Reading (dBμV)	Matched Sig Gen Reading (dBm)	Equivalent Antenna Gain (dB)	Cable Loss (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2412.00	H	85.20	22.50	5.24	3.44	24.30	36.00	-11.70
	V	81.07	19.00	5.24	3.44	20.80	36.00	-15.20
2437.00	H	83.10	21.10	5.21	3.47	22.85	36.00	-13.15
	V	79.65	16.70	5.21	3.47	18.45	36.00	-17.55
2462.00	H	81.84	19.90	5.19	3.49	21.60	36.00	-14.40
	V	78.78	17.00	5.19	3.49	18.70	36.00	-17.30

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g
Result	Max EIRP = 684mW (28.35dBm)
Notes	None

Freq (MHz)	Ant Pol	Wide BW Meter Reading (dBμV)	Matched Sig Gen Reading (dBm)	Equivalent Antenna Gain (dB)	Cable Loss (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2412.00	H	89.01	26.30	5.24	3.44	28.10	36.00	-7.90
	V	87.81	25.70	5.24	3.44	27.50	36.00	-8.50
2437.00	H	88.63	26.60	5.21	3.47	28.35	36.00	-7.65
	V	86.86	24.00	5.21	3.47	25.75	36.00	-10.25
2462.00	H	86.58	24.70	5.19	3.49	26.40	36.00	-9.60
	V	86.45	24.60	5.19	3.49	26.30	36.00	-9.70

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20
Result	Max EIRP = 684mW (28.35dBm)
Notes	None

Freq (MHz)	Ant Pol	Wide BW Meter Reading (dBμV)	Matched Sig Gen Reading (dBm)	Equivalent Antenna Gain (dB)	Cable Loss (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2412.00	H	88.03	25.30	5.24	3.44	27.10	36.00	-8.90
	V	88.33	26.20	5.24	3.44	28.00	36.00	-8.00
2437.00	H	88.63	26.60	5.21	3.47	28.35	36.00	-7.65
	V	86.41	23.50	5.21	3.47	25.25	36.00	-10.75
2462.00	H	88.05	26.20	5.19	3.49	27.90	36.00	-8.10
	V	86.87	25.10	5.19	3.49	26.80	36.00	-9.20

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20
Result	Max EIRP = 812.9mW (29.1dBm)
Notes	None

Freq (MHz)	Ant Pol	Wide BW Meter Reading (dBμV)	Matched Sig Gen Reading (dBm)	Equivalent Antenna Gain (dB)	Cable Loss (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2412.00	H	90.01	27.30	5.24	3.44	29.10	36.00	-6.90
	V	88.11	26.00	5.24	3.44	27.80	36.00	-8.20
2437.00	H	88.95	26.90	5.21	3.47	28.65	36.00	-7.35
	V	86.89	24.00	5.21	3.47	25.75	36.00	-10.25
2462.00	H	88.70	26.80	5.19	3.49	28.50	36.00	-7.50
	V	86.34	24.50	5.19	3.49	26.20	36.00	-9.80

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40
Result	Max EIRP = 772.7mW (28.88dBm)
Notes	None

Freq (MHz)	Ant Pol	Wide BW Meter Reading (dBμV)	Matched Sig Gen Reading (dBm)	Equivalent Antenna Gain (dB)	Cable Loss (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2422.00	H	89.56	27.10	5.23	3.45	28.88	36.00	-7.12
	V	87.62	26.10	5.23	3.45	27.88	36.00	-8.12
2437.00	H	88.32	26.30	5.21	3.47	28.05	36.00	-7.95
	V	87.59	24.70	5.21	3.47	26.45	36.00	-9.55
2452.00	H	88.57	26.70	5.20	3.48	28.42	36.00	-7.58
	V	87.30	25.20	5.20	3.48	26.92	36.00	-9.08

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40
Result	Max EIRP = 762.1mW (28.82dBm)
Notes	None

Freq (MHz)	Ant Pol	Wide BW Meter Reading (dBμV)	Matched Sig Gen Reading (dBm)	Equivalent Antenna Gain (dB)	Cable Loss (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2422.00	H	88.50	26.10	5.23	3.45	27.88	36.00	-8.12
	V	88.44	27.00	5.23	3.45	28.78	36.00	-7.22
2437.00	H	88.12	26.10	5.21	3.47	27.85	36.00	-8.15
	V	87.58	24.70	5.21	3.47	26.45	36.00	-9.55
2452.00	H	88.99	27.10	5.20	3.48	28.82	36.00	-7.18
	V	88.32	26.20	5.20	3.48	27.92	36.00	-8.08

25. Case Spurious Radiated Emissions

EUT Information	
Manufacturer	Righthand Technologies Inc
Product	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx

Test Setup Details	
Setup Format	Tabletop
Height of Support	N/A
Type of Test Site	Semi-Anechoic Chamber
Test Site Used	R29
Antenna Types Used	1 – 18GHz: Double-Ridged Waveguide (or equivalent) Above 18GHz: Horn (or equivalent)
Notes	The worst-case data rates were chosen for testing for each protocol.

Measurement Uncertainty	
Measurement Type	Expanded Measurement Uncertainty
Radiated disturbance (electric field strength on an open area test site or alternative test site) (30 MHz – 1000 MHz)	4.3
Radiated disturbance (electric field strength on an open area test site or alternative test site) (1 GHz – 6 GHz)	3.1
Radiated disturbance (electric field strength on an open area test site or alternative test site) (6 GHz – 18 GHz)	3.2
Radiated disturbance (electric field strength on an open area test site or alternative test site) (18 GHz – 26.5 GHz)	3.3

Procedure

Radiated measurements were performed in a 32ft. x 20ft. x 14ft. high shielded enclosure. The shielded enclosure prevents emissions from other sources, such as radio and TV stations from interfering with the measurements. All powerlines and signal lines entering the enclosure pass through filters on the enclosure wall. The powerline filters prevent extraneous signals from entering the enclosure on these leads.

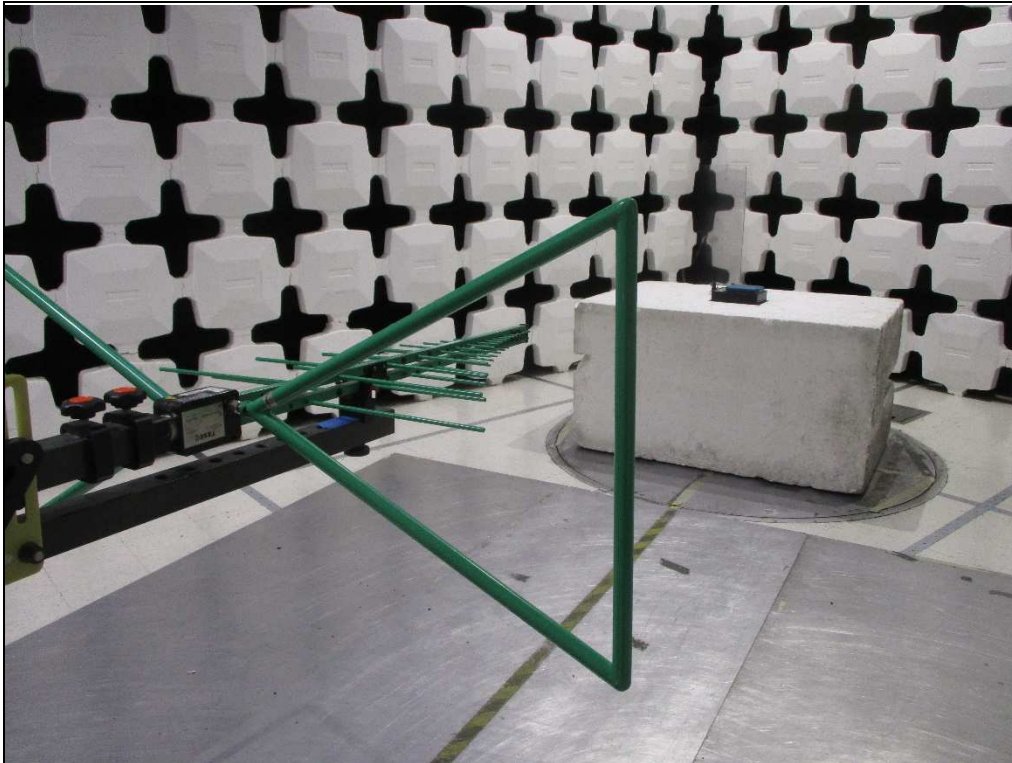
Preliminary radiated emissions tests were performed to determine the emission characteristics of the EUT. For the preliminary test, a broadband measuring antenna was positioned at a 3-meter distance from the EUT. The entire frequency range from 30MHz to 25GHz was investigated using a peak detector function.

The final open field emission tests were then manually performed over the frequency range of 30MHz to 25GHz.

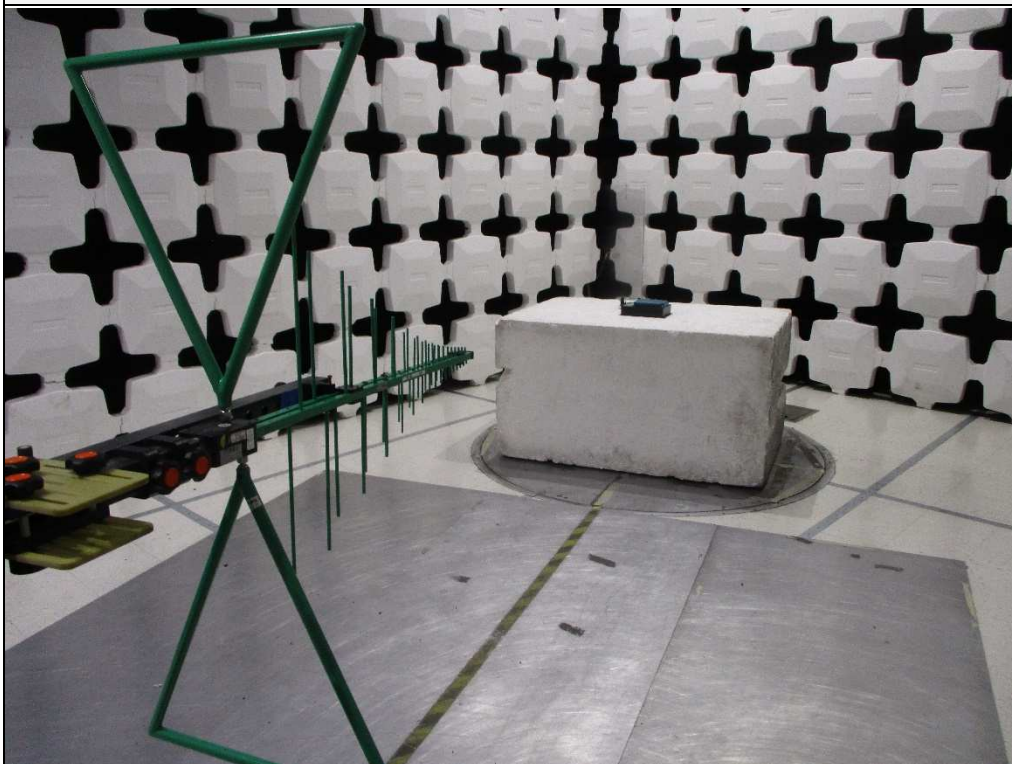
- 1) For all harmonics not in the restricted bands, the following procedure was used:
 - a) The field strength of the fundamental was measured using a double ridged waveguide antenna. The waveguide antenna was positioned at a 3-meter distance from the EUT. The EUT was placed on a 1.5-meter-high non-conductive stand. A peak detector with a resolution bandwidth of 100 kHz was used on the spectrum analyzer.
 - b) The field strengths of all of the harmonics not in the restricted band were then measured using a double-ridged waveguide antenna. The waveguide antenna was positioned at a 3-meter distance from the EUT. The EUT was placed on a 1.5-meter-high non-conductive stand. A peak detector with a resolution bandwidth of 100kHz was used on the spectrum analyzer.
 - c) To ensure that maximum or worst-case emission levels at the fundamental and harmonics were measured, the following steps were taken when measuring the fundamental emissions and the spurious emissions:
 - i) The EUT was rotated so that all of its sides were exposed to the receiving antenna.
 - ii) Since the measuring antenna is linearly polarized, both horizontal and vertical field components were measured.
 - iii) The measuring antenna was raised and lowered for each antenna polarization to maximize the readings.
 - iv) In instances where it was necessary to use a shortened cable between the measuring antenna and the spectrum analyzer, the measuring antenna was not raised or lowered to ensure maximized readings. Instead, the EUT was rotated through all axis to ensure the maximum readings were recorded for the EUT.
 - d) All harmonics not in the restricted bands must be at least 20dB below levels measured at the fundamental. However, attenuation below the general limits specified in §15.209(a) is not required.
- 2) For all emissions in the restricted bands, the following procedure was used:
 - a) The field strengths of all emissions below 1GHz were measured using a bi-log antenna. The bi-log antenna was positioned at a 3-meter distance from the EUT. The EUT was placed on an 80cm high non-conductive stand. A peak detector with a resolution bandwidth of 100 kHz was used on the spectrum analyzer.
 - b) The field strengths of all emissions above 1GHz were measured using a double-ridged waveguide antenna. The waveguide antenna was positioned at a 3-meter distance from the EUT. The EUT was placed on a 1.5-meter-high non-conductive stand. A peak detector with a resolution bandwidth of 1MHz was used on the spectrum analyzer.
 - c) To ensure that maximum or worst-case emission levels were measured, the following steps were taken when taking all measurements:
 - i) The EUT was rotated so that all of its sides were exposed to the receiving antenna.
 - ii) Since the measuring antenna is linearly polarized, both horizontal and vertical field components

were measured.

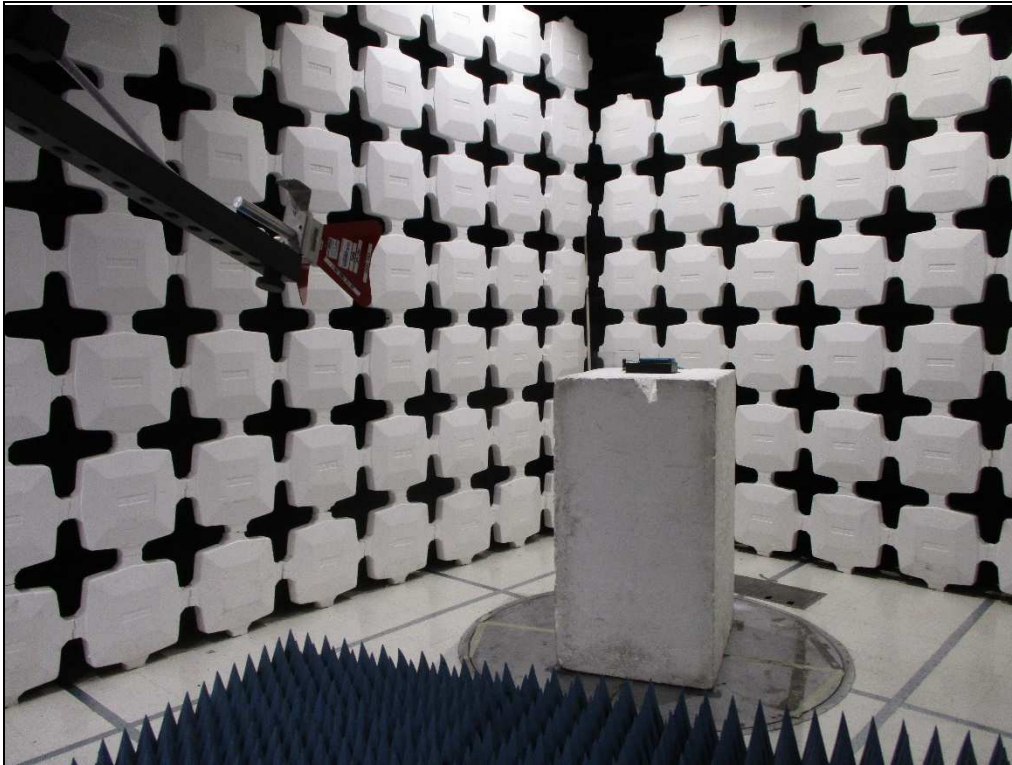
- iii) The measuring antenna was raised and lowered for each antenna polarization to maximize the readings.
- iv) In instances where it was necessary to use a shortened cable between the measuring antenna and the spectrum analyzer, the measuring antenna was not raised or lowered to ensure maximized readings. Instead, the EUT was rotated through all axis to ensure the maximum readings were recorded for the EUT.
- d) For all radiated emissions measurements below 1GHz, if the peak reading is below the limits listed in §15.209(a), no further measurements are required. If, however, the peak readings exceed the limits listed in §15.209(a), then the emissions are remeasured using a quasi-peak detector.
- e) For all radiated emissions measurements above 1GHz, the peak readings must comply with the §15.35(b) limits. §15.35(b) states that when average radiated emissions measurements are specified, there also is a limit on the peak level of the radiated emissions. The limit on the peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. Therefore, all peak readings above 1GHz must be no greater than 20dB above the limits specified in §15.209(a).
- f) Next, for all radiated emissions measurements above 1GHz, the resolution bandwidth was set to 1MHz. The analyzer was set to linear mode with a 10Hz video bandwidth in order to simulate an average detector. An average reading was taken.



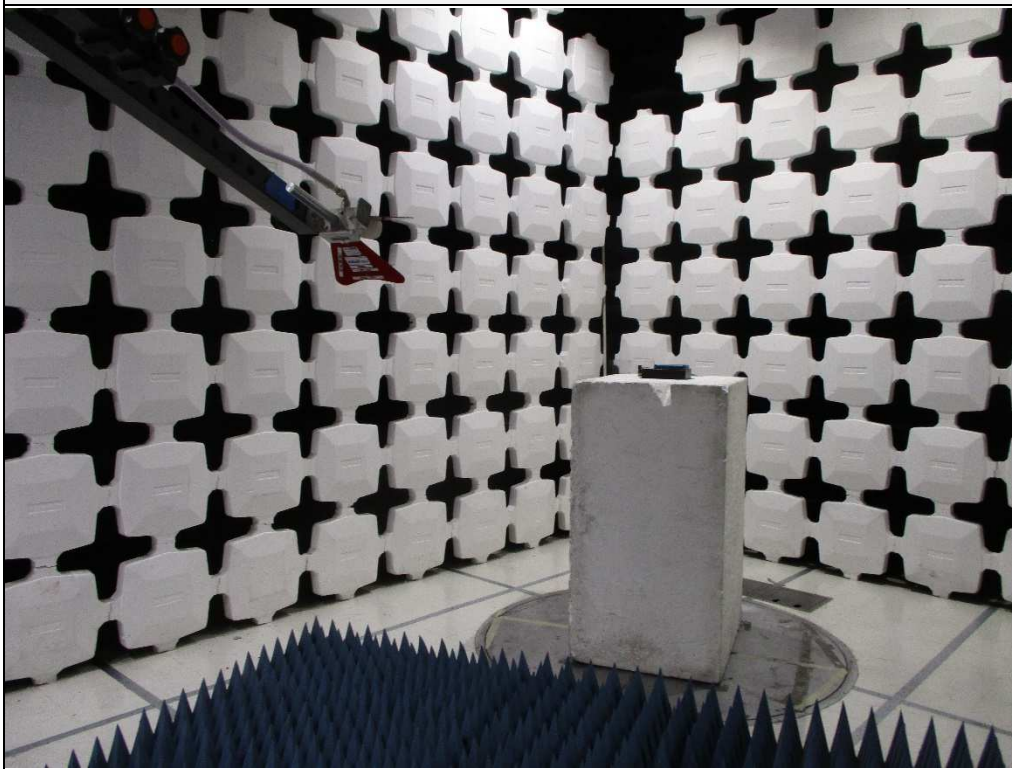
Test Setup for Spurious Radiated Emissions, 30MHz – 1GHz – Antenna
Polarization Horizontal



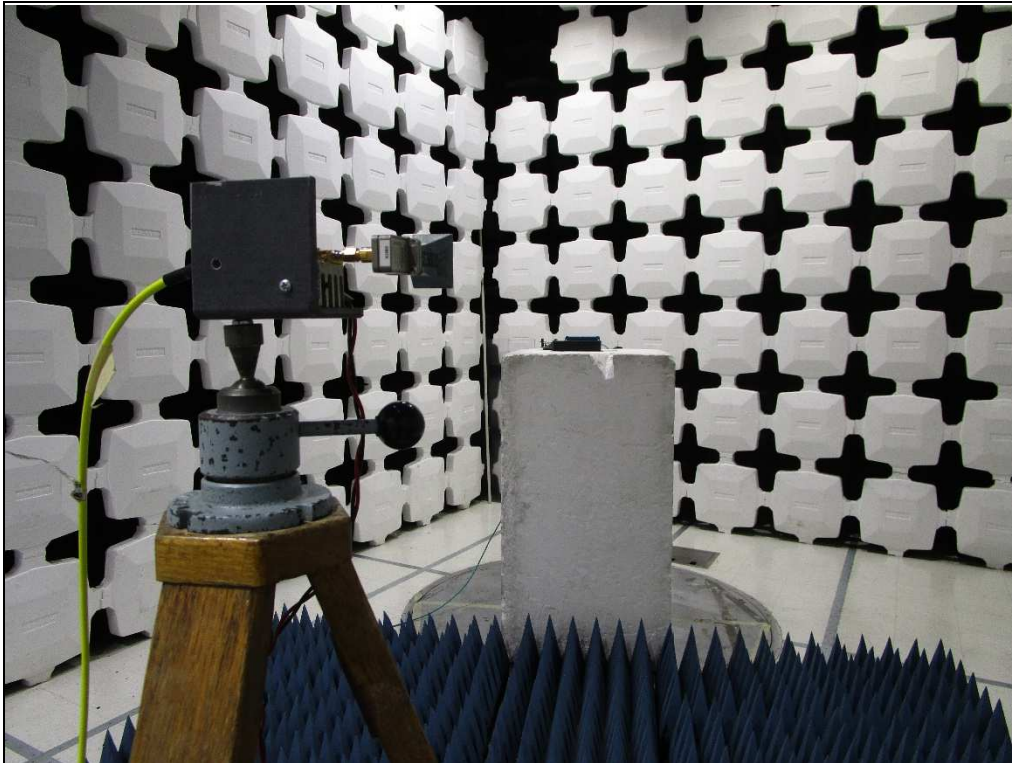
Test Setup for Spurious Radiated Emissions, 30MHz – 1GHz – Antenna
Polarization Vertical



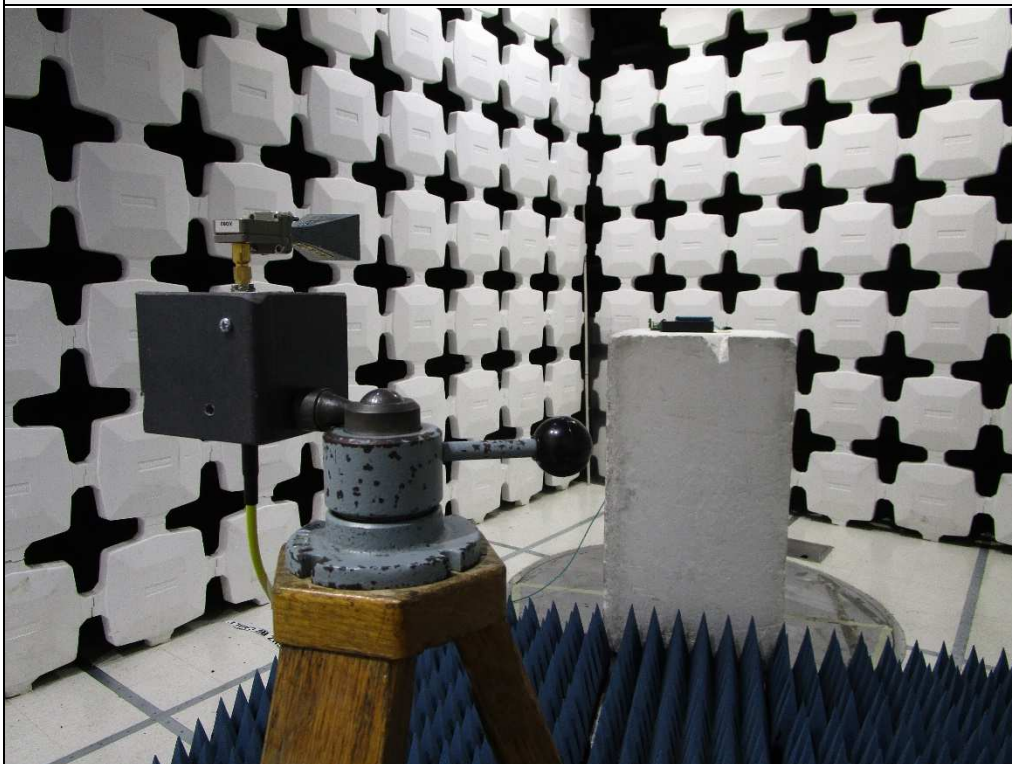
Test Setup for Spurious Radiated Emissions, 1 – 18GHz – Antenna Polarization Horizontal



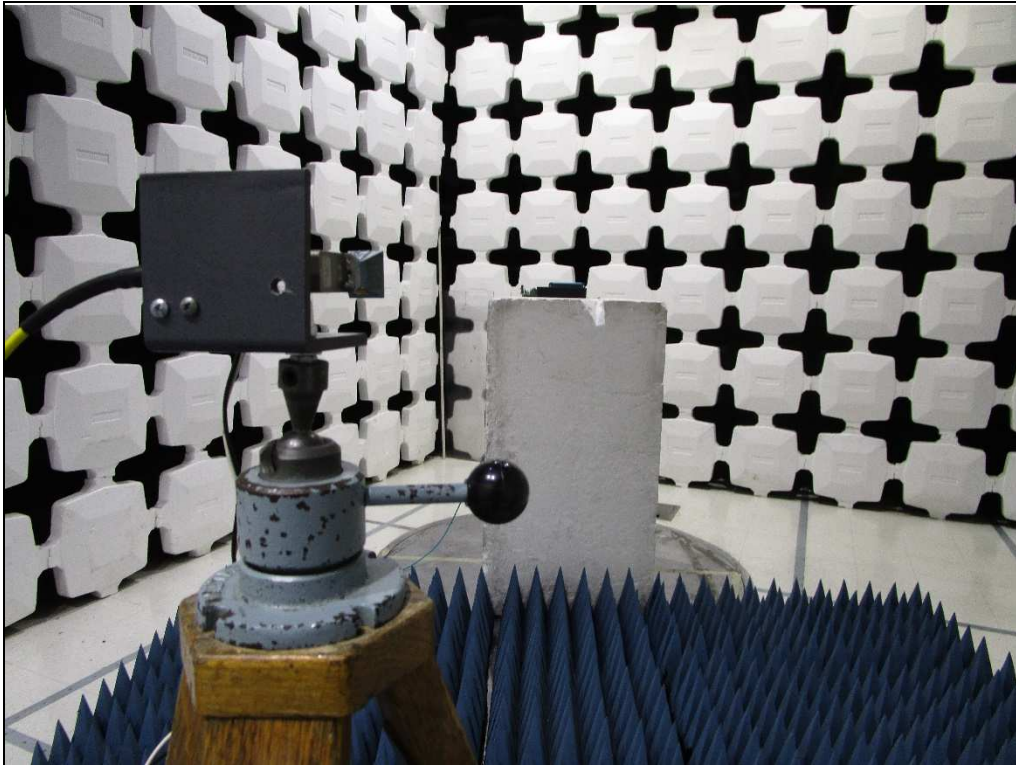
Test Setup for Spurious Radiated Emissions, 1 – 18GHz – Antenna Polarization Vertical



Test Setup for Spurious Radiated Emissions, 18 – 26.5GHz – Antenna Polarization Horizontal



Test Setup for Spurious Radiated Emissions, 18 – 26.5GHz – Antenna Polarization Vertical



Test Setup for Spurious Radiated Emissions, Above 26.5GHz – Antenna Polarization Horizontal



Test Setup for Spurious Radiated Emissions, Above 26.5GHz – Antenna Polarization Vertical

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2412MHz
Date Tested	8/16/2023
Notes	Peak Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
4824.00	H	53.61		4.87	34.28	-39.31	53.45	470.36	5000.00	-20.53
	V	51.05		4.87	34.28	-39.31	50.89	350.29	5000.00	-23.09
12060.00	H	49.98	*	7.05	38.83	-39.14	56.72	685.51	5000.00	-17.26
	V	48.92	*	7.05	38.83	-39.14	55.66	606.75	5000.00	-18.32
14472.00	H	48.56	*	7.43	39.42	-38.28	57.12	717.98	5000.00	-16.86
	V	47.87	*	7.43	39.42	-38.28	56.43	663.16	5000.00	-17.55
19296.00	H	36.34	*	2.21	40.38	-27.87	51.07	357.62	5000.00	-22.91
	V	36.40	*	2.21	40.38	-27.87	51.13	360.10	5000.00	-22.85

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2412MHz
Date Tested	8/16/2023
Notes	Average Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
4824.00	H	47.51		4.87	34.28	-39.31	0.00	47.35	233.04	500.00	-6.63
	V	41.82		4.87	34.28	-39.31	0.00	41.66	121.04	500.00	-12.32
12060.00	H	39.18	*	7.05	38.83	-39.14	0.00	45.92	197.70	500.00	-8.06
	V	38.66	*	7.05	38.83	-39.14	0.00	45.40	186.21	500.00	-8.58
14472.00	H	38.44	*	7.43	39.42	-38.28	0.00	47.00	223.93	500.00	-6.98
	V	38.33	*	7.43	39.42	-38.28	0.00	46.89	221.11	500.00	-7.09
19296.00	H	21.84	*	2.21	40.38	-27.87	0.00	36.57	67.36	500.00	-17.41
	V	21.81	*	2.21	40.38	-27.87	0.00	36.54	67.13	500.00	-17.44

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11 Mbps
Frequency Tested	2412MHz
Date Tested	8/16/2023
Notes	Peak Measurements in Non-Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2412.00	H	73.11		3.39	32.59	0.00	109.08	284595.19	NA	NA
	V	68.94		3.39	32.59	0.00	104.91	176087.11	NA	NA
7236.00	H	54.39		5.87	36.27	-39.42	57.11	716.59	28459.52	-31.98
	V	52.32		5.87	36.27	-39.42	55.04	564.64	28459.52	-34.05
9648.00	H	38.19	*	6.30	37.18	-39.27	42.40	131.78	28459.52	-46.69
	V	38.57	*	6.30	37.18	-39.27	42.78	137.67	28459.52	-46.31
16884.00	H	36.83	*	7.73	42.27	-37.49	49.35	293.28	28459.52	-39.74
	V	36.58	*	7.73	42.27	-37.49	49.10	284.96	28459.52	-39.99
21708.00	H	25.26	*	2.23	40.56	-28.69	39.37	93.02	28459.52	-49.71
	V	25.52	*	2.23	40.56	-28.69	39.63	95.84	28459.52	-49.45
24120.00	H	23.20	*	2.24	40.62	-29.36	36.70	68.36	28459.52	-52.39
	V	23.51	*	2.24	40.62	-29.36	37.01	70.85	28459.52	-52.08

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2437MHz
Date Tested	8/16/2023
Notes	Peak Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
4874.00	H	52.10		4.99	34.21	-39.33	51.98	397.21	5000.00	-22.00
	V	51.12		4.99	34.21	-39.33	51.00	354.83	5000.00	-22.98
7311.00	H	54.16		5.84	36.27	-39.42	56.84	695.18	5000.00	-17.14
	V	54.88		5.84	36.27	-39.42	57.56	755.26	5000.00	-16.42
12185.00	H	48.29	*	7.13	38.85	-39.09	55.18	573.97	5000.00	-18.80
	V	48.24	*	7.13	38.85	-39.09	55.13	570.68	5000.00	-18.85
19496.00	H	34.92	*	2.22	40.39	-27.75	49.78	308.40	5000.00	-24.20
	V	35.12	*	2.22	40.39	-27.75	49.98	315.59	5000.00	-24.00

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2437MHz
Date Tested	8/16/2023
Notes	Average Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
4874.00	H	44.39		4.99	34.21	-39.33	0.00	44.27	163.50	500.00	-9.71
	V	44.80		4.99	34.21	-39.33	0.00	44.68	171.40	500.00	-9.30
7311.00	H	47.82		5.84	36.27	-39.42	0.00	50.50	335.04	500.00	-3.48
	V	47.81		5.84	36.27	-39.42	0.00	50.49	334.65	500.00	-3.49
12185.00	H	38.20	*	7.13	38.85	-39.09	0.00	45.09	179.64	500.00	-8.89
	V	38.36	*	7.13	38.85	-39.09	0.00	45.25	182.98	500.00	-8.73
19496.00	H	19.94	*	2.22	40.39	-27.75	0.00	34.80	54.97	500.00	-19.18
	V	20.04	*	2.22	40.39	-27.75	0.00	34.90	55.61	500.00	-19.08

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2437MHz
Date Tested	8/16/2023
Notes	Peak Measurements in Non-Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2437.00	H	72.52		3.39	32.63	0.00	108.54	267160.37	NA	NA
	V	69.09		3.39	32.63	0.00	105.11	179999.80	NA	NA
9748.00	H	37.93	*	6.36	37.22	-39.26	42.25	129.64	26716.04	-46.28
	V	37.11	*	6.36	37.22	-39.26	41.43	117.96	26716.04	-47.10
14622.00	H	39.61	*	7.30	39.49	-38.23	48.17	256.03	26716.04	-40.37
	V	37.69	*	7.30	39.49	-38.23	46.25	205.25	26716.04	-42.29
17059.00	H	38.04	*	7.66	42.43	-37.54	50.59	338.59	26716.04	-37.94
	V	36.97	*	7.66	42.43	-37.54	49.52	299.35	26716.04	-39.01
21933.00	H	25.57	*	2.21	40.58	-28.90	39.46	93.93	26716.04	-49.08
	V	26.17	*	2.21	40.58	-28.90	40.06	100.65	26716.04	-48.48
24370.00	H	24.67	*	2.23	40.63	-29.36	38.17	80.96	26716.04	-50.37
	V	25.63	*	2.23	40.63	-29.36	39.13	90.43	26716.04	-49.41

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2462MHz
Date Tested	8/16/2023
Notes	Peak Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
4924.00	H	51.68		5.12	34.16	-39.34	51.62	381.10	5000.00	-22.36
	V	50.05		5.12	34.16	-39.34	49.99	315.89	5000.00	-23.99
7386.00	H	54.45		5.87	36.30	-39.43	57.20	724.23	5000.00	-16.78
	V	53.17		5.87	36.30	-39.43	55.92	625.00	5000.00	-18.06
12310.00	H	48.56	*	7.25	38.85	-39.04	55.62	603.89	5000.00	-18.36
	V	47.90	*	7.25	38.85	-39.04	54.96	559.70	5000.00	-19.02
19696.00	H	35.35	*	2.23	40.40	-28.04	49.93	313.85	5000.00	-24.04
	V	35.70	*	2.23	40.40	-28.04	50.28	326.75	5000.00	-23.69
22158.00	H	36.41	*	2.21	40.58	-28.73	50.47	333.99	5000.00	-23.50
	V	36.11	*	2.21	40.58	-28.73	50.17	322.65	5000.00	-23.80

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2462MHz
Date Tested	8/16/2023
Notes	Average Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
4924.00	H	46.82		5.12	34.16	-39.34	0.00	46.76	217.79	500.00	-7.22
	V	43.37		5.12	34.16	-39.34	0.00	43.31	146.40	500.00	-10.67
7386.00	H	48.05		5.87	36.30	-39.43	0.00	50.80	346.64	500.00	-3.18
	V	45.57		5.87	36.30	-39.43	0.00	48.32	260.54	500.00	-5.66
12310.00	H	39.39	*	7.25	38.85	-39.04	0.00	46.45	210.11	500.00	-7.53
	V	36.96	*	7.25	38.85	-39.04	0.00	44.02	158.84	500.00	-9.96
19696.00	H	20.45	*	2.23	40.40	-28.04	0.00	35.03	56.46	500.00	-18.94
	V	20.61	*	2.23	40.40	-28.04	0.00	35.19	57.51	500.00	-18.78
22158.00	H	21.22	*	2.21	40.58	-28.73	0.00	35.28	58.11	500.00	-18.69
	V	20.97	*	2.21	40.58	-28.73	0.00	35.03	56.46	500.00	-18.94

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2462MHz
Date Tested	8/16/2023
Notes	Peak Measurements in Non-Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2462.00	H	71.37		3.39	32.67	0.00	107.43	235354.70	NA	NA
	V	68.45		3.39	32.67	0.00	104.51	168160.07	NA	NA
9848.00	H	38.51	*	6.42	37.20	-39.25	42.88	139.34	23535.47	-44.55
	V	36.91	*	6.42	37.20	-39.25	41.28	115.90	23535.47	-46.15
14772.00	H	38.29	*	7.49	39.70	-38.19	47.28	231.30	23535.47	-40.15
	V	37.06	*	7.49	39.70	-38.19	46.05	200.76	23535.47	-41.38
17234.00	H	37.87	*	7.52	42.49	-37.65	50.23	324.70	23535.47	-37.20
	V	37.95	*	7.52	42.49	-37.65	50.31	327.71	23535.47	-37.12
24620.00	H	25.85	*	2.22	40.64	-29.01	39.69	96.55	23535.47	-47.74
	V	25.23	*	2.22	40.64	-29.01	39.07	89.90	23535.47	-48.36

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2412MHz
Date Tested	8/16/2023
Notes	Peak Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
4824.00	H	55.02		4.87	34.28	-39.31	54.86	553.27	5000.00	-19.12
	V	50.91		4.87	34.28	-39.31	50.75	344.69	5000.00	-23.23
12060.00	H	48.67	*	7.05	38.83	-39.14	55.41	589.54	5000.00	-18.57
	V	48.74	*	7.05	38.83	-39.14	55.48	594.31	5000.00	-18.50
14472.00	H	48.22	*	7.43	39.42	-38.28	56.78	690.42	5000.00	-17.20
	V	47.65	*	7.43	39.42	-38.28	56.21	646.57	5000.00	-17.77
19296.00	H	35.59	*	2.21	40.38	-27.87	50.32	328.03	5000.00	-23.66
	V	36.21	*	2.21	40.38	-27.87	50.94	352.30	5000.00	-23.04

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2412MHz
Date Tested	8/16/2023
Notes	Average Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
4824.00	H	47.78		4.87	34.28	-39.31	0.00	47.62	240.40	500.00	-6.36
	V	45.92		4.87	34.28	-39.31	0.00	45.76	194.06	500.00	-8.22
12060.00	H	41.39	*	7.05	38.83	-39.14	0.00	48.13	254.98	500.00	-5.85
	V	41.55	*	7.05	38.83	-39.14	0.00	48.29	259.72	500.00	-5.69
14472.00	H	41.01	*	7.43	39.42	-38.28	0.00	49.57	301.03	500.00	-4.41
	V	40.97	*	7.43	39.42	-38.28	0.00	49.53	299.65	500.00	-4.45
19296.00	H	20.99	*	2.21	40.38	-27.87	0.00	35.72	61.08	500.00	-18.26
	V	21.19	*	2.21	40.38	-27.87	0.00	35.92	62.51	500.00	-18.06

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2412MHz
Date Tested	8/16/2023
Notes	Peak Measurements in Non-Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2412.00	H	70.14		3.39	32.59	0.00	106.11	202175.05	NA	NA
	V	70.48		3.39	32.59	0.00	106.45	210245.91	NA	NA
7236.00	H	70.92		5.87	36.27	-39.42	73.64	4805.84	21024.59	-12.82
	V	65.59		5.87	36.27	-39.42	68.31	2601.77	21024.59	-18.15
9648.00	H	37.29	*	6.30	37.18	-39.27	41.50	118.81	21024.59	-44.96
	V	37.90	*	6.30	37.18	-39.27	42.11	127.45	21024.59	-44.35
16884.00	H	36.14	*	7.73	42.27	-37.49	48.66	270.88	21024.59	-37.80
	V	36.64	*	7.73	42.27	-37.49	49.16	286.93	21024.59	-37.30
21708.00	H	25.00	*	2.23	40.56	-28.69	39.11	90.27	21024.59	-47.34
	V	25.67	*	2.23	40.56	-28.69	39.78	97.51	21024.59	-46.67
24120.00	H	22.06	*	2.24	40.62	-29.36	35.56	59.95	21024.59	-50.90
	V	22.85	*	2.24	40.62	-29.36	36.35	65.66	21024.59	-50.11

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2437MHz
Notes	Peak Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
4874.00	H	53.57		4.99	34.21	-39.33	53.45	470.46	5000.00	-20.53
	V	51.37		4.99	34.21	-39.33	51.25	365.19	5000.00	-22.73
7311.00	H	68.79		5.84	36.27	-39.42	71.47	3746.25	5000.00	-2.51
	V	63.89		5.84	36.27	-39.42	66.57	2131.07	5000.00	-7.41
12185.00	H	48.63	*	7.13	38.85	-39.09	55.52	596.89	5000.00	-18.46
	V	48.22	*	7.13	38.85	-39.09	55.11	569.37	5000.00	-18.87
19496.00	H	35.02	*	2.22	40.39	-27.75	49.88	311.98	5000.00	-24.10
	V	34.46	*	2.22	40.39	-27.75	49.32	292.50	5000.00	-24.66

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2437MHz
Date Tested	8/16/2023
Notes	Average Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
4874.00	H	53.46		4.99	34.21	-39.33	0.00	53.34	464.53	500.00	-0.64
	V	52.96		4.99	34.21	-39.33	0.00	52.84	438.55	500.00	-1.14
7311.00	H	50.33		5.84	36.27	-39.42	0.00	53.01	447.30	500.00	-0.97
	V	47.56		5.84	36.27	-39.42	0.00	50.24	325.16	500.00	-3.74
12185.00	H	41.41	*	7.13	38.85	-39.09	0.00	48.30	259.95	500.00	-5.68
	V	41.37	*	7.13	38.85	-39.09	0.00	48.26	258.76	500.00	-5.72
19496.00	H	19.71	*	2.22	40.39	-27.75	0.00	34.57	53.53	500.00	-19.41
	V	19.46	*	2.22	40.39	-27.75	0.00	34.32	52.01	500.00	-19.66

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2437MHz
Date Tested	8/16/2023
Notes	Peak Measurements in Non-Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2437.00	H	69.95		3.39	32.63	0.00	105.97	198733.94	NA	NA
	V	68.51		3.39	32.63	0.00	104.53	168372.84	NA	NA
9748.00	H	37.59	*	6.36	37.22	-39.26	41.91	124.66	19873.39	-44.05
	V	37.41	*	6.36	37.22	-39.26	41.73	122.11	19873.39	-44.23
14622.00	H	37.15	*	7.30	39.49	-38.23	45.71	192.88	19873.39	-40.26
	V	37.21	*	7.30	39.49	-38.23	45.77	194.22	19873.39	-40.20
17059.00	H	37.02	*	7.66	42.43	-37.54	49.57	301.07	19873.39	-36.39
	V	36.84	*	7.66	42.43	-37.54	49.39	294.90	19873.39	-36.57
21933.00	H	25.13	*	2.21	40.58	-28.90	39.02	89.29	19873.39	-46.95
	V	24.57	*	2.21	40.58	-28.90	38.46	83.72	19873.39	-47.51
24370.00	H	25.01	*	2.23	40.63	-29.36	38.51	84.20	19873.39	-47.46
	V	24.58	*	2.23	40.63	-29.36	38.08	80.13	19873.39	-47.89

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2462MHz
Date Tested	8/16/2023
Notes	Peak Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
4924.00	H	50.54		5.12	34.16	-39.34	50.48	334.23	5000.00	-23.50
	V	49.12		5.12	34.16	-39.34	49.06	283.82	5000.00	-24.92
7386.00	H	65.41		5.87	36.30	-39.43	68.16	2557.86	5000.00	-5.82
	V	59.59		5.87	36.30	-39.43	62.34	1308.81	5000.00	-11.64
12310.00	H	47.45	*	7.25	38.85	-39.04	54.51	531.44	5000.00	-19.47
	V	48.07	*	7.25	38.85	-39.04	55.13	570.76	5000.00	-18.85
19696.00	H	35.14	*	2.23	40.40	-28.04	49.72	306.35	5000.00	-24.25
	V	36.22	*	2.23	40.40	-28.04	50.80	346.91	5000.00	-23.17
22158.00	H	36.71	*	2.21	40.58	-28.73	50.77	345.72	5000.00	-23.20
	V	37.02	*	2.21	40.58	-28.73	51.08	358.29	5000.00	-22.89

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2462MHz
Date Tested	8/16/2023
Notes	Average Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
4924.00	H	37.78		5.12	34.16	-39.34	0.00	37.72	76.92	500.00	-16.26
	V	37.76		5.12	34.16	-39.34	0.00	37.70	76.74	500.00	-16.28
7386.00	H	48.58		5.87	36.30	-39.43	0.00	51.33	368.45	500.00	-2.65
	V	43.03		5.87	36.30	-39.43	0.00	45.78	194.48	500.00	-8.20
12310.00	H	36.21	*	7.25	38.85	-39.04	0.00	43.27	145.70	500.00	-10.71
	V	36.37	*	7.25	38.85	-39.04	0.00	43.43	148.41	500.00	-10.55
19696.00	H	20.16	*	2.23	40.40	-28.04	0.00	34.74	54.60	500.00	-19.23
	V	20.14	*	2.23	40.40	-28.04	0.00	34.72	54.48	500.00	-19.25
22158.00	H	20.98	*	2.21	40.58	-28.73	0.00	35.04	56.52	500.00	-18.93
	V	21.16	*	2.21	40.58	-28.73	0.00	35.22	57.71	500.00	-18.75

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2462MHz
Date Tested	8/16/2023
Notes	Peak Measurements in Non-Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2462.00	H	68.23		3.39	32.67	0.00	104.29	163954.32	NA	NA
	V	68.58		3.39	32.67	0.00	104.64	170695.81	NA	NA
9848.00	H	37.40	*	6.42	37.20	-39.25	41.77	122.63	17069.58	-42.87
	V	67.64	*	6.42	37.20	-39.25	72.01	3986.39	17069.58	-12.63
14772.00	H	38.70	*	7.49	39.70	-38.19	47.69	242.48	17069.58	-36.95
	V	40.27	*	7.49	39.70	-38.19	49.26	290.52	17069.58	-35.38
17234.00	H	37.95	*	7.52	42.49	-37.65	50.31	327.71	17069.58	-34.33
	V	37.89	*	7.52	42.49	-37.65	50.25	325.45	17069.58	-34.39
24620.00	H	25.61	*	2.22	40.64	-29.01	39.45	93.92	17069.58	-45.19
	V	25.24	*	2.22	40.64	-29.01	39.08	90.00	17069.58	-45.56

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2412MHz
Date Tested	8/16/2023
Notes	Peak Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
4824.00	H	52.55		4.87	34.28	-39.31	52.39	416.33	5000.00	-21.59
	V	50.78		4.87	34.28	-39.31	50.62	339.57	5000.00	-23.36
12060.00	H	48.49	*	7.05	38.83	-39.14	55.23	577.45	5000.00	-18.75
	V	49.80	*	7.05	38.83	-39.14	56.54	671.45	5000.00	-17.44
14472.00	H	47.99	*	7.43	39.42	-38.28	56.55	672.38	5000.00	-17.43
	V	48.64	*	7.43	39.42	-38.28	57.20	724.63	5000.00	-16.78
19296.00	H	36.50	*	2.21	40.38	-27.87	51.23	364.26	5000.00	-22.75
	V	36.61	*	2.21	40.38	-27.87	51.34	368.91	5000.00	-22.64

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2412MHz
Date Tested	8/16/2023
Notes	Average Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
4824.00	H	38.52		4.87	34.28	-39.31	0.00	38.36	82.78	500.00	-15.62
	V	39.32		4.87	34.28	-39.31	0.00	39.16	90.77	500.00	-14.82
12060.00	H	37.47	*	7.05	38.83	-39.14	0.00	44.21	162.37	500.00	-9.77
	V	38.17	*	7.05	38.83	-39.14	0.00	44.91	176.00	500.00	-9.07
14472.00	H	37.59	*	7.43	39.42	-38.28	0.00	46.15	203.06	500.00	-7.83
	V	37.69	*	7.43	39.42	-38.28	0.00	46.25	205.41	500.00	-7.73
19296.00	H	20.73	*	2.21	40.38	-27.87	0.00	35.46	59.28	500.00	-18.52
	V	21.29	*	2.21	40.38	-27.87	0.00	36.02	63.23	500.00	-17.96

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2412MHz
Date Tested	8/16/2023
Notes	Peak Measurements in Non-Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2412.00	H	69.69		3.39	32.59	0.00	105.66	191967.44	NA	NA
	V	69.56		3.39	32.59	0.00	105.53	189115.69	NA	NA
7236.00	H	53.82	*	5.87	36.27	-39.42	56.54	671.07	19196.74	-29.13
	V	49.32	*	5.87	36.27	-39.42	52.04	399.73	19196.74	-33.63
9648.00	H	37.91	*	6.30	37.18	-39.27	42.12	127.60	19196.74	-43.55
	V	36.91	*	6.30	37.18	-39.27	41.12	113.72	19196.74	-44.55
16884.00	H	36.59	*	7.73	42.27	-37.49	49.11	285.29	19196.74	-36.56
	V	37.25	*	7.73	42.27	-37.49	49.77	307.81	19196.74	-35.90
21708.00	H	25.50	*	2.23	40.56	-28.69	39.61	95.62	19196.74	-46.05
	V	25.30	*	2.23	40.56	-28.69	39.41	93.44	19196.74	-46.25
24120.00	H	22.04	*	2.24	40.62	-29.36	35.54	59.82	19196.74	-50.13
	V	22.19	*	2.24	40.62	-29.36	35.69	60.86	19196.74	-49.98

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2437MHz
Date Tested	8/16/2023
Notes	Peak Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
4874.00	H	52.57		4.99	34.21	-39.33	52.45	419.29	5000.00	-21.53
	V	50.66		4.99	34.21	-39.33	50.54	336.53	5000.00	-23.44
7311.00	H	61.85		5.84	36.27	-39.42	64.53	1684.99	5000.00	-9.45
	V	61.40		5.84	36.27	-39.42	64.08	1599.91	5000.00	-9.90
12185.00	H	48.71	*	7.13	38.85	-39.09	55.60	602.41	5000.00	-18.38
	V	48.47	*	7.13	38.85	-39.09	55.36	585.99	5000.00	-18.62
19496.00	H	34.61	*	2.22	40.39	-27.75	49.47	297.59	5000.00	-24.51
	V	35.48	*	2.22	40.39	-27.75	50.34	328.94	5000.00	-23.64

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2437MHz
Date Tested	8/16/2023
Notes	Average Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
4874.00	H	39.52		4.99	34.21	-39.33	0.00	39.40	93.34	500.00	-14.58
	V	37.94		4.99	34.21	-39.33	0.00	37.82	77.81	500.00	-16.16
7311.00	H	46.14		5.84	36.27	-39.42	0.00	48.82	276.12	500.00	-5.16
	V	45.89		5.84	36.27	-39.42	0.00	48.57	268.29	500.00	-5.41
12185.00	H	37.78	*	7.13	38.85	-39.09	0.00	44.67	171.16	500.00	-9.31
	V	37.41	*	7.13	38.85	-39.09	0.00	44.30	164.02	500.00	-9.68
19496.00	H	19.37	*	2.22	40.39	-27.75	0.00	34.23	51.48	500.00	-19.75
	V	20.00	*	2.22	40.39	-27.75	0.00	34.86	55.35	500.00	-19.12

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2437MHz
Date Tested	8/16/2023
Notes	Peak Measurements in Non-Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2437.00	H	70.32		3.39	32.63	0.00	106.34	207382.47		
	V	67.73		3.39	32.63	0.00	103.75	153911.84		
9748.00	H	38.89	*	6.36	37.22	-39.26	43.21	144.79	20738.25	-43.12
	V	38.67	*	6.36	37.22	-39.26	42.99	141.17	20738.25	-43.34
14622.00	H	37.49	*	7.30	39.49	-38.23	46.05	200.58	20738.25	-40.29
	V	37.58	*	7.30	39.49	-38.23	46.14	202.67	20738.25	-40.20
17059.00	H	37.08	*	7.66	42.43	-37.54	49.63	303.16	20738.25	-36.70
	V	37.31	*	7.66	42.43	-37.54	49.86	311.30	20738.25	-36.47
21933.00	H	25.35	*	2.21	40.58	-28.90	39.24	91.58	20738.25	-47.10
	V	25.71	*	2.21	40.58	-28.90	39.60	95.46	20738.25	-46.74
24370.00	H	25.26	*	2.23	40.63	-29.36	38.76	86.65	20738.25	-47.58
	V	25.16	*	2.23	40.63	-29.36	38.66	85.66	20738.25	-47.68

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2462MHz
Date Tested	8/16/2023
Notes	Peak Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
4924.00	H	48.95		5.12	34.16	-39.34	48.89	278.32	5000.00	-25.09
	V	49.01		5.12	34.16	-39.34	48.95	280.25	5000.00	-25.03
7386.00	H	58.68		5.87	36.30	-39.43	61.43	1178.63	5000.00	-12.55
	V	58.30		5.87	36.30	-39.43	61.05	1128.18	5000.00	-12.93
12310.00	H	48.89	*	7.25	38.85	-39.04	55.95	627.27	5000.00	-18.03
	V	48.01	*	7.25	38.85	-39.04	55.07	566.83	5000.00	-18.91
19696.00	H	34.94	*	2.23	40.40	-28.04	49.52	299.38	5000.00	-24.45
	V	36.03	*	2.23	40.40	-28.04	50.61	339.41	5000.00	-23.36
22158.00	H	36.40	*	2.21	40.58	-28.73	50.46	333.60	5000.00	-23.51
	V	36.90	*	2.21	40.58	-28.73	50.96	353.37	5000.00	-23.01

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2462MHz
Date Tested	8/16/2023
Notes	Average Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
4924.00	H	38.47		5.12	34.16	-39.34	0.00	38.41	83.28	500.00	-15.57
	V	38.29		5.12	34.16	-39.34	0.00	38.23	81.57	500.00	-15.75
7386.00	H	42.87		5.87	36.30	-39.43	0.00	45.62	190.93	500.00	-8.36
	V	43.00		5.87	36.30	-39.43	0.00	45.75	193.81	500.00	-8.23
12310.00	H	37.21	*	7.25	38.85	-39.04	0.00	44.27	163.48	500.00	-9.71
	V	37.42	*	7.25	38.85	-39.04	0.00	44.48	167.48	500.00	-9.50
19696.00	H	20.02	*	2.23	40.40	-28.04	0.00	34.60	53.73	500.00	-19.37
	V	20.58	*	2.23	40.40	-28.04	0.00	35.16	57.31	500.00	-18.81
22158.00	H	21.05	*	2.21	40.58	-28.73	0.00	35.11	56.98	500.00	-18.86
	V	20.94	*	2.21	40.58	-28.73	0.00	35.00	56.26	500.00	-18.97

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2462MHz
Date Tested	8/16/2023
Notes	Peak Measurements in Non-Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2462.00	H	70.08		3.39	32.67	0.00	106.14	202872.35	NA	NA
	V	67.82		3.39	32.67	0.00	103.88	156395.00	NA	NA
9848.00	H	38.31	*	6.42	37.20	-39.25	42.68	136.17	20287.24	-43.46
	V	38.87	*	6.42	37.20	-39.25	43.24	145.24	20287.24	-42.90
14772.00	H	36.88	*	7.49	39.70	-38.19	45.87	196.64	20287.24	-40.27
	V	39.08	*	7.49	39.70	-38.19	48.07	253.32	20287.24	-38.07
17234.00	H	37.02	*	7.52	42.49	-37.65	49.38	294.43	20287.24	-36.76
	V	37.26	*	7.52	42.49	-37.65	49.62	302.68	20287.24	-36.52
24620.00	H	25.54	*	2.22	40.64	-29.01	39.38	93.16	20287.24	-46.76
	V	25.07	*	2.22	40.64	-29.01	38.91	88.25	20287.24	-47.23

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2412MHz
Date Tested	8/17/2023
Notes	Peak Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
4824.00	H	55.86		4.87	34.28	-39.31	55.70	609.44	5000.00	-18.28
	V	52.00		4.87	34.28	-39.31	51.84	390.78	5000.00	-22.14
12060.00	H	49.77	*	7.05	38.83	-39.14	56.51	669.13	5000.00	-17.47
	V	49.01	*	7.05	38.83	-39.14	55.75	613.07	5000.00	-18.23
14472.00	H	48.54	*	7.43	39.42	-38.28	57.10	716.33	5000.00	-16.88
	V	48.02	*	7.43	39.42	-38.28	56.58	674.71	5000.00	-17.40
19296.00	H	36.38	*	2.21	40.38	-27.87	51.11	359.27	5000.00	-22.87
	V	36.44	*	2.21	40.38	-27.87	51.17	361.76	5000.00	-22.81

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2412MHz
Date Tested	8/17/2023
Notes	Average Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
4824.00	H	42.10		4.87	34.28	-39.31	0.00	41.94	125.01	500.00	-12.04
	V	39.26		4.87	34.28	-39.31	0.00	39.10	90.14	500.00	-14.88
12060.00	H	36.79	*	7.05	38.83	-39.14	0.00	43.53	150.15	500.00	-10.45
	V	36.59	*	7.05	38.83	-39.14	0.00	43.33	146.73	500.00	-10.65
14472.00	H	36.70	*	7.43	39.42	-38.28	0.00	45.26	183.28	500.00	-8.72
	V	37.63	*	7.43	39.42	-38.28	0.00	46.19	203.99	500.00	-7.79
19296.00	H	20.92	*	2.21	40.38	-27.87	0.00	35.65	60.59	500.00	-18.33
	V	21.21	*	2.21	40.38	-27.87	0.00	35.94	62.65	500.00	-18.04

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2412MHz
Date Tested	8/17/2023
Notes	Peak Measurements in Non-Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2412.00	H	70.84		3.39	32.59	0.00	106.81	219142.98	NA	NA
	V	65.09		3.39	32.59	0.00	101.06	113038.81	NA	NA
7236.00	H	54.62		5.87	36.27	-39.42	57.34	735.82	21914.30	-29.48
	V	53.40		5.87	36.27	-39.42	56.12	639.40	21914.30	-30.70
9648.00	H	37.86	*	6.30	37.18	-39.27	42.07	126.86	21914.30	-44.75
	V	37.28	*	6.30	37.18	-39.27	41.49	118.67	21914.30	-45.33
16884.00	H	37.00	*	7.73	42.27	-37.49	49.52	299.07	21914.30	-37.30
	V	37.48	*	7.73	42.27	-37.49	50.00	316.07	21914.30	-36.82
21708.00	H	25.61	*	2.23	40.56	-28.69	39.72	96.84	21914.30	-47.09
	V	25.79	*	2.23	40.56	-28.69	39.90	98.87	21914.30	-46.91
24120.00	H	21.25	*	2.24	40.62	-29.36	34.75	54.62	21914.30	-52.07
	V	22.18	*	2.24	40.62	-29.36	35.68	60.79	21914.30	-51.14

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2437MHz
Date Tested	8/17/2023
Notes	Peak Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
4874.00	H	54.13		4.99	34.21	-39.33	54.01	501.79	5000.00	-19.97
	V	48.35		4.99	34.21	-39.33	48.23	257.94	5000.00	-25.75
7311.00	H	68.02		5.84	36.27	-39.42	70.70	3428.44	5000.00	-3.28
	V	63.75		5.84	36.27	-39.42	66.43	2096.99	5000.00	-7.55
12185.00	H	47.73	*	7.13	38.85	-39.09	54.62	538.14	5000.00	-19.36
	V	49.13	*	7.13	38.85	-39.09	56.02	632.26	5000.00	-17.96
19496.00	H	34.84	*	2.22	40.39	-27.75	49.70	305.58	5000.00	-24.28
	V	35.49	*	2.22	40.39	-27.75	50.35	329.32	5000.00	-23.63

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2437MHz
Date Tested	8/17/2023
Notes	Average Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
4874.00	H	42.39		4.99	34.21	-39.33	0.00	42.27	129.87	500.00	-11.71
	V	38.55		4.99	34.21	-39.33	0.00	38.43	83.47	500.00	-15.55
7311.00	H	50.01		5.84	36.27	-39.42	0.00	52.69	431.12	500.00	-1.29
	V	45.49		5.84	36.27	-39.42	0.00	48.17	256.21	500.00	-5.81
12185.00	H	37.54	*	7.13	38.85	-39.09	0.00	44.43	166.49	500.00	-9.55
	V	37.61	*	7.13	38.85	-39.09	0.00	44.50	167.84	500.00	-9.48
19496.00	H	19.36	*	2.22	40.39	-27.75	0.00	34.22	51.42	500.00	-19.76
	V	20.22	*	2.22	40.39	-27.75	0.00	35.08	56.77	500.00	-18.90

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2437MHz
Date Tested	8/17/2023
Notes	Peak Measurements in Non-Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2437.00	H	70.03		3.39	32.63	0.00	106.05	200572.80		
	V	65.58		3.39	32.63	0.00	101.60	120163.35		
9748.00	H	36.85	*	6.36	37.22	-39.26	41.17	114.48	20057.28	-44.87
	V	38.06	*	6.36	37.22	-39.26	42.38	131.59	20057.28	-43.66
14622.00	H	37.63	*	7.30	39.49	-38.23	46.19	203.84	20057.28	-39.86
	V	37.26	*	7.30	39.49	-38.23	45.82	195.34	20057.28	-40.23
17059.00	H	36.68	*	7.66	42.43	-37.54	49.23	289.52	20057.28	-36.81
	V	37.54	*	7.66	42.43	-37.54	50.09	319.65	20057.28	-35.95
21933.00	H	24.66	*	2.21	40.58	-28.90	38.55	84.59	20057.28	-47.50
	V	24.75	*	2.21	40.58	-28.90	38.64	85.47	20057.28	-47.41
24370.00	H	25.14	*	2.23	40.63	-29.36	38.64	85.47	20057.28	-47.41
	V	25.10	*	2.23	40.63	-29.36	38.60	85.07	20057.28	-47.45

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2462MHz
Date Tested	8/17/2023
Notes	Peak Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
4924.00	H	48.70		5.12	34.16	-39.34	48.64	270.42	5000.00	-25.34
	V	49.62		5.12	34.16	-39.34	49.56	300.63	5000.00	-24.42
7386.00	H	62.08		5.87	36.30	-39.43	64.83	1743.32	5000.00	-9.15
	V	60.44		5.87	36.30	-39.43	63.19	1443.37	5000.00	-10.79
12310.00	H	48.08	*	7.25	38.85	-39.04	55.14	571.42	5000.00	-18.84
	V	48.17	*	7.25	38.85	-39.04	55.23	577.37	5000.00	-18.75
19696.00	H	35.84	*	2.23	40.40	-28.04	50.42	332.06	5000.00	-23.55
	V	36.81	*	2.23	40.40	-28.04	51.39	371.30	5000.00	-22.58
22158.00	H	36.42	*	2.21	40.58	-28.73	50.48	334.37	5000.00	-23.49
	V	36.63	*	2.21	40.58	-28.73	50.69	342.55	5000.00	-23.28

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2462MHz
Date Tested	8/17/2023
Notes	Average Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
4924.00	H	43.26		5.12	34.16	-39.34	0.00	43.20	144.56	500.00	-10.78
	V	42.67		5.12	34.16	-39.34	0.00	42.61	135.06	500.00	-11.37
7386.00	H	44.92		5.87	36.30	-39.43	0.00	47.67	241.76	500.00	-6.31
	V	40.76		5.87	36.30	-39.43	0.00	43.51	149.75	500.00	-10.47
12310.00	H	37.42	*	7.25	38.85	-39.04	0.00	44.48	167.48	500.00	-9.50
	V	37.35	*	7.25	38.85	-39.04	0.00	44.41	166.13	500.00	-9.57
19696.00	H	20.86	*	2.23	40.40	-28.04	0.00	35.44	59.19	500.00	-18.53
	V	21.10	*	2.23	40.40	-28.04	0.00	35.68	60.84	500.00	-18.29
22158.00	H	21.09	*	2.21	40.58	-28.73	0.00	35.15	57.24	500.00	-18.82
	V	21.16	*	2.21	40.58	-28.73	0.00	35.22	57.71	500.00	-18.75

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2462MHz
Date Tested	8/17/2023
Notes	Peak Measurements in Non-Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2462.00	H	68.80		3.39	32.67	0.00	104.86	175074.49	NA	NA
	V	66.93		3.39	32.67	0.00	102.99	141163.65	NA	NA
9848.00	H	37.55	*	6.42	37.20	-39.25	41.92	124.76	17507.45	-42.94
	V	37.59	*	6.42	37.20	-39.25	41.96	125.34	17507.45	-42.90
14772.00	H	37.30	*	7.49	39.70	-38.19	46.29	206.38	17507.45	-38.57
	V	37.93	*	7.49	39.70	-38.19	46.92	221.91	17507.45	-37.94
17234.00	H	37.80	*	7.52	42.49	-37.65	50.16	322.10	17507.45	-34.70
	V	37.61	*	7.52	42.49	-37.65	49.97	315.13	17507.45	-34.89
24620.00	H	25.90	*	2.22	40.64	-29.01	39.74	97.10	17507.45	-45.12
	V	25.48	*	2.22	40.64	-29.01	39.32	92.52	17507.45	-45.54

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2422MHz
Date Tested	8/17/2023
Notes	Peak Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
4844.00	H	55.70		4.92	34.25	-39.32	55.55	599.43	5000.00	-18.42
	V	50.05		4.92	34.25	-39.32	49.90	312.78	5000.00	-24.07
7266.00	H	64.08		5.85	36.26	-39.42	66.77	2180.06	5000.00	-7.21
	V	63.02		5.85	36.26	-39.42	65.71	1929.61	5000.00	-8.27
12110.00	H	48.59	*	7.00	38.83	-39.12	55.30	582.27	5000.00	-18.68
	V	49.20	*	7.00	38.83	-39.12	55.91	624.63	5000.00	-18.07
19376.00	H	36.32	*	2.22	40.39	-27.85	51.07	357.66	5000.00	-22.91
	V	36.71	*	2.22	40.39	-27.85	51.46	374.09	5000.00	-22.52

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2422MHz
Date Tested	8/17/2023
Notes	Average Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
4844.00	H	44.52		4.92	34.25	-39.32	0.00	44.37	165.48	500.00	-9.60
	V	40.39		4.92	34.25	-39.32	0.00	40.24	102.86	500.00	-13.73
7266.00	H	50.83		5.85	36.26	-39.42	0.00	53.52	474.21	500.00	-0.46
	V	50.48		5.85	36.26	-39.42	0.00	53.17	455.48	500.00	-0.81
12110.00	H	37.47	*	7.00	38.83	-39.12	0.00	44.18	161.85	500.00	-9.80
	V	37.60	*	7.00	38.83	-39.12	0.00	44.31	164.30	500.00	-9.67
19376.00	H	20.98	*	2.22	40.39	-27.85	0.00	35.73	61.16	500.00	-18.25
	V	21.36	*	2.22	40.39	-27.85	0.00	36.11	63.90	500.00	-17.87

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2422MHz
Date Tested	8/17/2023
Notes	Peak Measurements in Non-Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2422.00	H	68.79		3.39	32.60	0.00	104.78	173399.52	NA	NA
	V	66.66		3.39	32.60	0.00	102.65	135690.01	NA	NA
9688.00	H	37.62	*	6.32	37.21	-39.26	41.89	124.27	17339.95	-42.89
	V	36.96	*	6.32	37.21	-39.26	41.23	115.17	17339.95	-43.55
14532.00	H	38.57	*	7.35	39.43	-38.26	47.09	226.30	17339.95	-37.69
	V	37.49	*	7.35	39.43	-38.26	46.01	199.84	17339.95	-38.77
16954.00	H	37.35	*	7.71	42.35	-37.50	49.92	313.18	17339.95	-34.87
	V	37.44	*	7.71	42.35	-37.50	50.01	316.44	17339.95	-34.78
21798.00	H	25.22	*	2.22	40.57	-28.81	39.20	91.17	17339.95	-45.58
	V	25.66	*	2.22	40.57	-28.81	39.64	95.91	17339.95	-45.14
24220.00	H	26.19	*	2.23	40.63	-29.44	39.61	95.63	17339.95	-45.17
	V	25.51	*	2.23	40.63	-29.44	38.93	88.43	17339.95	-45.85

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2437MHz
Date Tested	8/17/2023
Notes	Peak Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
4874.00	H	53.14		4.99	34.21	-39.33	53.02	447.73	5000.00	-20.96
	V	49.22		4.99	34.21	-39.33	49.10	285.11	5000.00	-24.88
7311.00	H	64.91		5.84	36.27	-39.42	67.59	2396.61	5000.00	-6.39
	V	61.35		5.84	36.27	-39.42	64.03	1590.73	5000.00	-9.95
12185.00	H	48.25	*	7.13	38.85	-39.09	55.14	571.34	5000.00	-18.84
	V	48.67	*	7.13	38.85	-39.09	55.56	599.64	5000.00	-18.42
19496.00	H	35.43	*	2.22	40.39	-27.75	50.29	327.05	5000.00	-23.69
	V	34.70	*	2.22	40.39	-27.75	49.56	300.69	5000.00	-24.42

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2437MHz
Date Tested	8/17/2023
Notes	Average Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
4874.00	H	40.97		4.99	34.21	-39.33	0.00	40.85	110.29	500.00	-13.13
	V	39.71		4.99	34.21	-39.33	0.00	39.59	95.39	500.00	-14.39
7311.00	H	50.96		5.84	36.27	-39.42	0.00	53.64	480.95	500.00	-0.34
	V	48.87		5.84	36.27	-39.42	0.00	51.55	378.09	500.00	-2.43
12185.00	H	36.78	*	7.13	38.85	-39.09	0.00	43.67	152.54	500.00	-10.31
	V	36.83	*	7.13	38.85	-39.09	0.00	43.72	153.42	500.00	-10.26
19496.00	H	20.00	*	2.22	40.39	-27.75	0.00	34.86	55.35	500.00	-19.12
	V	19.89	*	2.22	40.39	-27.75	0.00	34.75	54.65	500.00	-19.23

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2437MHz
Date Tested	8/17/2023
Notes	Peak Measurements in Non-Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2437.00	H	66.76		3.39	32.63	0.00	102.78	137648.67	NA	NA
	V	66.14		3.39	32.63	0.00	102.16	128165.76	NA	NA
9748.00	H	38.04	*	6.36	37.22	-39.26	42.36	131.29	13764.87	-40.41
	V	39.00	*	6.36	37.22	-39.26	43.32	146.63	13764.87	-39.45
14622.00	H	37.27	*	7.30	39.49	-38.23	45.83	195.57	13764.87	-36.95
	V	37.87	*	7.30	39.49	-38.23	46.43	209.55	13764.87	-36.35
17059.00	H	36.88	*	7.66	42.43	-37.54	49.43	296.26	13764.87	-33.34
	V	37.47	*	7.66	42.43	-37.54	50.02	317.08	13764.87	-32.75
21933.00	H	24.76	*	2.21	40.58	-28.90	38.65	85.57	13764.87	-44.13
	V	24.88	*	2.21	40.58	-28.90	38.77	86.76	13764.87	-44.01
24370.00	H	24.68	*	2.23	40.63	-29.36	38.18	81.06	13764.87	-44.60
	V	24.45	*	2.23	40.63	-29.36	37.95	78.94	13764.87	-44.83

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2452MHz
Date Tested	8/17/2023
Notes	Peak Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
4904.00	H	48.56		5.07	34.17	-39.33	48.47	265.13	5000.00	-25.51
	V	48.29		5.07	34.17	-39.33	48.20	257.02	5000.00	-25.78
7356.00	H	59.38		5.86	36.28	-39.43	62.09	1272.37	5000.00	-11.89
	V	54.54		5.86	36.28	-39.43	57.25	728.81	5000.00	-16.73
12260.00	H	48.20	*	7.33	38.85	-39.06	55.32	583.21	5000.00	-18.66
	V	47.81	*	7.33	38.85	-39.06	54.93	557.60	5000.00	-19.05
19616.00	H	36.18	*	2.22	40.39	-27.81	50.99	354.27	5000.00	-22.99
	V	35.94	*	2.22	40.39	-27.81	50.75	344.61	5000.00	-23.23
22068.00	H	35.05	*	2.21	40.58	-28.80	49.04	283.11	5000.00	-24.94
	V	35.76	*	2.21	40.58	-28.80	49.75	307.23	5000.00	-24.23

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2452MHz
Date Tested	8/17/2023
Notes	Average Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
4904.00	H	38.36		5.07	34.17	-39.33	0.00	38.27	81.93	500.00	-15.71
	V	38.19		5.07	34.17	-39.33	0.00	38.10	80.34	500.00	-15.88
7356.00	H	46.73		5.86	36.28	-39.43	0.00	49.44	296.56	500.00	-4.54
	V	43.36		5.86	36.28	-39.43	0.00	46.07	201.19	500.00	-7.91
12260.00	H	37.75	*	7.33	38.85	-39.06	0.00	44.87	175.11	500.00	-9.11
	V	37.55	*	7.33	38.85	-39.06	0.00	44.67	171.13	500.00	-9.31
19616.00	H	20.95	*	2.22	40.39	-27.81	0.00	35.76	61.35	500.00	-18.22
	V	20.75	*	2.22	40.39	-27.81	0.00	35.56	59.96	500.00	-18.42
22068.00	H	20.07	*	2.21	40.58	-28.80	0.00	34.06	50.46	500.00	-19.92
	V	20.23	*	2.21	40.58	-28.80	0.00	34.22	51.40	500.00	-19.76

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2452MHz
Date Tested	8/17/2023
Notes	Peak Measurements in Non-Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2452.00	H	66.94		3.39	32.65	0.00	102.98	140948.36	NA	NA
	V	66.23		3.39	32.65	0.00	102.27	129885.31	NA	NA
9808.00	H	37.26	*	6.39	37.22	-39.25	41.63	120.63	14094.84	-41.35
	V	37.65	*	6.39	37.22	-39.25	42.02	126.17	14094.84	-40.96
14712.00	H	37.39	*	7.41	39.59	-38.21	46.19	203.86	14094.84	-36.79
	V	37.17	*	7.41	39.59	-38.21	45.97	198.76	14094.84	-37.01
17164.00	H	37.68	*	7.57	42.47	-37.61	50.11	320.15	14094.84	-32.87
	V	38.00	*	7.57	42.47	-37.61	50.43	332.17	14094.84	-32.55
24520.00	H	26.43	*	2.22	40.64	-28.82	40.46	105.48	14094.84	-42.52
	V	25.31	*	2.22	40.64	-28.82	39.34	92.72	14094.84	-43.64

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2422MHz
Date Tested	8/17/2023
Notes	Peak Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
4844.00	H	53.58		4.92	34.25	-39.32	53.43	469.61	5000.00	-20.54
	V	51.70		4.92	34.25	-39.32	51.55	378.21	5000.00	-22.42
7266.00	H	64.41		5.85	36.26	-39.42	67.10	2264.48	5000.00	-6.88
	V	63.45		5.85	36.26	-39.42	66.14	2027.54	5000.00	-7.84
12110.00	H	48.78	*	7.00	38.83	-39.12	55.49	595.15	5000.00	-18.49
	V	48.23	*	7.00	38.83	-39.12	54.94	558.63	5000.00	-19.04
19376.00	H	36.63	*	2.22	40.39	-27.85	51.38	370.66	5000.00	-22.60
	V	36.33	*	2.22	40.39	-27.85	51.08	358.07	5000.00	-22.90

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2422MHz
Date Tested	8/17/2023
Notes	Average Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
4844.00	H	51.45		4.92	34.25	-39.32	0.00	51.30	367.48	500.00	-2.67
	V	48.81		4.92	34.25	-39.32	0.00	48.66	271.17	500.00	-5.31
7266.00	H	50.87		5.85	36.26	-39.42	0.00	53.56	476.40	500.00	-0.42
	V	50.94		5.85	36.26	-39.42	0.00	53.63	480.25	500.00	-0.35
12110.00	H	38.29	*	7.00	38.83	-39.12	0.00	45.00	177.88	500.00	-8.98
	V	38.39	*	7.00	38.83	-39.12	0.00	45.10	179.94	500.00	-8.88
19376.00	H	21.14	*	2.22	40.39	-27.85	0.00	35.89	62.30	500.00	-18.09
	V	21.34	*	2.22	40.39	-27.85	0.00	36.09	63.75	500.00	-17.89

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2422MHz
Date Tested	8/17/2023
Notes	Peak Measurements in Non-Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2422.00	H	67.39		3.39	32.60	0.00	103.38	147586.92	NA	NA
	V	67.40		3.39	32.60	0.00	103.39	147756.94	NA	NA
9688.00	H	37.72	*	6.32	37.21	-39.26	41.99	125.71	14775.69	-41.40
	V	38.38	*	6.32	37.21	-39.26	42.65	135.63	14775.69	-40.74
14532.00	H	39.12	*	7.35	39.43	-38.26	47.64	241.09	14775.69	-35.75
	V	38.50	*	7.35	39.43	-38.26	47.02	224.48	14775.69	-36.37
16954.00	H	37.86	*	7.71	42.35	-37.50	50.43	332.11	14775.69	-32.97
	V	37.05	*	7.71	42.35	-37.50	49.62	302.54	14775.69	-33.78
21798.00	H	25.72	*	2.22	40.57	-28.81	39.70	96.57	14775.69	-43.69
	V	25.53	*	2.22	40.57	-28.81	39.51	94.48	14775.69	-43.88
24220.00	H	25.28	*	2.23	40.63	-29.44	38.70	86.11	14775.69	-44.69
	V	25.76	*	2.23	40.63	-29.44	39.18	91.01	14775.69	-44.21

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2437MHz
Date Tested	8/17/2023
Notes	Peak Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
4874.00	H	53.76		4.99	34.21	-39.33	53.64	480.86	5000.00	-20.34
	V	49.98		4.99	34.21	-39.33	49.86	311.18	5000.00	-24.12
7311.00	H	61.64		5.84	36.27	-39.42	64.32	1644.74	5000.00	-9.66
	V	61.35		5.84	36.27	-39.42	64.03	1590.73	5000.00	-9.95
12185.00	H	48.19	*	7.13	38.85	-39.09	55.08	567.40	5000.00	-18.90
	V	48.45	*	7.13	38.85	-39.09	55.34	584.65	5000.00	-18.64
19496.00	H	35.05	*	2.22	40.39	-27.75	49.91	313.05	5000.00	-24.07
	V	35.78	*	2.22	40.39	-27.75	50.64	340.50	5000.00	-23.34

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2437MHz
Date Tested	8/17/2023
Notes	Average Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
4874.00	H	41.12		4.99	34.21	-39.33	0.00	41.00	112.21	500.00	-12.98
	V	39.03		4.99	34.21	-39.33	0.00	38.91	88.21	500.00	-15.07
7311.00	H	48.85		5.84	36.27	-39.42	0.00	51.53	377.22	500.00	-2.45
	V	48.43		5.84	36.27	-39.42	0.00	51.11	359.42	500.00	-2.87
12185.00	H	37.46	*	7.13	38.85	-39.09	0.00	44.35	164.97	500.00	-9.63
	V	38.14	*	7.13	38.85	-39.09	0.00	45.03	178.40	500.00	-8.95
19496.00	H	19.93	*	2.22	40.39	-27.75	0.00	34.79	54.91	500.00	-19.19
	V	20.34	*	2.22	40.39	-27.75	0.00	35.20	57.56	500.00	-18.78

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2437MHz
Date Tested	8/17/2023
Notes	Peak Measurements in Non-Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2437.00	H	65.33		3.39	32.63	0.00	101.35	116754.07	NA	NA
	V	65.57		3.39	32.63	0.00	101.59	120025.09	NA	NA
9748.00	H	38.13	*	6.36	37.22	-39.26	42.45	132.66	12002.51	-39.13
	V	38.29	*	6.36	37.22	-39.26	42.61	135.12	12002.51	-38.97
14622.00	H	38.59	*	7.30	39.49	-38.23	47.15	227.66	12002.51	-34.44
	V	38.64	*	7.30	39.49	-38.23	47.20	228.98	12002.51	-34.39
17059.00	H	37.44	*	7.66	42.43	-37.54	49.99	315.99	12002.51	-31.59
	V	37.17	*	7.66	42.43	-37.54	49.72	306.32	12002.51	-31.86
21933.00	H	24.95	*	2.21	40.58	-28.90	38.84	87.46	12002.51	-42.75
	V	25.43	*	2.21	40.58	-28.90	39.32	92.43	12002.51	-42.27
24370.00	H	25.20	*	2.23	40.63	-29.36	38.70	86.06	12002.51	-42.89
	V	25.88	*	2.23	40.63	-29.36	39.38	93.07	12002.51	-42.21

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2452MHz
Date Tested	8/17/2023
Notes	Peak Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
4904.00	H	51.23		5.07	34.17	-39.33	51.14	360.54	5000.00	-22.84
	V	49.28		5.07	34.17	-39.33	49.19	288.04	5000.00	-24.79
7356.00	H	57.51		5.86	36.28	-39.43	60.22	1025.92	5000.00	-13.76
	V	57.07		5.86	36.28	-39.43	59.78	975.25	5000.00	-14.20
12260.00	H	48.52	*	7.33	38.85	-39.06	55.64	605.09	5000.00	-18.34
	V	48.46	*	7.33	38.85	-39.06	55.58	600.93	5000.00	-18.40
19616.00	H	35.79	*	2.22	40.39	-27.81	50.60	338.71	5000.00	-23.38
	V	35.85	*	2.22	40.39	-27.81	50.66	341.06	5000.00	-23.32
22068.00	H	35.46	*	2.21	40.58	-28.80	49.45	296.80	5000.00	-24.53
	V	35.29	*	2.21	40.58	-28.80	49.28	291.04	5000.00	-24.70

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2452MHz
Date Tested	8/17/2023
Notes	Average Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
4904.00	H	38.97		5.07	34.17	-39.33	0.00	38.88	87.89	500.00	-15.10
	V	38.28		5.07	34.17	-39.33	0.00	38.19	81.18	500.00	-15.79
7356.00	H	44.36		5.86	36.28	-39.43	0.00	47.07	225.74	500.00	-6.91
	V	42.63		5.86	36.28	-39.43	0.00	45.34	184.98	500.00	-8.64
12260.00	H	37.44	*	7.33	38.85	-39.06	0.00	44.56	168.97	500.00	-9.42
	V	37.57	*	7.33	38.85	-39.06	0.00	44.69	171.52	500.00	-9.29
19616.00	H	20.84	*	2.22	40.39	-27.81	0.00	35.65	60.58	500.00	-18.33
	V	20.83	*	2.22	40.39	-27.81	0.00	35.64	60.51	500.00	-18.34
22068.00	H	20.23	*	2.21	40.58	-28.80	0.00	34.22	51.40	500.00	-19.76
	V	19.99	*	2.21	40.58	-28.80	0.00	33.98	50.00	500.00	-20.00

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2452MHz
Date Tested	8/17/2023
Notes	Peak Measurements in Non-Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2452.00	H	68.66		3.39	32.65	0.00	104.70	171814.58	NA	NA
	V	68.77		3.39	32.65	0.00	104.81	174004.32	NA	NA
9808.00	H	38.29	*	6.39	37.22	-39.25	42.66	135.82	17400.43	-42.15
	V	38.37	*	6.39	37.22	-39.25	42.74	137.07	17400.43	-42.07
14712.00	H	37.15	*	7.41	39.59	-38.21	45.95	198.30	17400.43	-38.86
	V	38.41	*	7.41	39.59	-38.21	47.21	229.26	17400.43	-37.60
17164.00	H	37.16	*	7.57	42.47	-37.61	49.59	301.55	17400.43	-35.22
	V	37.99	*	7.57	42.47	-37.61	50.42	331.78	17400.43	-34.39
24520.00	H	25.52	*	2.22	40.64	-28.82	39.55	94.99	17400.43	-45.26
	V	25.04	*	2.22	40.64	-28.82	39.07	89.88	17400.43	-45.74

26. Band-Edge Compliance

EUT Information	
Manufacturer	Righthand Technologies Inc
Product	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx

Test Setup Details	
Setup Format	Tabletop
Height of Support	N/A
Measurement Method	Antenna Conducted
Type of Test Site	Workbench
Type of Antennas Used	N/A
Notes	None

Measurement Uncertainty	
Measurement Type	Expanded Measurement Uncertainty
Radiated disturbance (electric field strength on an open area test site or alternative test site) (1 GHz – 6 GHz)	3.1

Requirements
Per FCC 15.247, Section (d) and ISSED RSS-247, Section 5.5, in any 100 kHz bandwidth outside the frequency band in which the digitally modulated 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. Attenuation below the general limits specified in FCC 15.209, Section (a) and ISSED RSS-Gen is not required.

Procedure
1) Low Band Edge: a) Antenna Port 1 of the EUT was connected to the DUT 1 port of the Rohde & Schwarz OSP 120/OSP-B157 system via a coaxial cable and RF attenuator. Each antenna port of the EUT was connected to a separate port (DUT 2, DUT 3, and DUT 4) via separate coaxial cables and RF attenuators. b) Reference Level Measurement 1. Start Frequency = 2400MHz 2. Stop Frequency = 2483.5MHz 3. RBW = 100kHz 4. VBW = $\geq 3 \times \text{RBW}$ 5. Detector Mode = Max Peak 6. Trace Mode = Max Hold 7. Sweep Time = Auto c) Allow the trace to stabilize and use the peak marker function to determine the maximum level. d) Emission Level Measurement 1. Start Frequency = 2310MHz 2. Stop Frequency = 2400MHz 3. RBW = 100kHz

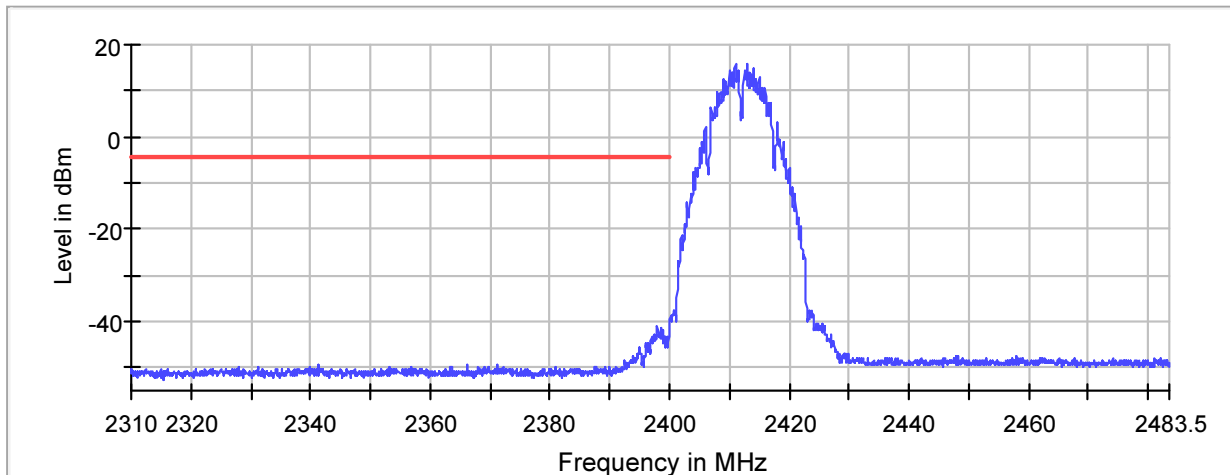
- 4. VBW = $\geq 3 \times \text{RBW}$
- 5. Detector Mode = Max Peak
- 6. Trace Mode = Max Hold
- 7. Sweep Time = Auto

- e) Allow the trace to stabilize and use the peak marker function to determine the maximum level.
 - f) The two sweeps were combined and plotted.
 - g) Ensure that the amplitude of all unwanted emissions are attenuated by at least 20dB.
- 2) High Band Edge:
- a) The EUT was setup inside the test chamber on a non-conductive stand and set to transmit continuously at the channel closest to the high band-edge.
 - b) A broadband measuring antenna was placed at a test distance of 3 meters from the EUT. The antenna was connected to the input of a spectrum analyzer.
 - c) The center frequency of the analyzer was set to the high band edge (2483.5MHz).
 - d) The Resolution Bandwidth was set to 1MHz.
 - e) To ensure that the maximum or worst-case emission level was measured, the following steps were taken:
 - o The EUT was rotated so that all of its sides were exposed to the receiving antenna.
 - o Since the measuring antenna is linearly polarized, both horizontal and vertical field components were measured.
 - o The EUT was rotated so that all of its sides were exposed to the receiving antenna.
 - o The measuring antenna was raised and lowered from 1 to 4 meters for each antenna polarization to maximize the readings.
 - o The highest measured peak reading and the highest measured average reading were recorded.

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2412MHz
Notes	Low Band Edge

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2397.975000	-40.7	36.6	-4.2	PASS
2397.925000	-41.1	37.0	-4.2	PASS
2398.475000	-41.4	37.3	-4.2	PASS
2398.525000	-41.5	37.3	-4.2	PASS
2398.425000	-41.9	37.8	-4.2	PASS
2398.975000	-41.9	37.8	-4.2	PASS
2398.025000	-42.1	38.0	-4.2	PASS
2399.925000	-42.3	38.1	-4.2	PASS
2398.675000	-42.3	38.1	-4.2	PASS
2399.975000	-42.3	38.1	-4.2	PASS
2399.875000	-42.5	38.4	-4.2	PASS
2398.575000	-42.6	38.4	-4.2	PASS
2398.625000	-42.6	38.4	-4.2	PASS
2398.075000	-42.6	38.5	-4.2	PASS
2397.475000	-42.6	38.5	-4.2	PASS

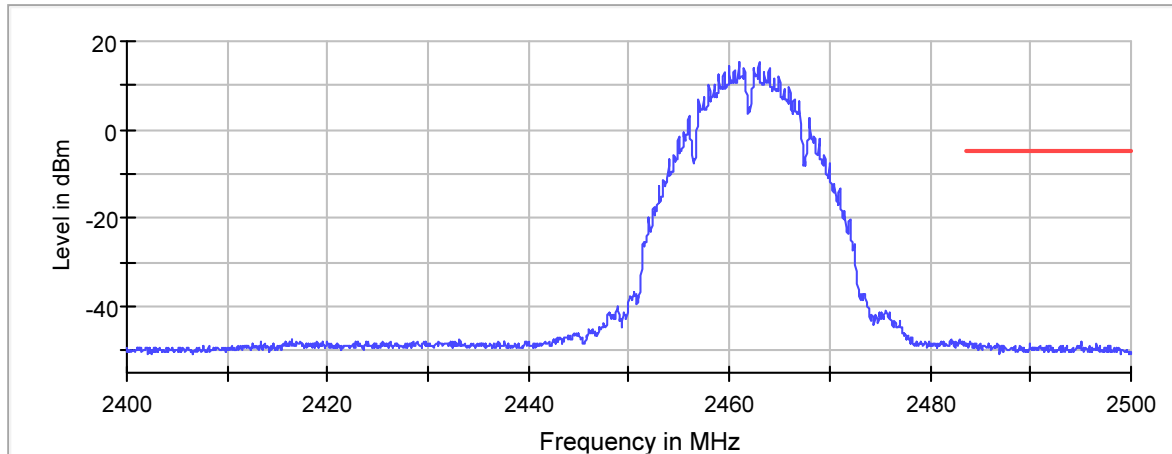
Band Edge



— Limit × Fail — Sum Level

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2462MHz
Notes	High Band Edge – Peak and Average Measurements

Band Edge



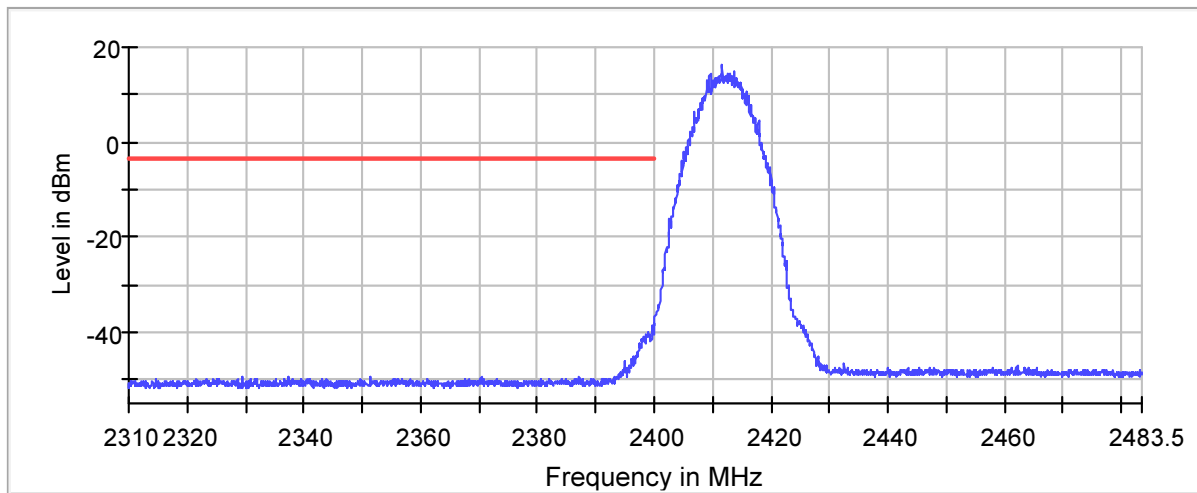
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2483.50	H	31.02		3.40	32.72	0.00	67.13	2273.56	5000.00	-6.85
	V	28.43		3.40	32.72	0.00	64.54	1687.36	5000.00	-9.44

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
2483.50	H	13.10		3.40	32.72	0.00	0.00	49.21	288.87	500.00	-4.77
	V	12.41		3.40	32.72	0.00	0.00	48.52	266.81	500.00	-5.46

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 11Mbps
Frequency Tested	2412MHz
Notes	Low Band Edge

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.975000	-38.2	34.6	-3.6	PASS
2399.925000	-38.4	34.9	-3.6	PASS
2399.625000	-38.5	34.9	-3.6	PASS
2399.575000	-38.7	35.2	-3.6	PASS
2399.675000	-38.8	35.2	-3.6	PASS
2399.725000	-39.0	35.5	-3.6	PASS
2399.875000	-39.1	35.6	-3.6	PASS
2399.775000	-39.8	36.2	-3.6	PASS
2399.025000	-40.1	36.6	-3.6	PASS
2398.975000	-40.2	36.6	-3.6	PASS
2399.825000	-40.3	36.8	-3.6	PASS
2399.275000	-40.4	36.8	-3.6	PASS
2398.925000	-40.4	36.8	-3.6	PASS
2398.875000	-40.4	36.9	-3.6	PASS
2399.525000	-40.4	36.9	-3.6	PASS

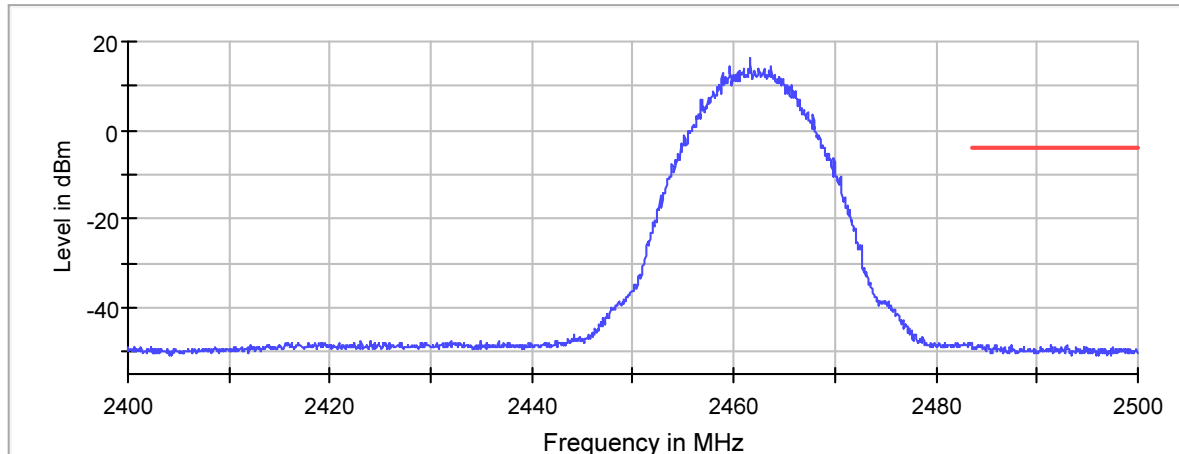
Band Edge



— Limit × Fail — Sum Level

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 11Mbps
Frequency Tested	2462MHz
Notes	High Band Edge – Peak and Average Measurements

Band Edge



— Limit × Fail — Sum Level

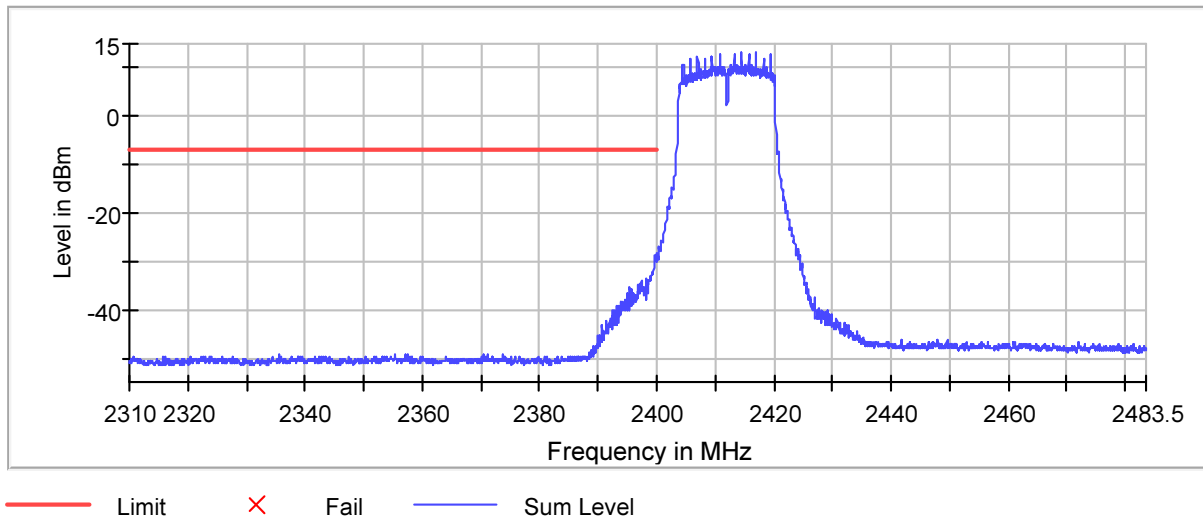
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2483.50	H	25.78	*	3.40	32.72	0.00	61.89	1243.68	5000.00	-12.09
	V	23.46	*	3.40	32.72	0.00	59.57	952.15	5000.00	-14.41

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
2483.50	H	13.10	*	3.40	32.72	0.00	0.00	49.21	288.87	500.00	-4.77
	V	12.58	*	3.40	32.72	0.00	0.00	48.69	272.09	500.00	-5.29

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2412MHz
Notes	Low Band Edge

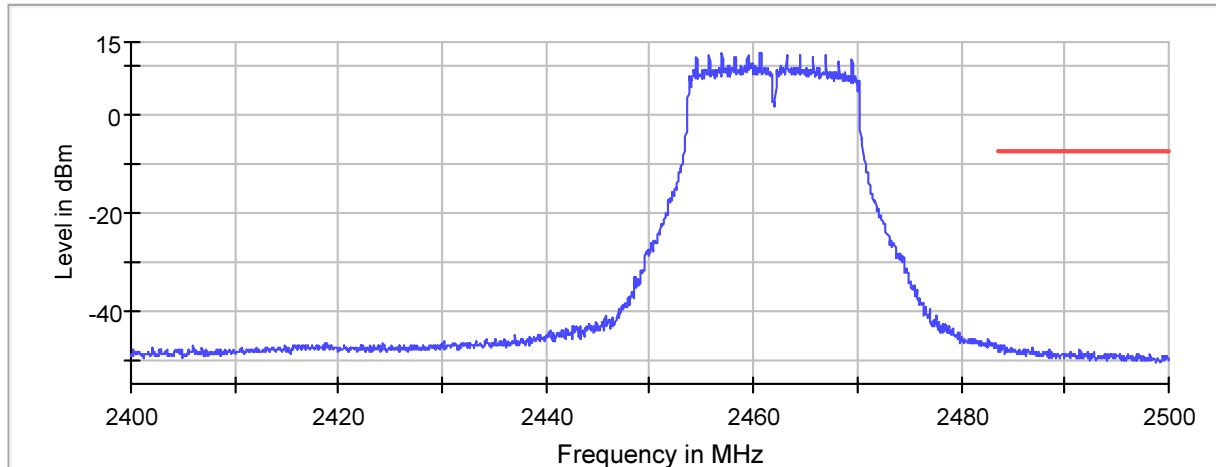
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.825000	-28.7	22.0	-6.7	PASS
2399.875000	-28.8	22.1	-6.7	PASS
2399.775000	-28.9	22.2	-6.7	PASS
2399.725000	-29.1	22.3	-6.7	PASS
2399.925000	-29.6	22.8	-6.7	PASS
2399.975000	-29.9	23.2	-6.7	PASS
2399.675000	-30.0	23.3	-6.7	PASS
2399.625000	-30.7	23.9	-6.7	PASS
2399.575000	-31.0	24.2	-6.7	PASS
2399.525000	-31.3	24.6	-6.7	PASS
2399.475000	-31.6	24.9	-6.7	PASS
2399.425000	-32.3	25.6	-6.7	PASS
2399.175000	-32.4	25.6	-6.7	PASS
2399.275000	-32.4	25.7	-6.7	PASS
2399.325000	-32.6	25.9	-6.7	PASS

Band Edge



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2462MHz
Notes	High Band Edge – Peak and Average Measurements

Band Edge



— Limit × Fail — Sum Level

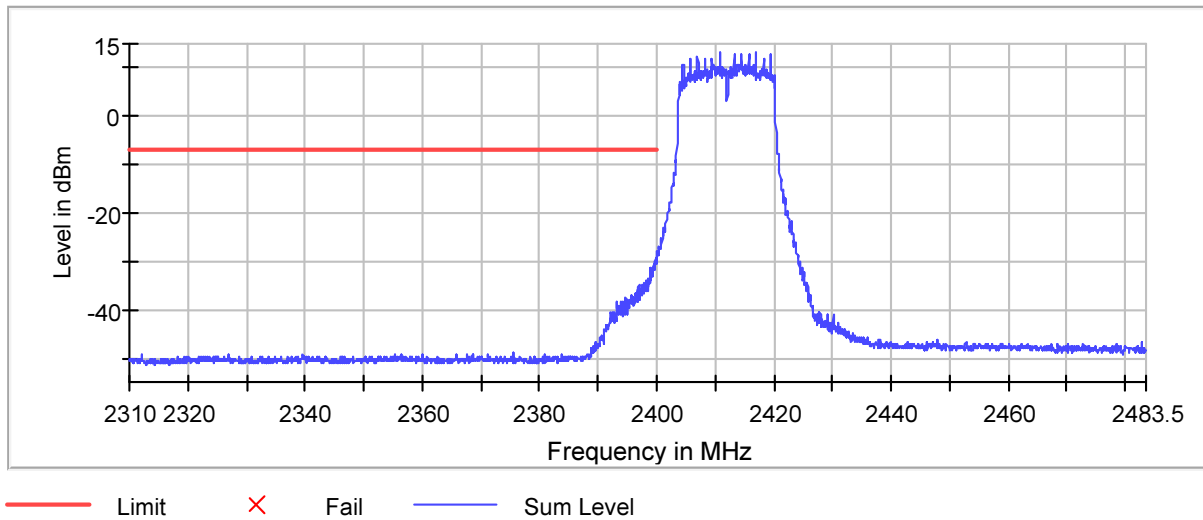
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2483.50	H	25.63	*	3.40	32.72	0.00	61.74	1222.38	5000.00	-12.24
	V	25.18	*	3.40	32.72	0.00	61.29	1160.67	5000.00	-12.69

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
2483.50	H	10.65	*	3.40	32.72	0.00	0.00	46.76	217.87	500.00	-7.22
	V	10.34	*	3.40	32.72	0.00	0.00	46.45	210.24	500.00	-7.53

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 54Mbps
Frequency Tested	2412MHz
Notes	Low Band Edge

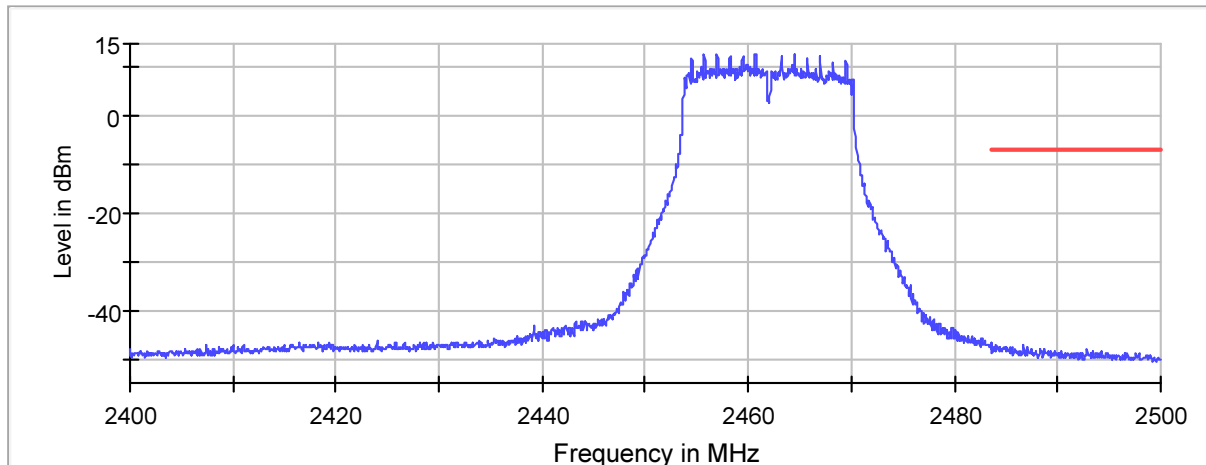
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.825000	-29.3	22.6	-6.7	PASS
2399.975000	-29.6	22.9	-6.7	PASS
2399.875000	-29.9	23.2	-6.7	PASS
2399.725000	-30.2	23.5	-6.7	PASS
2399.775000	-30.3	23.5	-6.7	PASS
2399.925000	-30.4	23.6	-6.7	PASS
2399.475000	-30.7	23.9	-6.7	PASS
2399.675000	-31.1	24.3	-6.7	PASS
2399.425000	-31.2	24.5	-6.7	PASS
2399.525000	-31.4	24.6	-6.7	PASS
2398.875000	-31.5	24.7	-6.7	PASS
2399.225000	-31.7	25.0	-6.7	PASS
2399.575000	-32.0	25.2	-6.7	PASS
2399.625000	-32.0	25.3	-6.7	PASS
2399.275000	-32.1	25.3	-6.7	PASS

Band Edge



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 54Mbps
Frequency Tested	2462MHz
Notes	High Band Edge – Peak and Average Measurements

Band Edge



— Limit × Fail — Sum Level

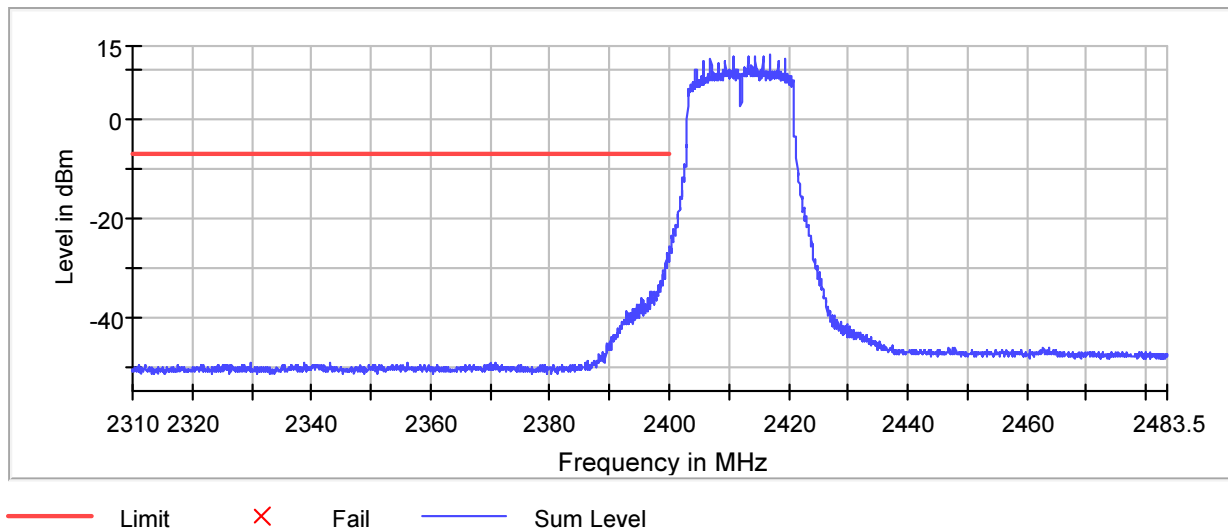
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2483.50	H	22.46	*	3.40	32.72	0.00	58.57	848.61	5000.00	-15.41
	V	22.68	*	3.40	32.72	0.00	58.79	870.38	5000.00	-15.19

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
2483.50	H	12.45	*	3.40	32.72	0.00	0.00	48.56	268.04	500.00	-5.42
	V	12.37	*	3.40	32.72	0.00	0.00	48.48	265.59	500.00	-5.50

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2412MHz
Notes	Low Band Edge

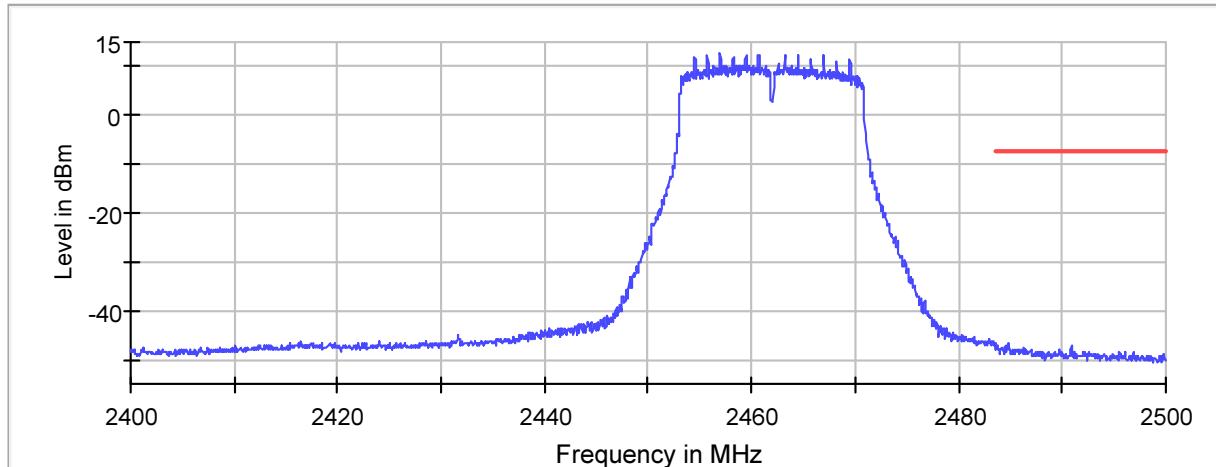
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.725000	-27.2	20.3	-6.9	PASS
2399.825000	-27.3	20.3	-6.9	PASS
2399.875000	-27.3	20.4	-6.9	PASS
2399.775000	-27.5	20.6	-6.9	PASS
2399.675000	-28.4	21.5	-6.9	PASS
2399.475000	-28.4	21.5	-6.9	PASS
2399.975000	-28.6	21.7	-6.9	PASS
2399.925000	-28.8	21.9	-6.9	PASS
2399.525000	-28.9	22.0	-6.9	PASS
2399.425000	-29.2	22.3	-6.9	PASS
2399.575000	-29.7	22.8	-6.9	PASS
2399.625000	-29.9	23.0	-6.9	PASS
2399.125000	-30.5	23.6	-6.9	PASS
2399.175000	-30.5	23.6	-6.9	PASS
2399.075000	-30.6	23.7	-6.9	PASS

Band Edge



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2462MHz
Notes	High Band Edge – Peak and Average Measurements

Band Edge



— Limit × Fail — Sum Level

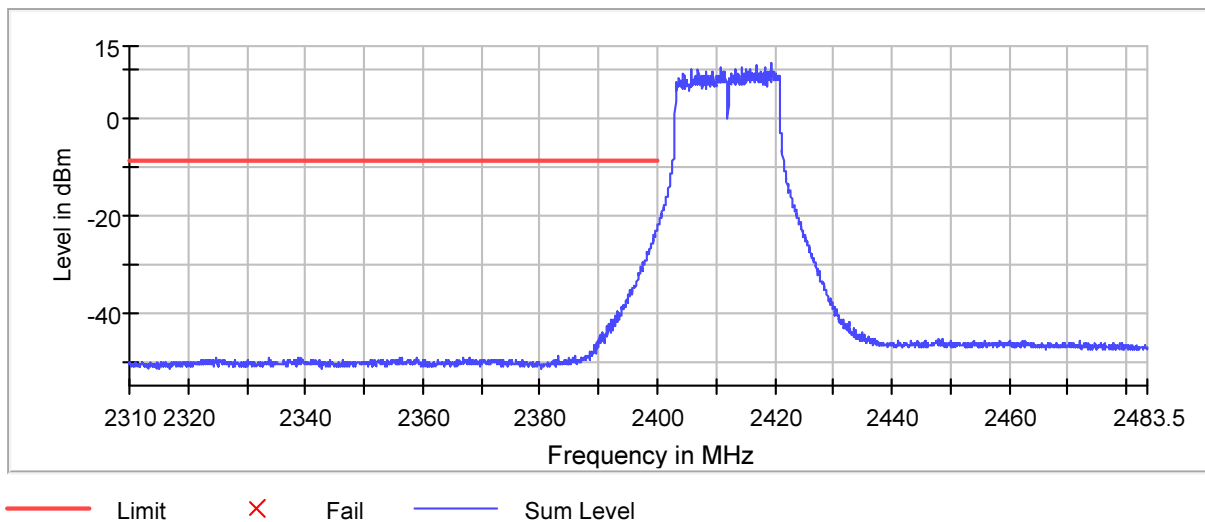
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2483.50	H	33.65	*	3.40	32.72	0.00	69.76	3077.56	5000.00	-4.22
	V	33.25	*	3.40	32.72	0.00	69.36	2939.05	5000.00	-4.62

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
2483.50	H	15.33	*	3.40	32.72	0.00	0.00	51.44	373.43	500.00	-2.54
	V	15.38	*	3.40	32.72	0.00	0.00	51.49	375.58	500.00	-2.49

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS7
Frequency Tested	2412MHz
Notes	Low Band Edge

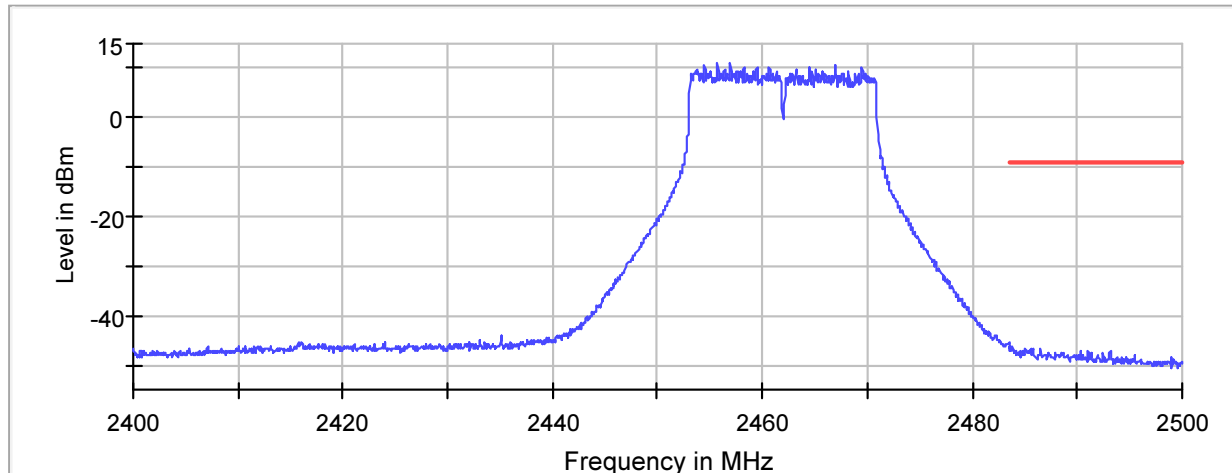
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.975000	-22.2	13.6	-8.7	PASS
2399.925000	-22.8	14.1	-8.7	PASS
2399.875000	-22.9	14.2	-8.7	PASS
2399.725000	-23.0	14.4	-8.7	PASS
2399.825000	-23.1	14.5	-8.7	PASS
2399.775000	-23.3	14.6	-8.7	PASS
2399.675000	-23.6	15.0	-8.7	PASS
2399.475000	-23.8	15.2	-8.7	PASS
2399.625000	-23.9	15.2	-8.7	PASS
2399.575000	-24.0	15.3	-8.7	PASS
2399.425000	-24.1	15.4	-8.7	PASS
2399.525000	-24.2	15.6	-8.7	PASS
2399.375000	-24.6	15.9	-8.7	PASS
2399.225000	-24.8	16.1	-8.7	PASS
2399.275000	-24.9	16.3	-8.7	PASS

Band Edge



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS7
Frequency Tested	2462MHz
Notes	High Band Edge – Peak and Average Measurements

Band Edge



— Limit × Fail — Sum Level

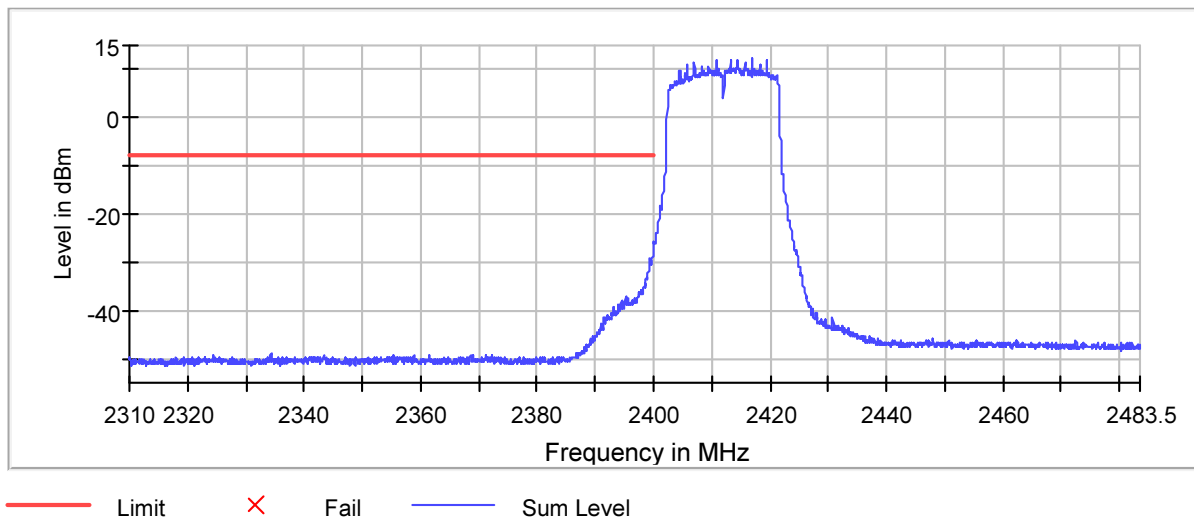
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2483.50	H	24.13	*	3.40	32.72	0.00	60.24	1028.51	5000.00	-13.74
	V	23.98	*	3.40	32.72	0.00	60.09	1010.90	5000.00	-13.89

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
2483.50	H	11.98	*	3.40	32.72	0.00	0.00	48.09	253.93	500.00	-5.89
	V	12.04	*	3.40	32.72	0.00	0.00	48.15	255.69	500.00	-5.83

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2412MHz
Notes	Low Band Edge

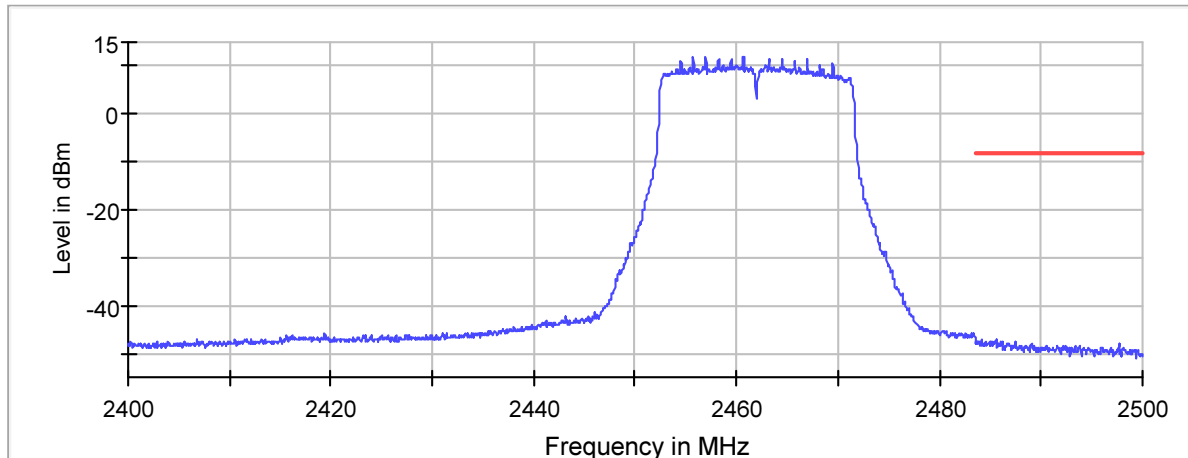
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.875000	-28.3	20.5	-7.8	PASS
2399.975000	-28.5	20.7	-7.8	PASS
2399.925000	-28.5	20.7	-7.8	PASS
2399.825000	-28.9	21.2	-7.8	PASS
2399.425000	-29.0	21.3	-7.8	PASS
2399.375000	-29.1	21.3	-7.8	PASS
2399.775000	-29.2	21.4	-7.8	PASS
2399.475000	-29.4	21.6	-7.8	PASS
2399.725000	-29.4	21.7	-7.8	PASS
2399.325000	-29.6	21.8	-7.8	PASS
2399.675000	-29.7	21.9	-7.8	PASS
2399.625000	-29.9	22.1	-7.8	PASS
2399.575000	-30.0	22.2	-7.8	PASS
2399.525000	-30.3	22.5	-7.8	PASS
2399.275000	-31.2	23.4	-7.8	PASS

Band Edge



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2462MHz
Notes	High Band Edge – Peak and Average Measurements

Band Edge



— Limit × Fail — Sum Level

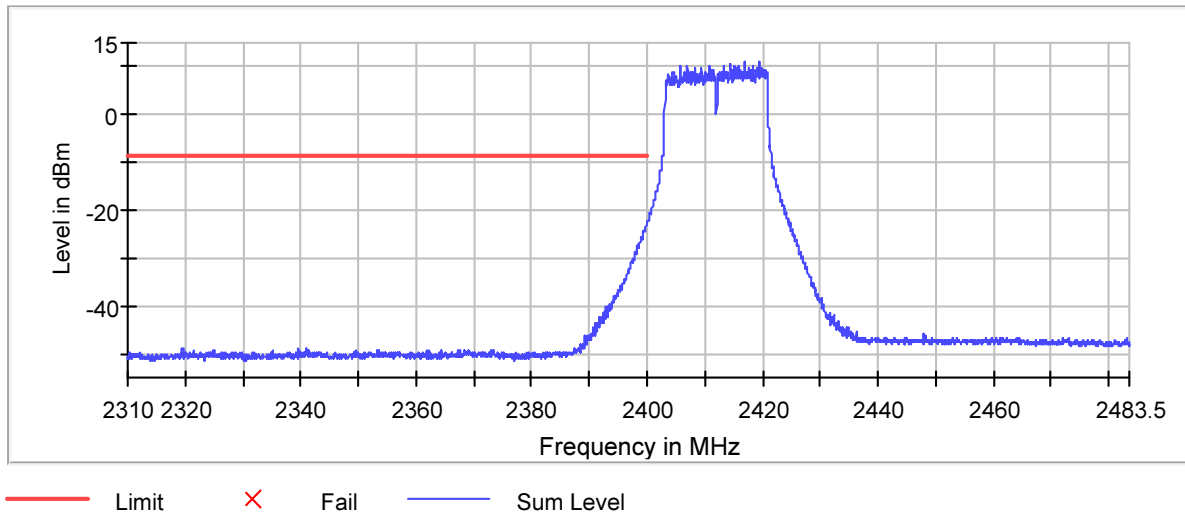
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2483.50	H	29.99	*	3.40	32.72	0.00	66.10	2019.33	5000.00	-7.88
	V	22.78	*	3.40	32.72	0.00	58.89	880.45	5000.00	-15.09

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
2483.50	H	12.80	*	3.40	32.72	0.00	0.00	48.91	279.07	500.00	-5.07
	V	11.65	*	3.40	32.72	0.00	0.00	47.76	244.46	500.00	-6.22

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS11
Frequency Tested	2412MHz
Notes	Low Band Edge

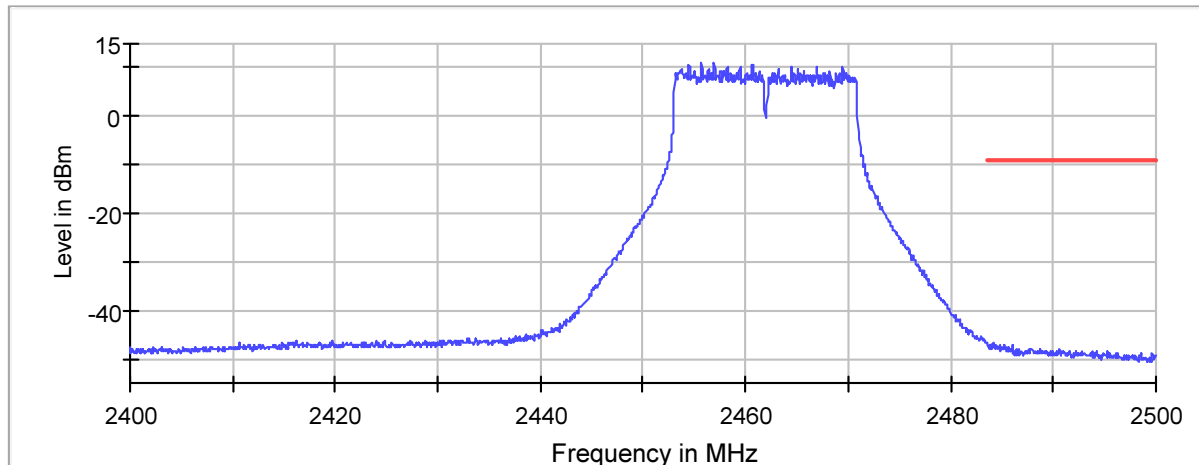
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.975000	-22.3	13.6	-8.7	PASS
2399.925000	-22.9	14.2	-8.7	PASS
2399.875000	-23.1	14.4	-8.7	PASS
2399.825000	-23.2	14.5	-8.7	PASS
2399.725000	-23.4	14.7	-8.7	PASS
2399.775000	-23.5	14.7	-8.7	PASS
2399.525000	-23.8	15.1	-8.7	PASS
2399.675000	-24.0	15.3	-8.7	PASS
2399.475000	-24.1	15.3	-8.7	PASS
2399.625000	-24.4	15.7	-8.7	PASS
2399.375000	-24.5	15.8	-8.7	PASS
2399.325000	-24.6	15.8	-8.7	PASS
2399.575000	-24.6	15.8	-8.7	PASS
2399.425000	-24.7	16.0	-8.7	PASS
2399.225000	-25.3	16.6	-8.7	PASS

Band Edge



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS11
Frequency Tested	2462MHz
Notes	High Band Edge – Peak and Average Measurements

Band Edge



— Limit × Fail — Sum Level

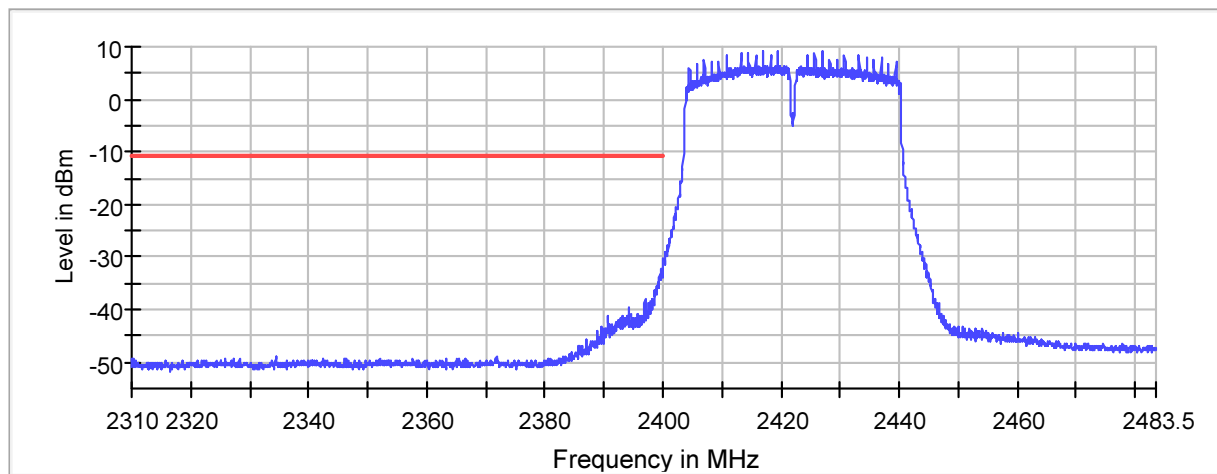
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2483.50	H	23.01	*	3.40	32.72	0.00	59.12	904.08	5000.00	-14.86
	V	22.41	*	3.40	32.72	0.00	58.52	843.74	5000.00	-15.46

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
2483.50	H	12.65	*	3.40	32.72	0.00	0.00	48.76	274.29	500.00	-5.22
	V	11.80	*	3.40	32.72	0.00	0.00	47.91	248.72	500.00	-6.07

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2422MHz
Notes	Low Band Edge

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.825000	-32.3	21.7	-10.6	PASS
2399.775000	-32.3	21.7	-10.6	PASS
2399.975000	-32.7	22.0	-10.6	PASS
2399.725000	-32.8	22.2	-10.6	PASS
2399.675000	-32.9	22.3	-10.6	PASS
2399.875000	-33.0	22.3	-10.6	PASS
2399.475000	-33.0	22.4	-10.6	PASS
2399.525000	-33.3	22.7	-10.6	PASS
2399.925000	-33.7	23.1	-10.6	PASS
2399.625000	-33.7	23.1	-10.6	PASS
2399.425000	-33.8	23.2	-10.6	PASS
2399.575000	-34.1	23.5	-10.6	PASS
2399.175000	-34.6	24.0	-10.6	PASS
2399.375000	-34.9	24.3	-10.6	PASS
2399.125000	-35.0	24.3	-10.6	PASS

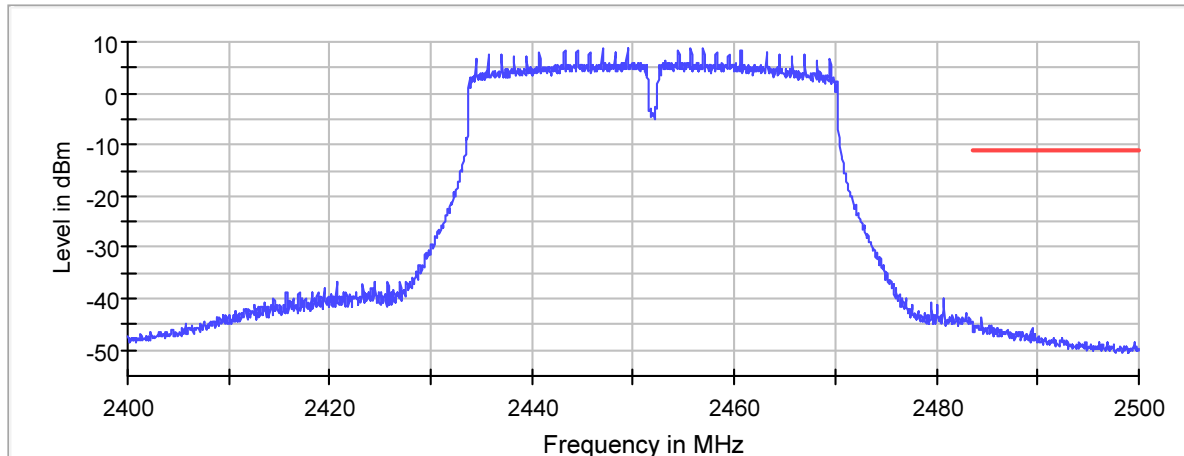
Band Edge



— Limit × Fail — Sum Level

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2452MHz
Notes	High Band Edge – Peak and Average Measurements

Band Edge



— Limit × Fail — Sum Level

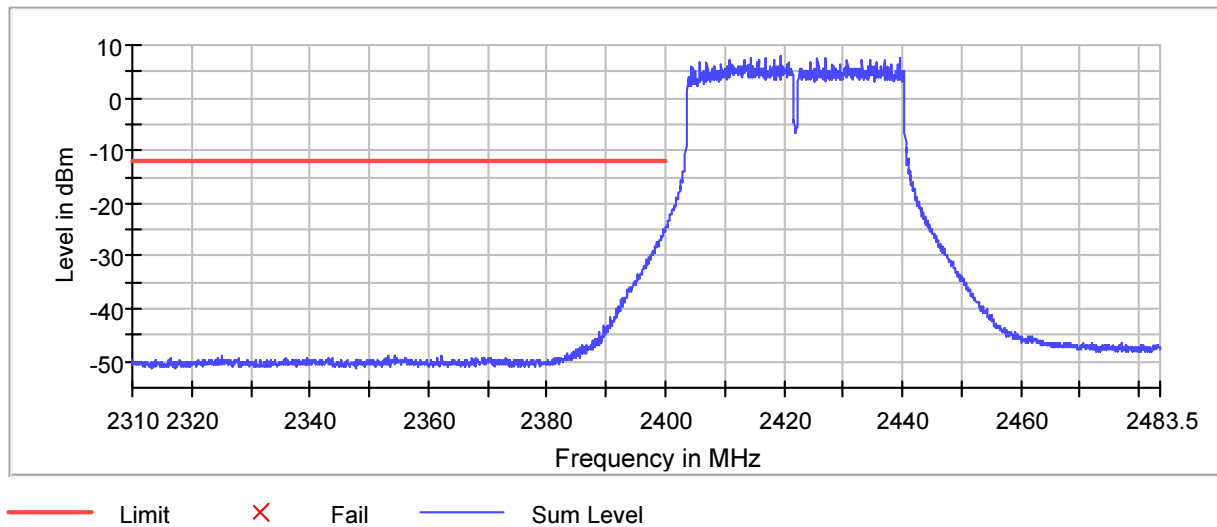
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2483.50	H	22.21	*	3.40	32.72	0.00	58.32	824.53	5000.00	-15.66
	V	20.98	*	3.40	32.72	0.00	57.09	715.66	5000.00	-16.89

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
2483.50	H	11.53	*	3.40	32.72	0.00	0.00	47.64	241.11	500.00	-6.34
	V	12.78	*	3.40	32.72	0.00	0.00	48.89	278.42	500.00	-5.09

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS7
Frequency Tested	2422MHz
Notes	Low Band Edge

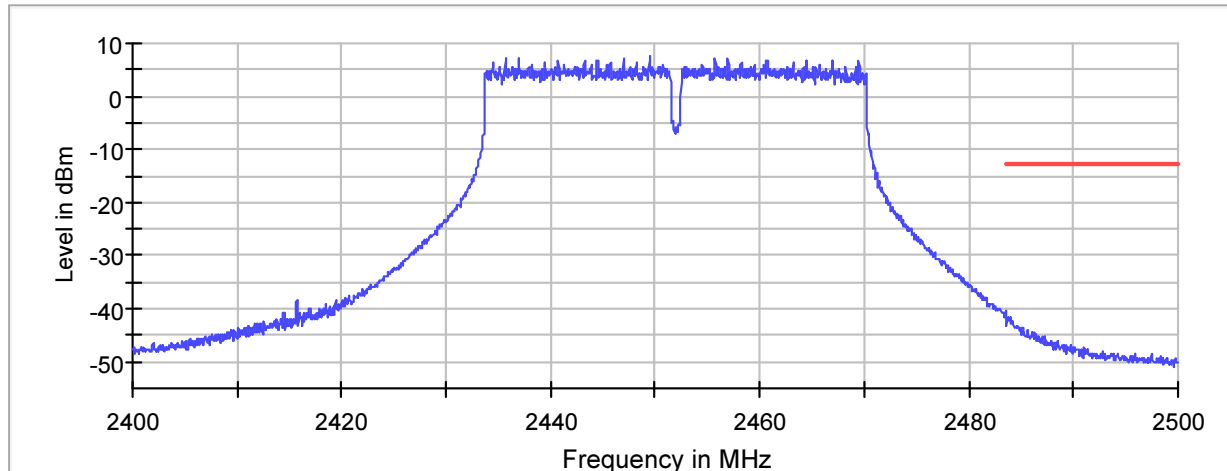
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.975000	-24.9	12.8	-12.1	PASS
2399.875000	-25.0	12.9	-12.1	PASS
2399.675000	-25.1	13.0	-12.1	PASS
2399.725000	-25.1	13.0	-12.1	PASS
2399.925000	-25.1	13.1	-12.1	PASS
2399.825000	-25.3	13.3	-12.1	PASS
2399.775000	-25.4	13.4	-12.1	PASS
2399.625000	-25.4	13.4	-12.1	PASS
2399.525000	-26.0	13.9	-12.1	PASS
2399.475000	-26.0	14.0	-12.1	PASS
2399.225000	-26.1	14.1	-12.1	PASS
2399.575000	-26.2	14.2	-12.1	PASS
2399.175000	-26.3	14.2	-12.1	PASS
2399.275000	-26.4	14.4	-12.1	PASS
2399.375000	-26.5	14.4	-12.1	PASS

Band Edge



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS7
Frequency Tested	2452MHz
Notes	High Band Edge – Peak and Average Measurements

Band Edge



— Limit × Fail — Sum Level

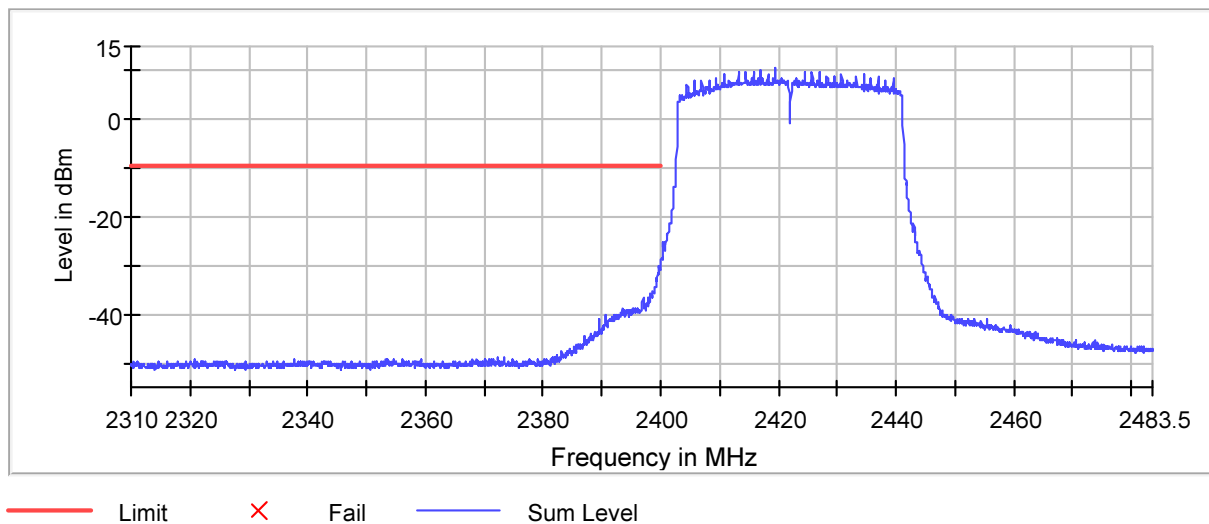
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2483.50	H	22.06	*	3.40	32.72	0.00	58.17	810.41	5000.00	-15.81
	V	22.89	*	3.40	32.72	0.00	59.00	891.68	5000.00	-14.98

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
2483.50	H	12.17	*	3.40	32.72	0.00	0.00	48.28	259.54	500.00	-5.70
	V	12.01	*	3.40	32.72	0.00	0.00	48.12	254.80	500.00	-5.86

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2422MHz
Notes	Low Band Edge

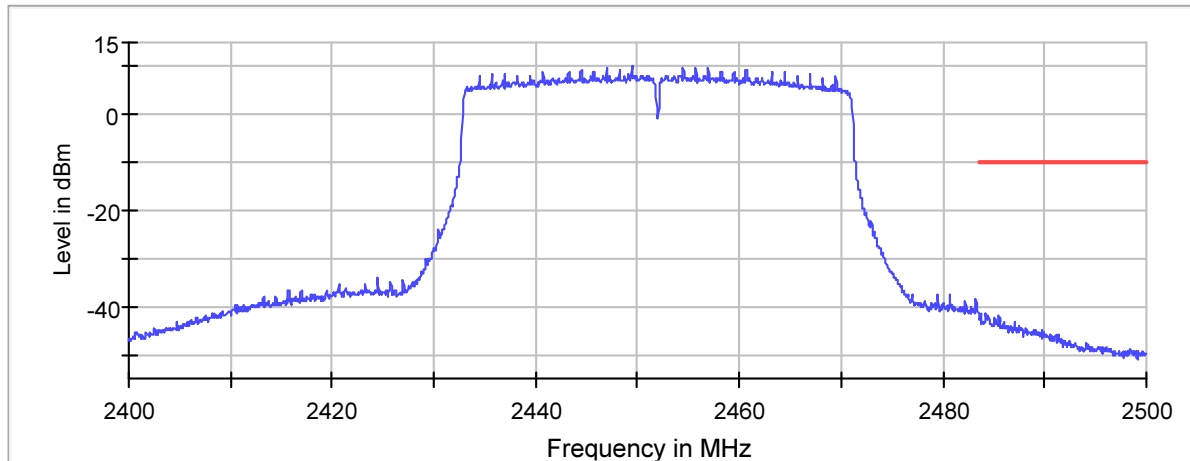
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.725000	-30.3	20.7	-9.5	PASS
2399.775000	-30.4	20.9	-9.5	PASS
2399.975000	-30.4	20.9	-9.5	PASS
2399.925000	-30.6	21.1	-9.5	PASS
2399.825000	-30.8	21.3	-9.5	PASS
2399.675000	-30.8	21.3	-9.5	PASS
2399.875000	-30.9	21.3	-9.5	PASS
2399.475000	-31.5	22.0	-9.5	PASS
2399.525000	-31.7	22.2	-9.5	PASS
2399.575000	-31.9	22.4	-9.5	PASS
2399.625000	-32.0	22.5	-9.5	PASS
2399.425000	-32.5	23.0	-9.5	PASS
2399.325000	-32.8	23.2	-9.5	PASS
2399.225000	-32.8	23.3	-9.5	PASS
2399.175000	-32.9	23.4	-9.5	PASS

Band Edge



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2452MHz
Notes	High Band Edge – Peak and Average Measurements

Band Edge



— Limit × Fail — Sum Level

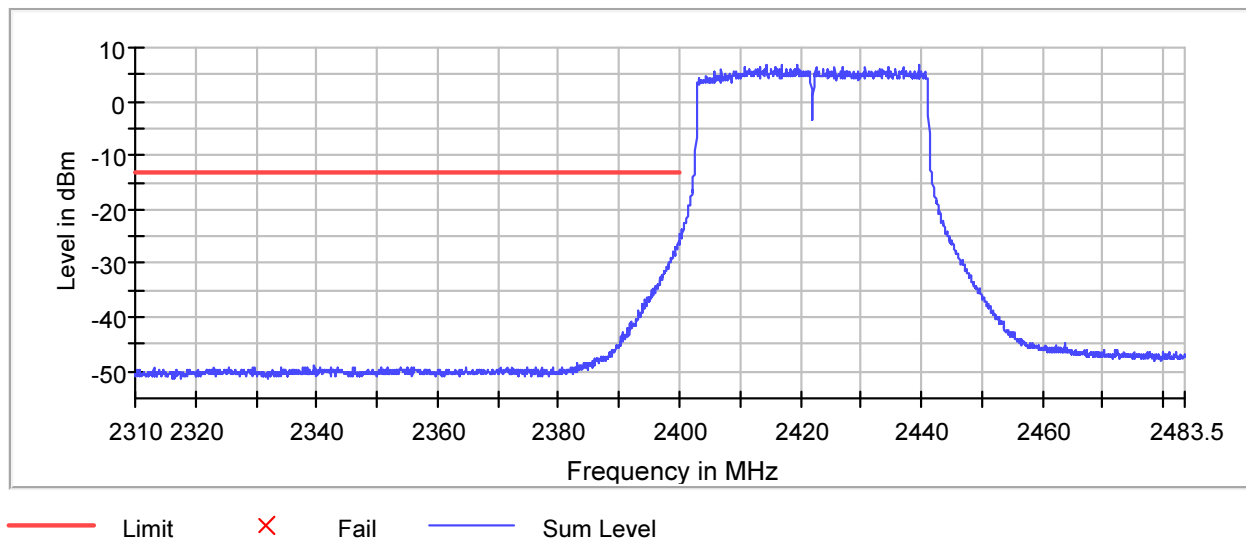
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2483.50	H	26.94	*	3.40	32.72	0.00	63.05	1421.37	5000.00	-10.93
	V	25.69	*	3.40	32.72	0.00	61.80	1230.86	5000.00	-12.18

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
2483.50	H	13.71	*	3.40	32.72	0.00	0.00	49.82	309.89	500.00	-4.16
	V	11.37	*	3.40	32.72	0.00	0.00	47.48	236.70	500.00	-6.50

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS11
Frequency Tested	2422MHz
Notes	Low Band Edge

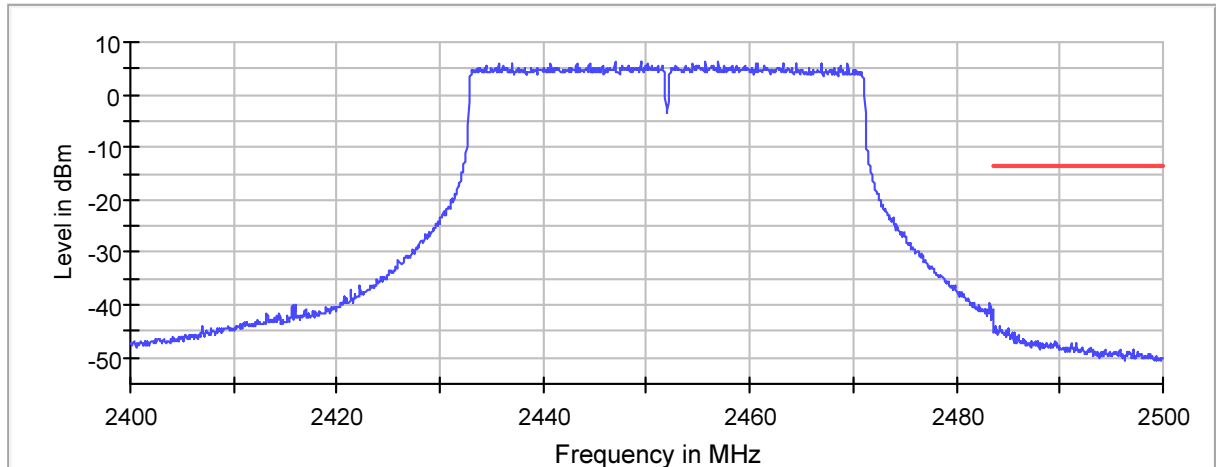
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.525000	-36.5	26.2	-10.3	PASS
2399.475000	-36.6	26.3	-10.3	PASS
2399.425000	-37.3	27.0	-10.3	PASS
2399.375000	-37.3	27.0	-10.3	PASS
2399.575000	-37.5	27.2	-10.3	PASS
2399.675000	-37.5	27.2	-10.3	PASS
2399.625000	-37.7	27.4	-10.3	PASS
2398.875000	-37.8	27.5	-10.3	PASS
2398.925000	-37.8	27.5	-10.3	PASS
2399.975000	-38.0	27.7	-10.3	PASS
2399.925000	-38.4	28.1	-10.3	PASS
2399.725000	-38.6	28.3	-10.3	PASS
2399.325000	-38.8	28.5	-10.3	PASS
2398.975000	-38.9	28.6	-10.3	PASS
2398.675000	-39.0	28.7	-10.3	PASS

Band Edge



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS11
Frequency Tested	2452MHz
Notes	High Band Edge – Peak and Average Measurements

Band Edge



— Limit × Fail — Sum Level

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dBm)
2483.50	H	23.11	*	3.40	32.72	0.00	59.22	914.55	5000.00	-14.76
	V	23.45	*	3.40	32.72	0.00	59.56	951.06	5000.00	-14.42

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
2483.50	H	11.86	*	3.40	32.72	0.00	0.00	47.97	250.44	500.00	-6.01
	V	11.95	*	3.40	32.72	0.00	0.00	48.06	253.05	500.00	-5.92

27. Power Spectral Density

EUT Information	
Manufacturer	Righthand Technologies Inc
Product	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx

Test Setup Details	
Setup Format	Tabletop
Height of Support	N/A
Measurement Method	Antenna Conducted
Type of Test Site	Workbench
Test Site Used	N/A
Type of Antennas Used	N/A
Notes	None

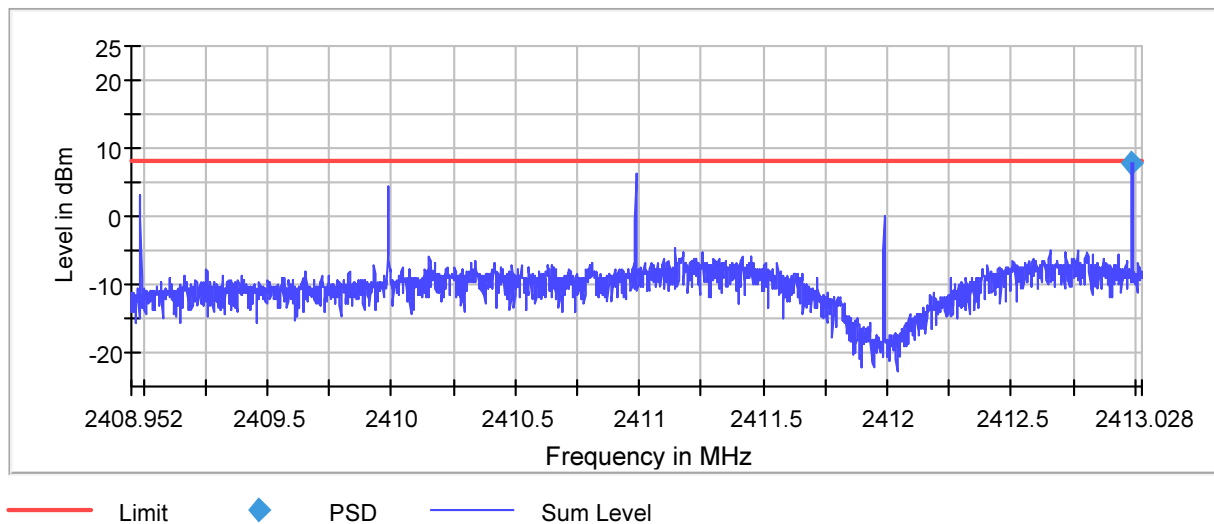
Requirement
Per FCC 15.247, Section (e), and ISED RSS-247, Section 5.2(b), for digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. If peak conducted output power was measured, the same method must be used to measure the power spectral density.

Procedure
1) Antenna Port 1 of the EUT was connected to the DUT 1 port of the Rohde & Schwarz OSP 120/OSP-B157 system via a coaxial cable and RF attenuator. Each antenna port of the EUT was connected to a separate port (DUT 2, DUT 3, and DUT 4) via separate coaxial cables and RF attenuators. 2) The following settings were employed on the EMI Test Receiver: 1. Center Frequency = Transmit Frequency of the EUT 2. Frequency Span = x 1.5 times the OBW 3. RBW = $3\text{kHz} \leq \text{RBW} \leq 100\text{kHz}$ 4. VBW = $\geq 3 \times \text{RBW}$ 5. Detector Mode = Max Peak 6. Sweep Time = Auto Couple 7. Trace Mode = Max Hold 3) Allow the trace to stabilize. 4) Use the peak marker function to determine the maximum amplitude level within the RBW. 5) If measured value exceeds requirement, then reduce RBW (but no less than 3kHz) and repeat.

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2412MHz
Result	PSD = 7.94dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2412.000000	2412.987755	7.940	8.0	PASS

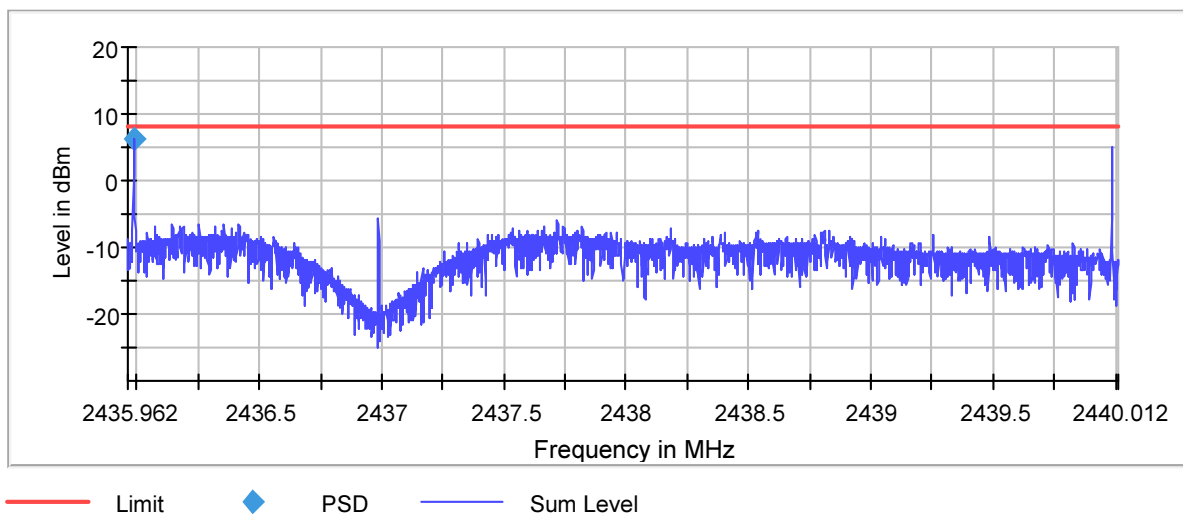
Peak Power Spectral Density 2nd



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2437MHz
Result	PSD = 6.378dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2437.000000	2435.987250	6.378	8.0	PASS

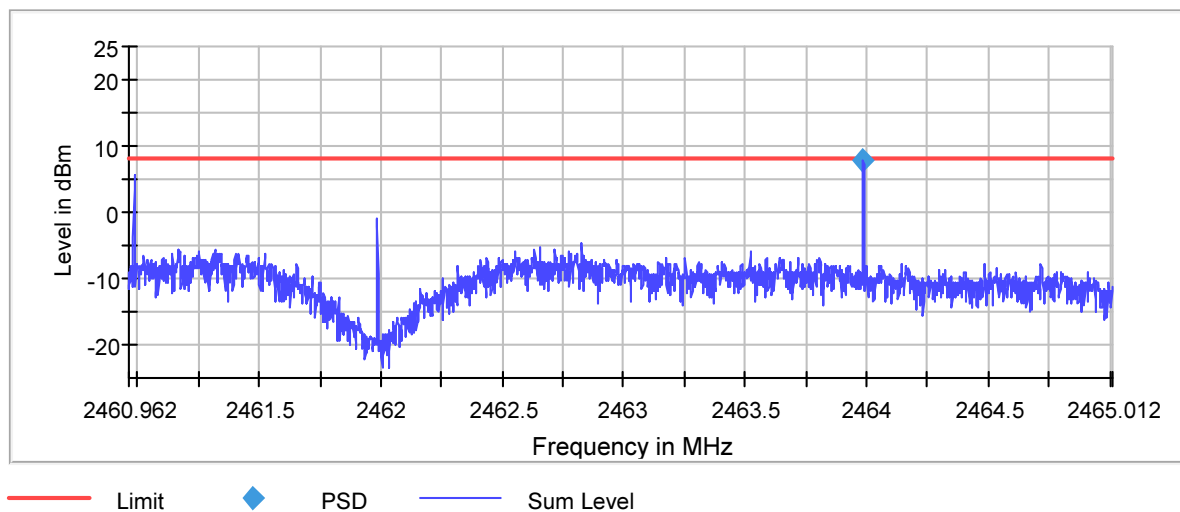
Peak Power Spectral Density 2nd



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 1Mbps
Frequency Tested	2462MHz
Result	PSD = 7.726dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2462.000000	2463.985750	7.726	8.0	PASS

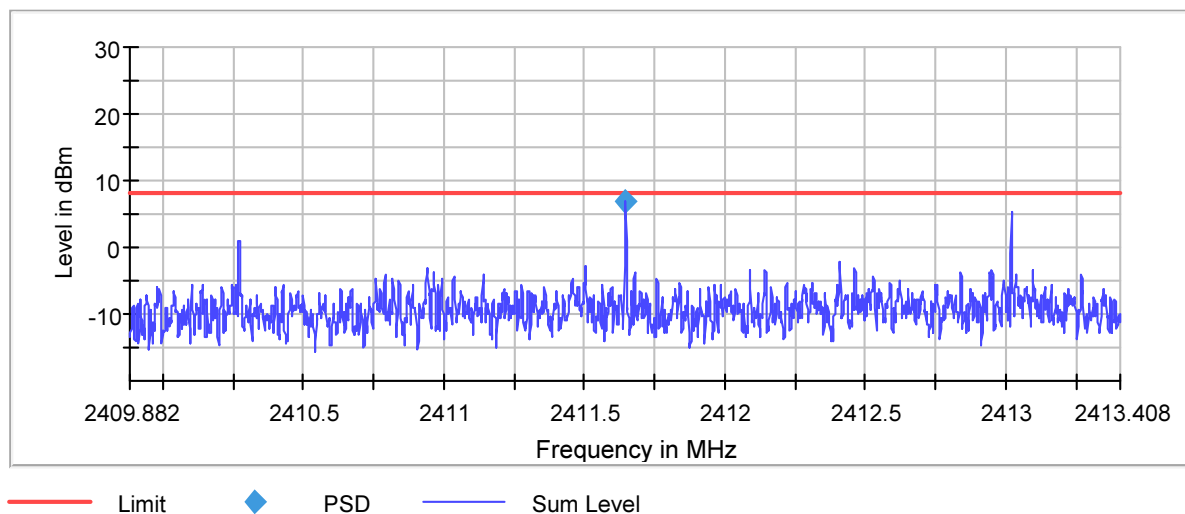
Peak Power Spectral Density 2nd



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 11Mbps
Frequency Tested	2412MHz
Result	PSD = 6.828dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2412.000000	2411.645750	6.828	8.0	PASS

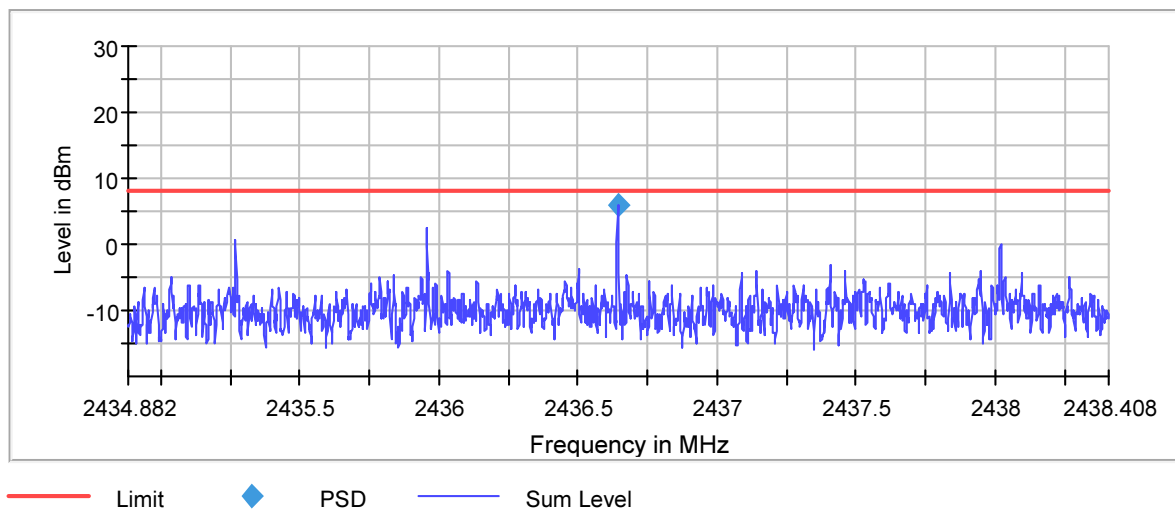
Peak Power Spectral Density 2nd



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 11Mbps
Frequency Tested	2437MHz
Result	PSD = 5.878dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2437.000000	2436.644250	5.878	8.0	PASS

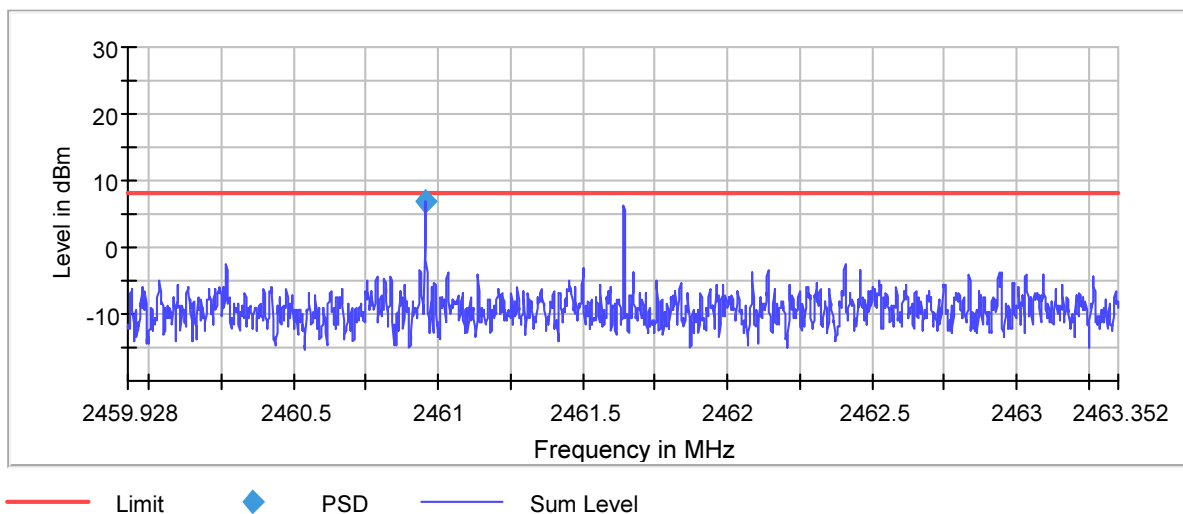
Peak Power Spectral Density 2nd



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11b 11Mbps
Frequency Tested	2462MHz
Result	PSD = 6.85dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2462.000000	2460.955900	6.850	8.0	PASS

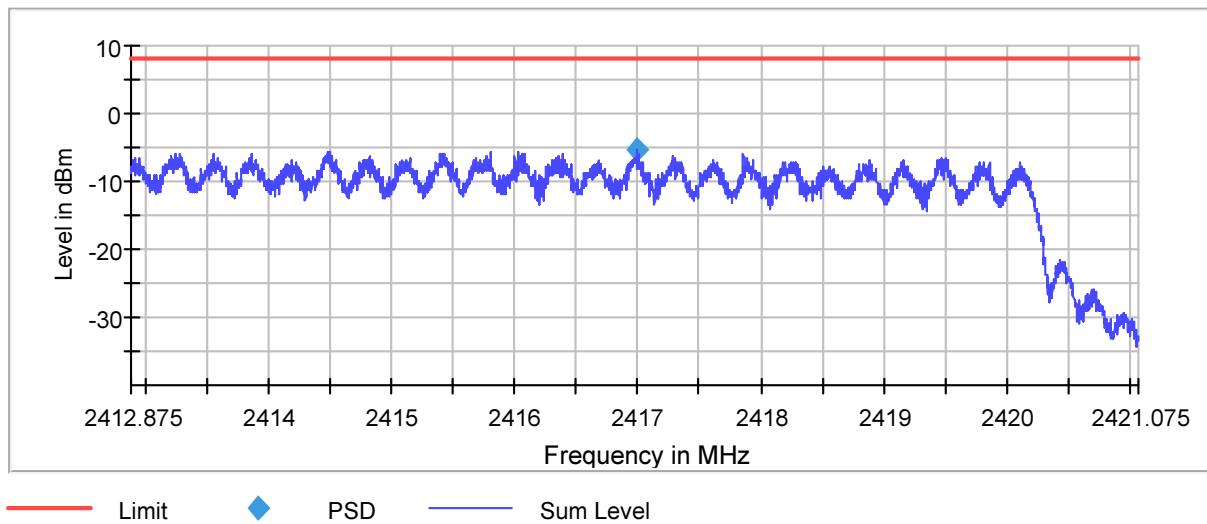
Peak Power Spectral Density 2nd



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2412MHz
Result	PSD = -5.437dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2412.000000	2416.997499	-5.437	8.0	PASS

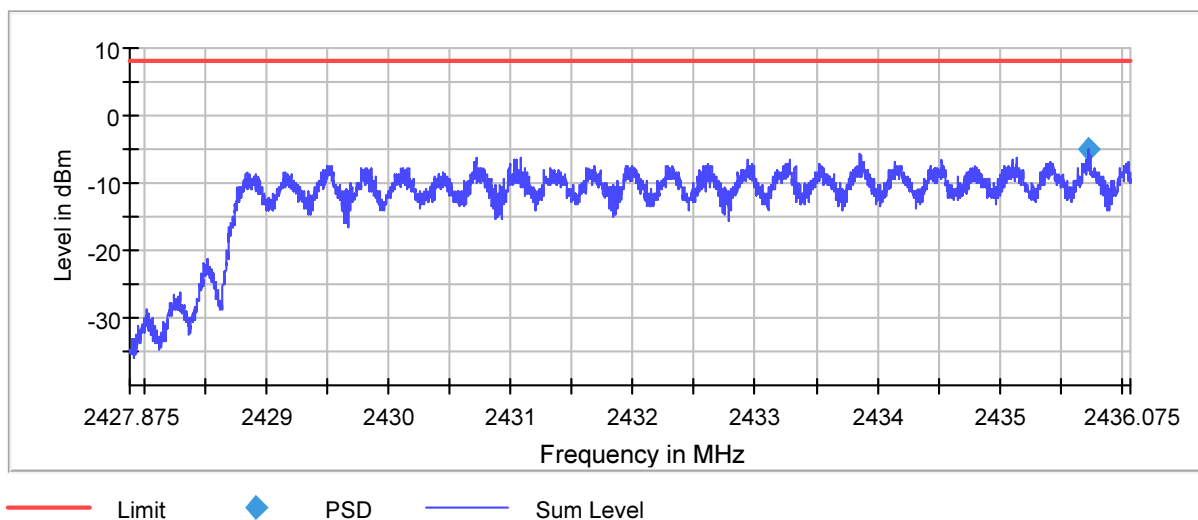
Peak Power Spectral Density 2nd



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2437MHz
Result	PSD = -4.874dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2437.000000	2435.735271	-4.874	8.0	PASS

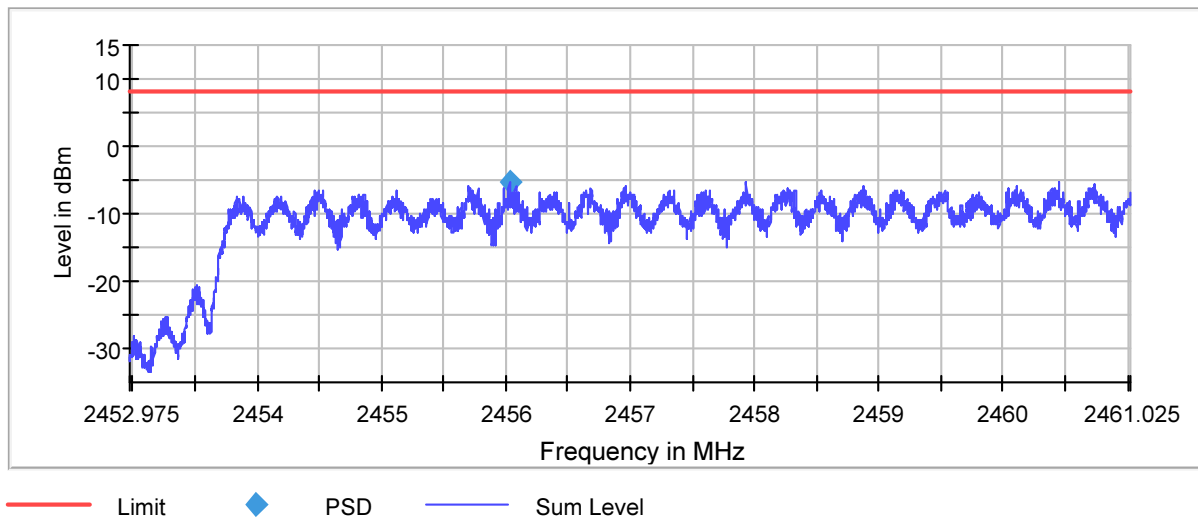
Peak Power Spectral Density 2nd



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 6Mbps
Frequency Tested	2462MHz
Result	PSD = -5.177dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2462.000000	2456.028060	-5.177	8.0	PASS

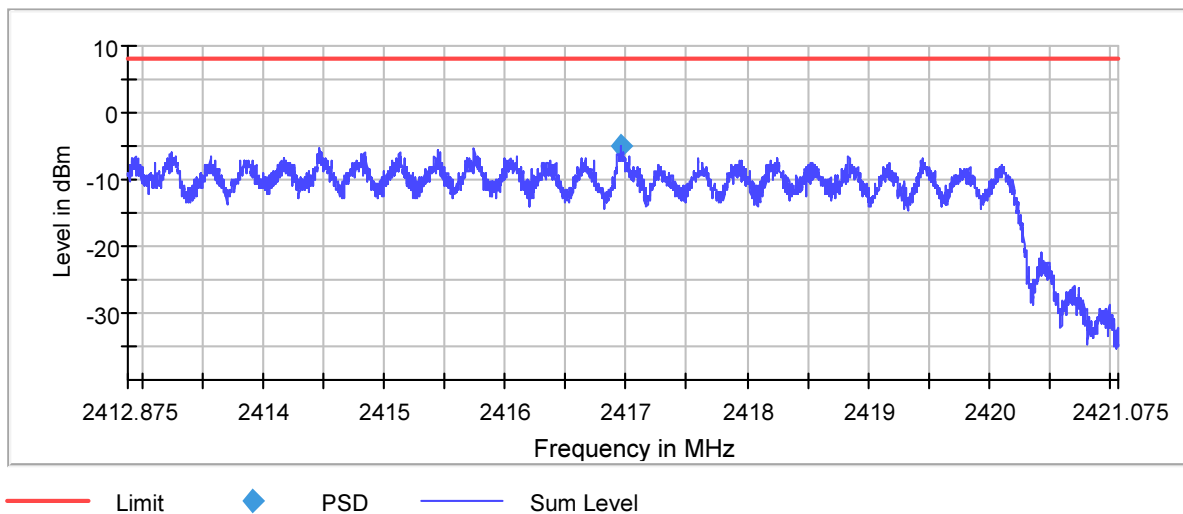
Peak Power Spectral Density 2nd



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 54Mbps
Frequency Tested	2412MHz
Result	PSD = -5.01dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2412.000000	2416.952501	-5.001	8.0	PASS

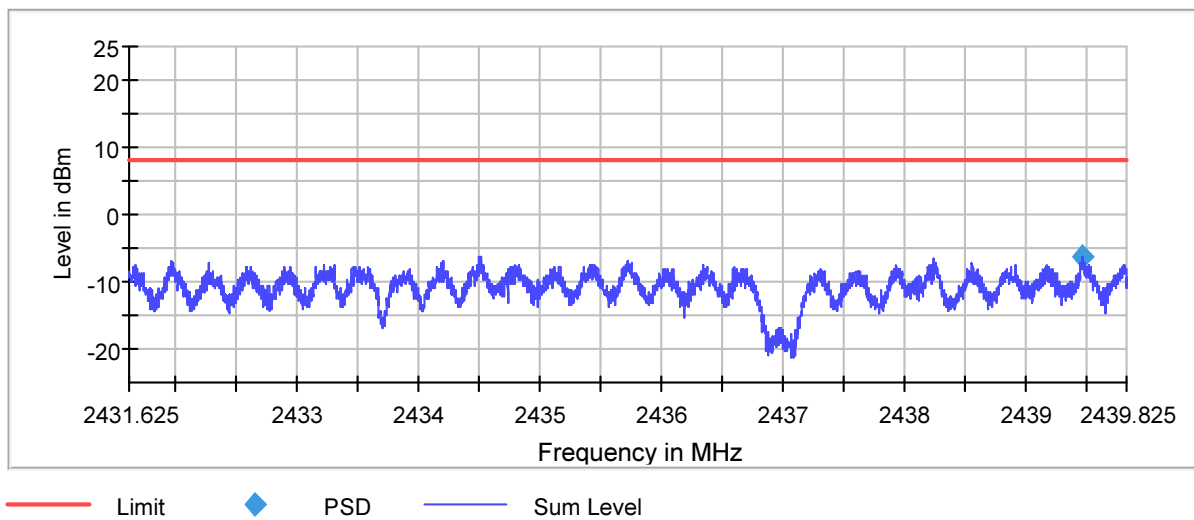
Peak Power Spectral Density 2nd



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 54Mbps
Frequency Tested	2437MHz
Result	PSD = -6.097dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2437.000000	2439.465772	-6.097	8.0	PASS

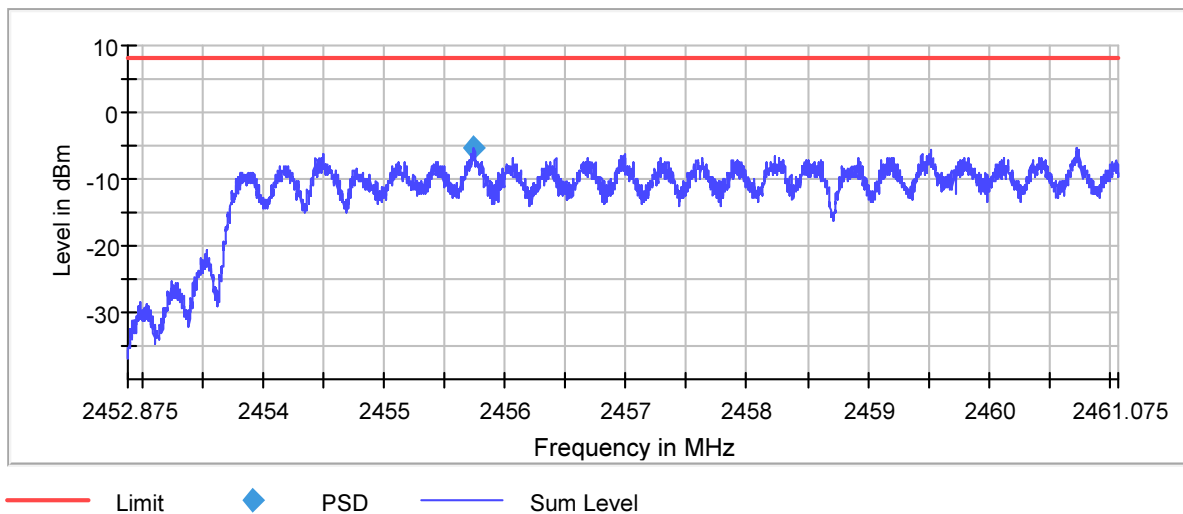
Peak Power Spectral Density 2nd



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11g 54Mbps
Frequency Tested	2462MHz
Result	PSD = -5.372dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2462.000000	2455.742075	-5.372	8.0	PASS

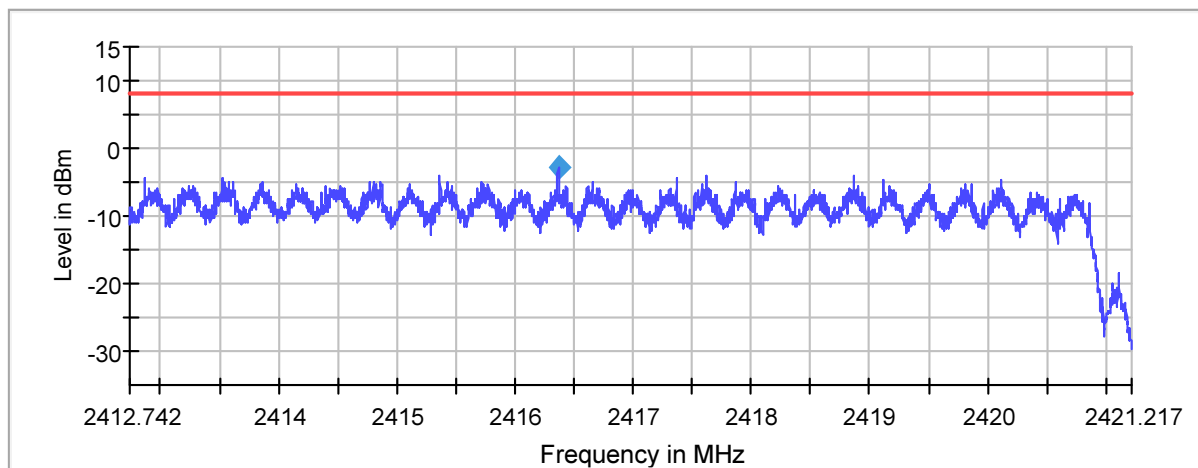
Peak Power Spectral Density 2nd



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2412MHz
Result	PSD = -2.858dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2412.000000	2416.365647	-2.858	8.0	PASS

Peak Power Spectral Density 2nd

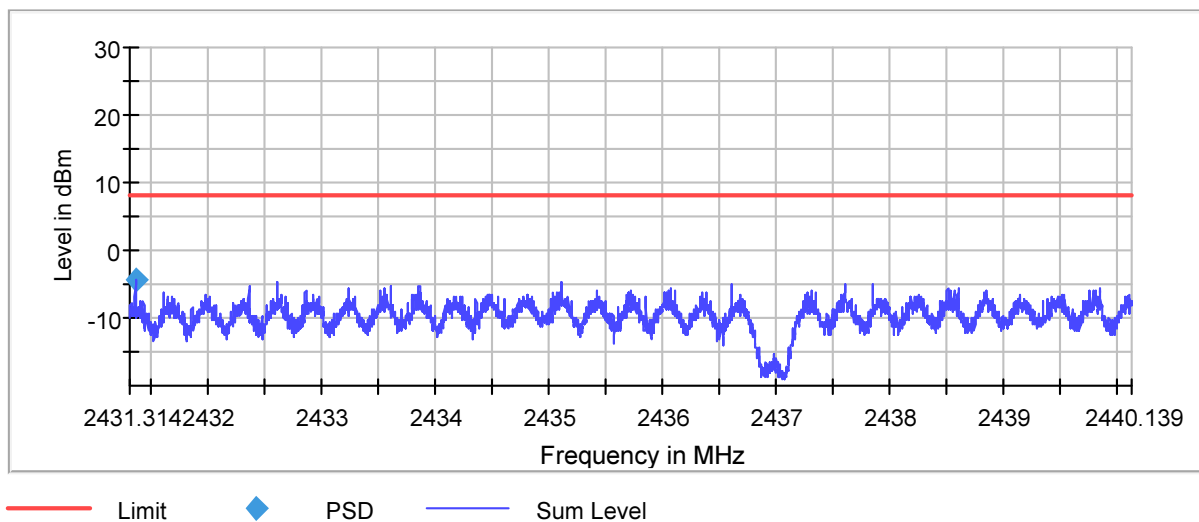


— Limit ◆ PSD — Sum Level

Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2437MHz
Result	PSD = -4.302dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2437.000000	2431.362456	-4.302	8.0	PASS

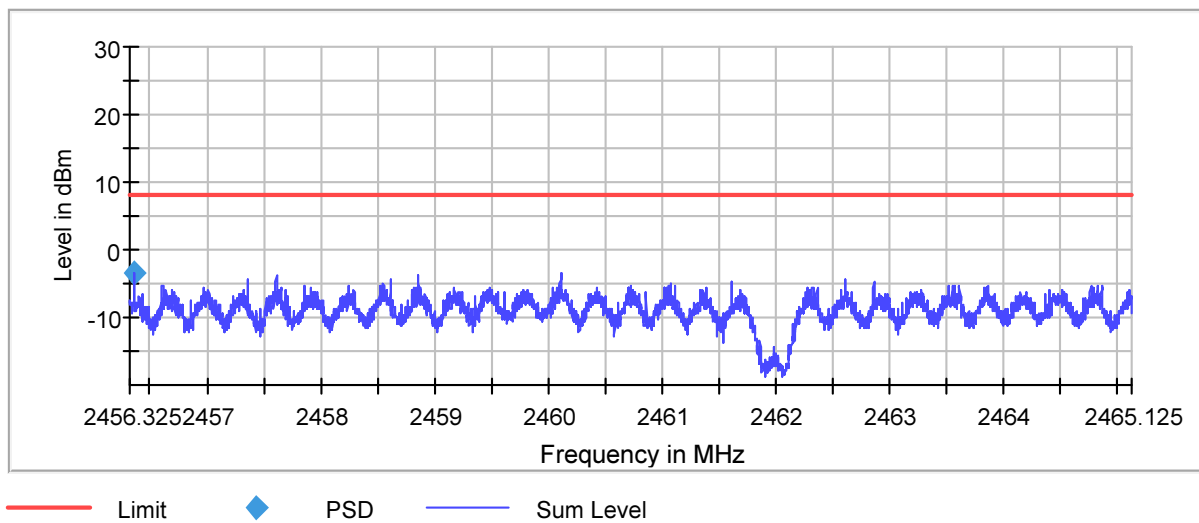
Peak Power Spectral Density 2nd



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS0
Frequency Tested	2462MHz
Result	PSD = -3.413dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2462.000000	2456.361748	-3.413	8.0	PASS

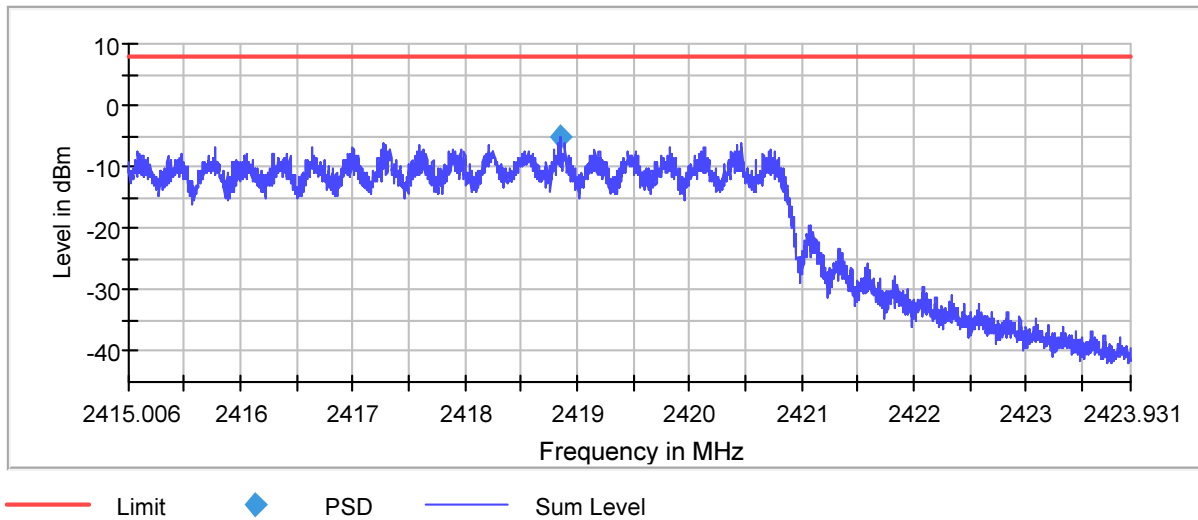
Peak Power Spectral Density 2nd



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS7
Frequency Tested	2412MHz
Result	PSD = -5.166dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2412.000000	2418.852277	-5.166	8.0	PASS

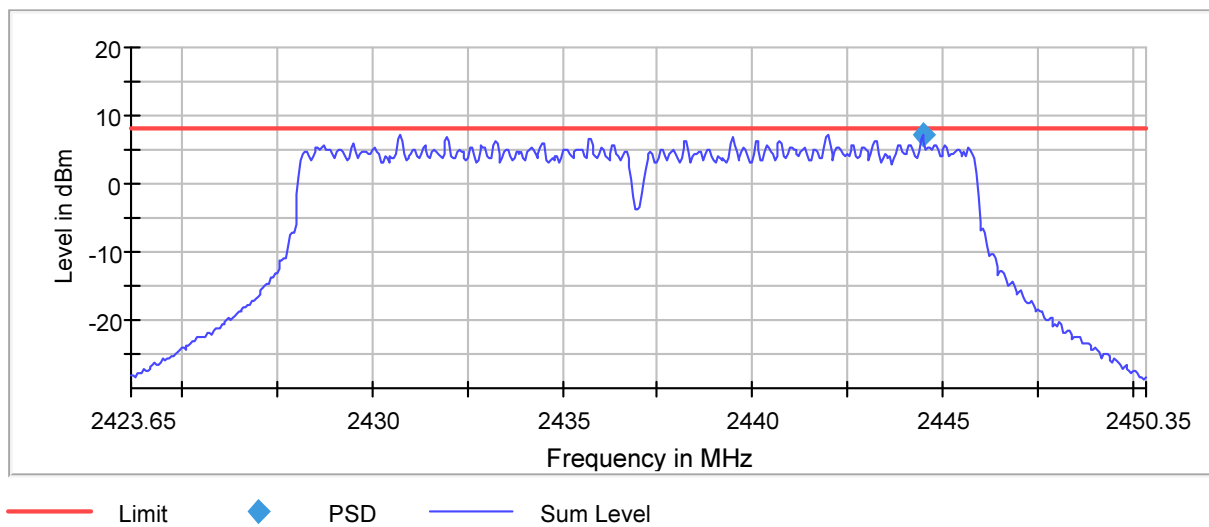
Peak Power Spectral Density 2nd



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS7
Frequency Tested	2437MHz
Result	PSD = 73171dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2437.000000	2444.475000	7.171	8.0	PASS

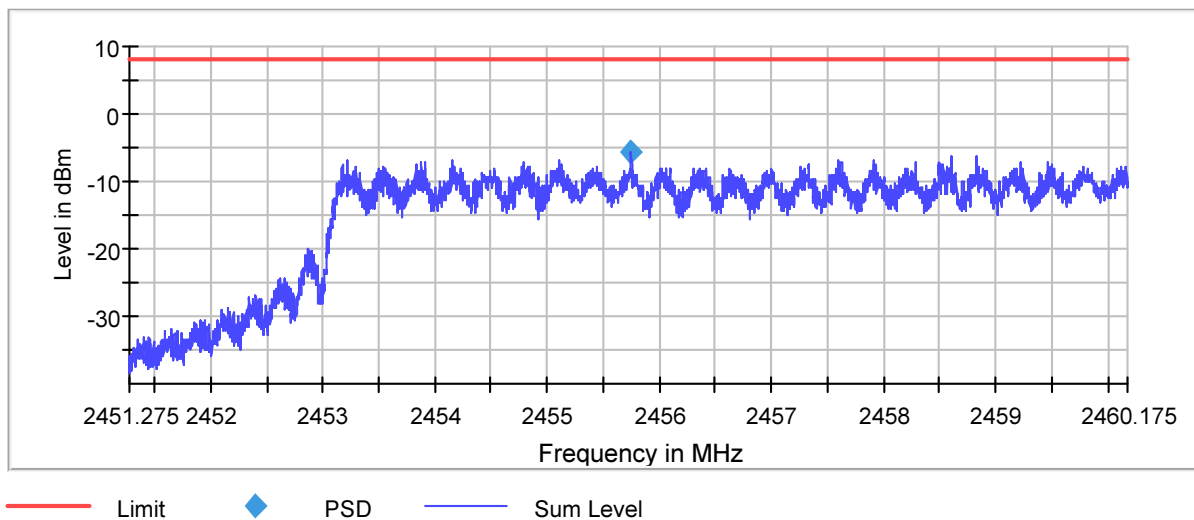
Peak Power Spectral Density



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n20 MCS7
Frequency Tested	2462MHz
Result	PSD = -5.696dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2462.000000	2455.750501	-5.696	8.0	PASS

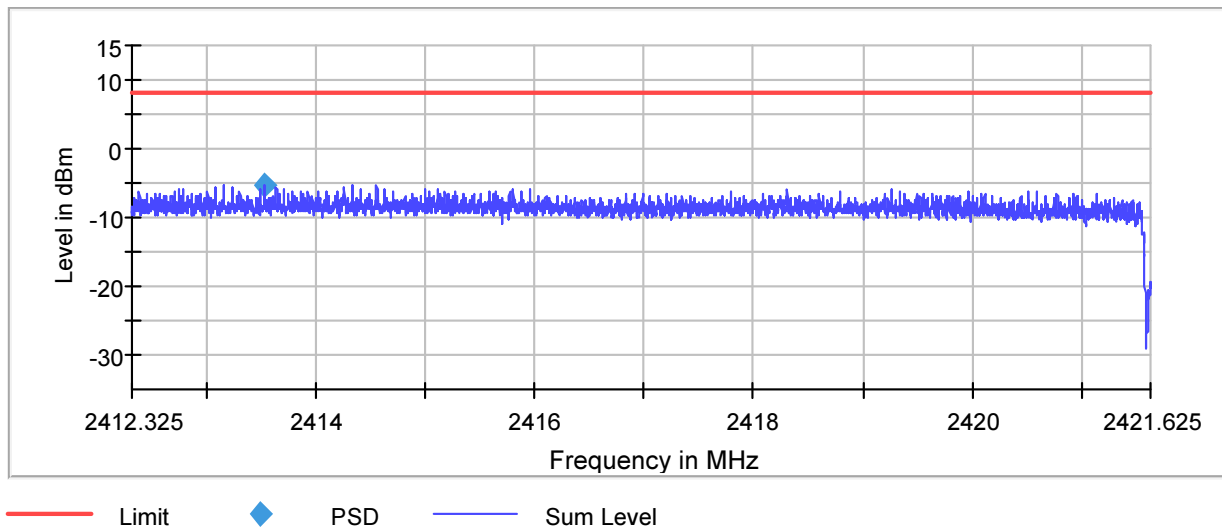
Peak Power Spectral Density 2nd



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2412MHz
Result	PSD = -5.414dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2412.000000	2413.531750	-5.414	8.0	PASS

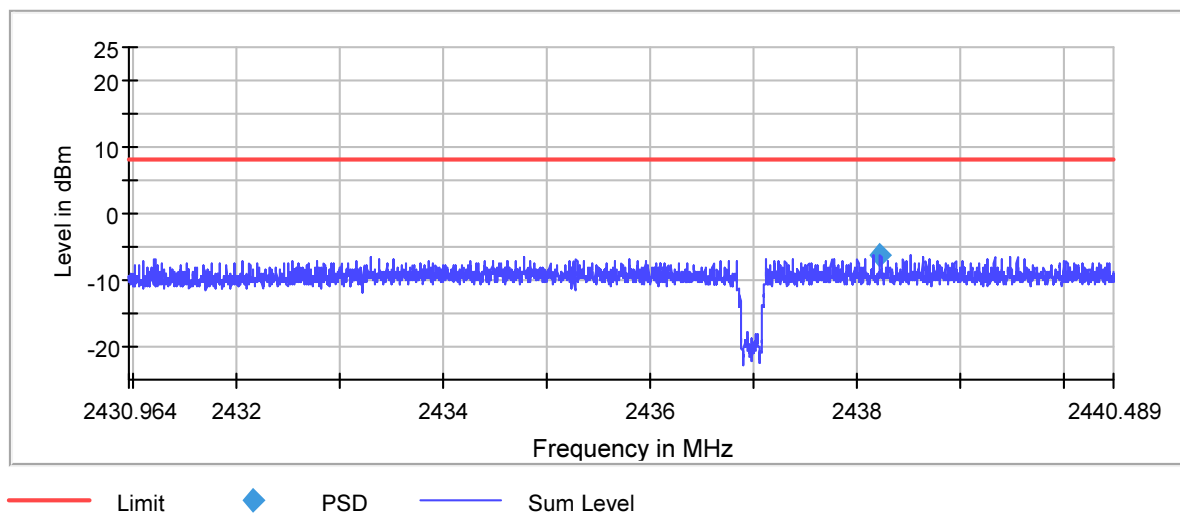
Peak Power Spectral Density 2nd



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2437MHz
Result	PSD = -6.153dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2437.000000	2438.236365	-6.153	8.0	PASS

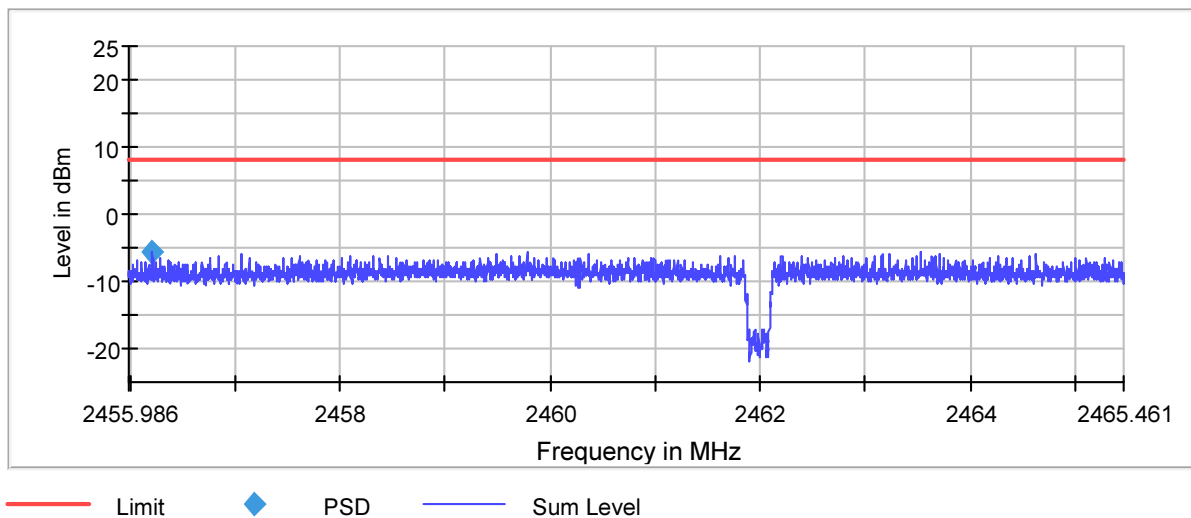
Peak Power Spectral Density 2nd



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS0
Frequency Tested	2462MHz
Result	PSD = -5.568dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2462.000000	2456.213616	-5.568	8.0	PASS

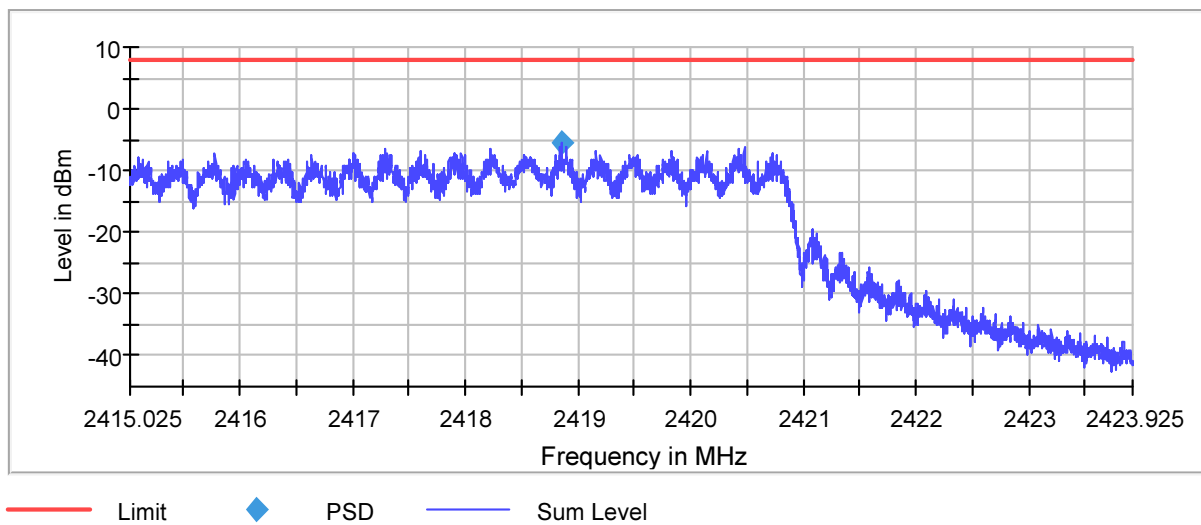
Peak Power Spectral Density 2nd



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS11
Frequency Tested	2412MHz
Result	PSD = -5.331dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2412.000000	2418.858465	-5.331	8.0	PASS

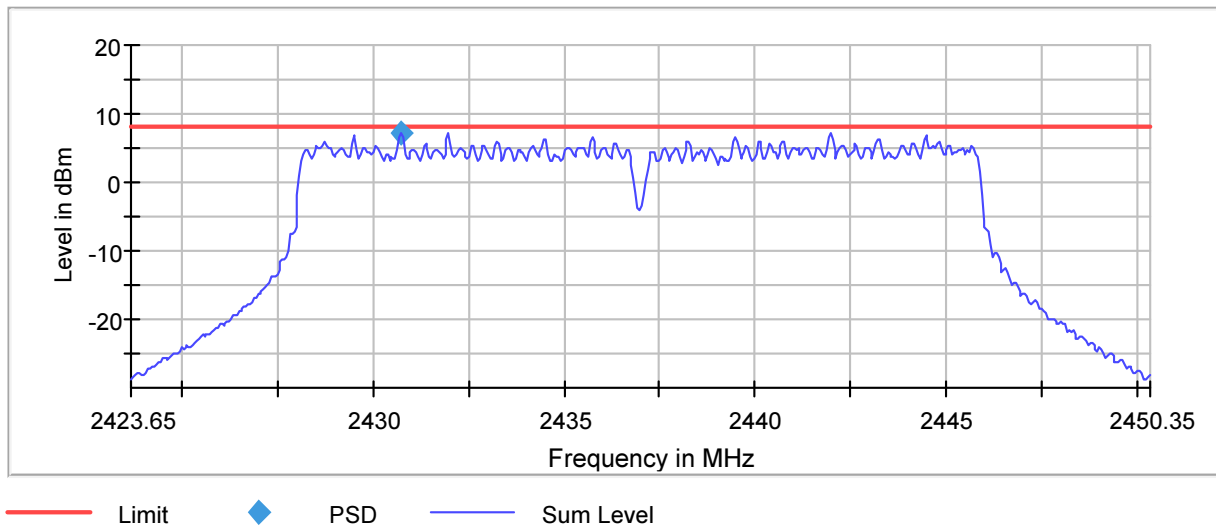
Peak Power Spectral Density 2nd



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS11
Frequency Tested	2437MHz
Result	PSD = 7.3dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2437.000000	2430.725000	7.300	8.0	PASS

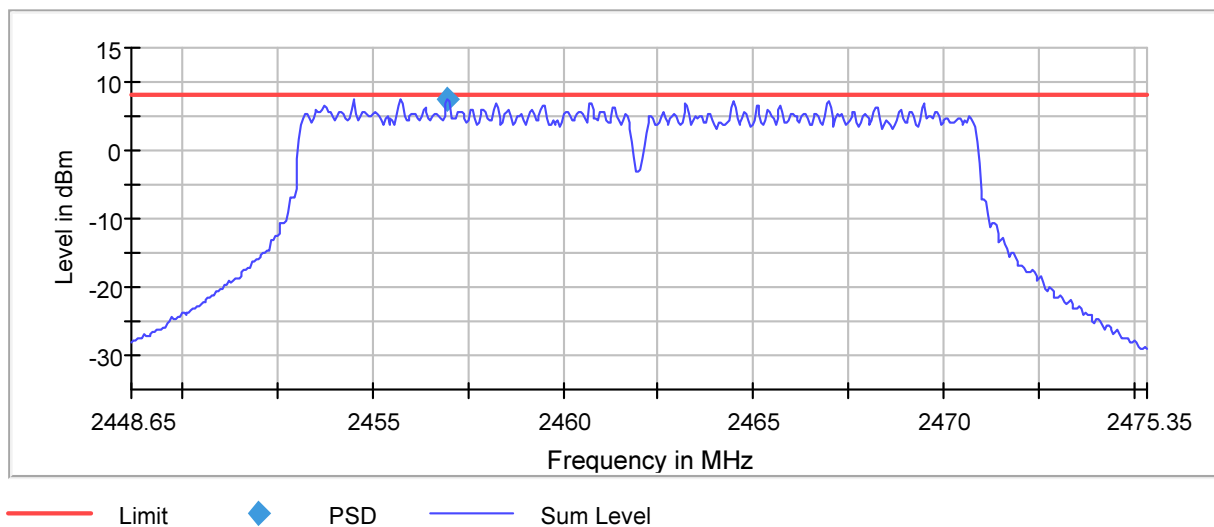
Peak Power Spectral Density



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax20 MCS11
Frequency Tested	2462MHz
Result	PSD = 7.607dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2462.000000	2456.975000	7.607	8.0	PASS

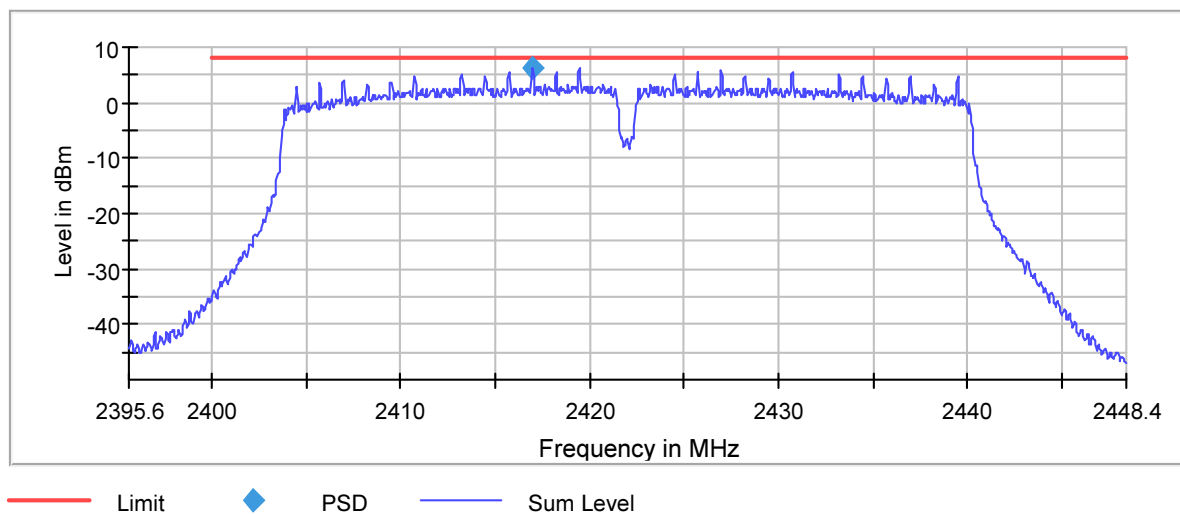
Peak Power Spectral Density



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2422MHz
Result	PSD = 6.262dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2422.000000	2416.975000	6.262	8.0	PASS

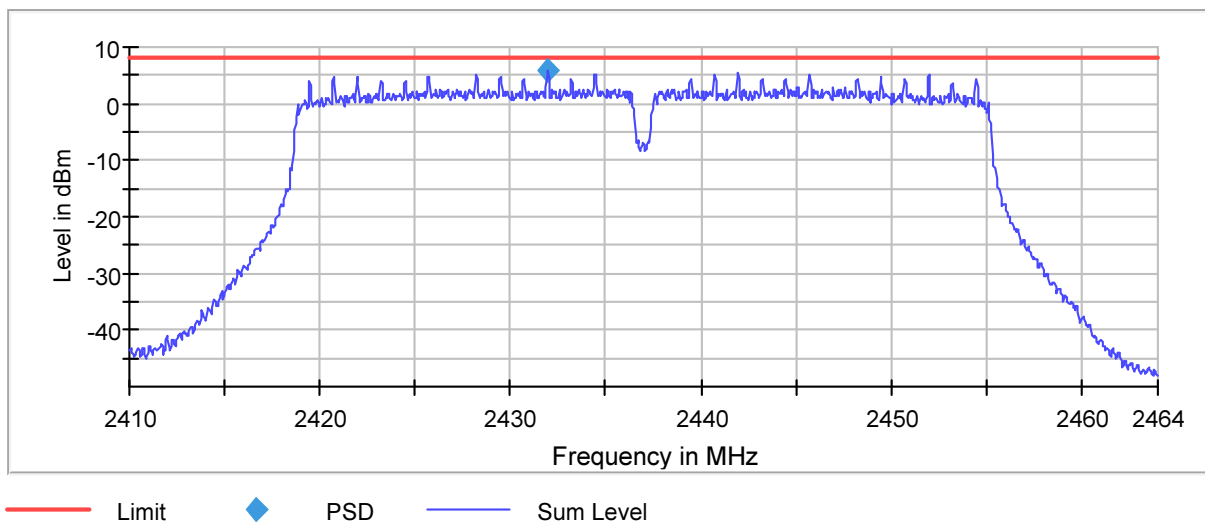
Peak Power Spectral Density



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2437MHz
Result	PSD = 5.759dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2437.000000	2431.975000	5.759	8.0	PASS

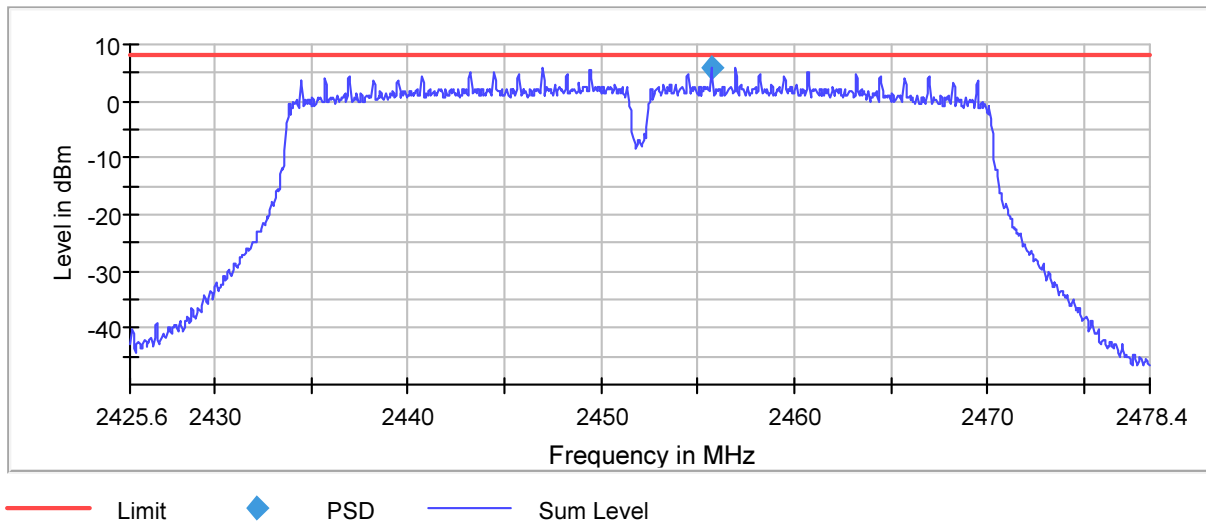
Peak Power Spectral Density



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2452MHz
Result	PSD = 5.799dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2452.000000	2455.725000	5.799	8.0	PASS

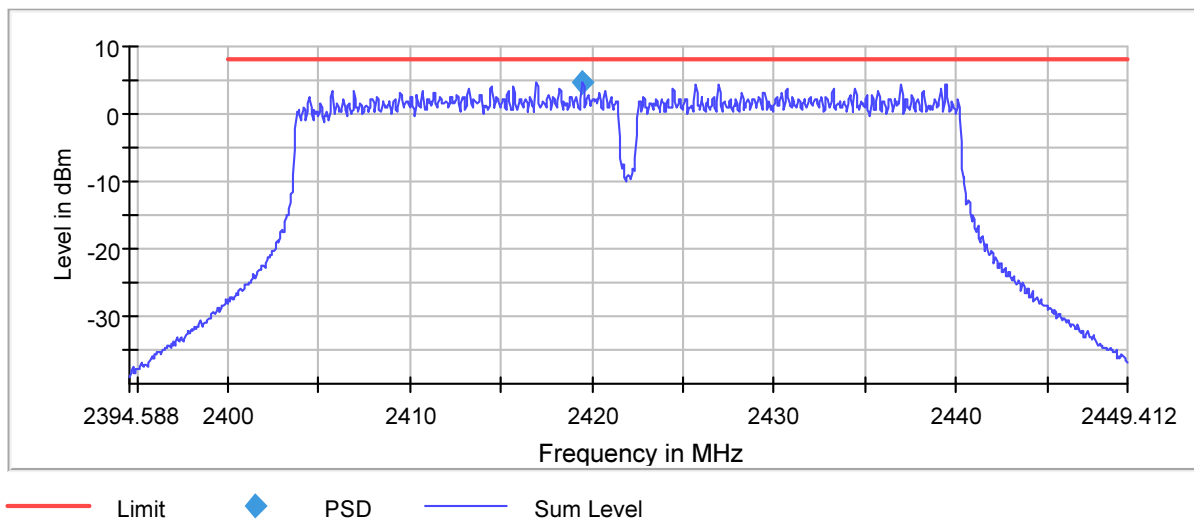
Peak Power Spectral Density



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2422MHz
Result	PSD = 4.790dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2422.000000	2419.473848	4.790	8.0	PASS

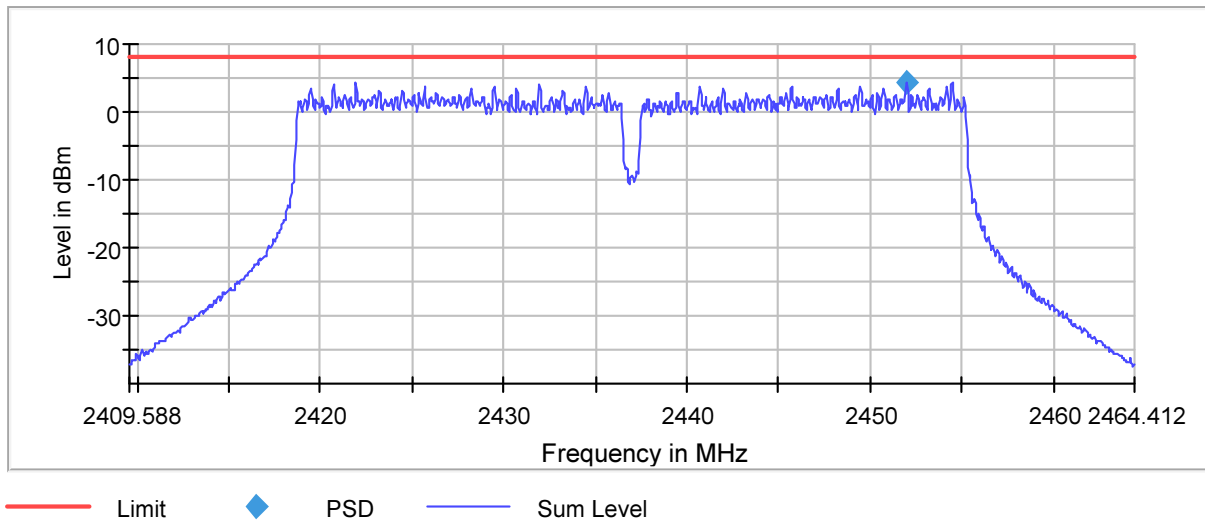
Peak Power Spectral Density



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2437MHz
Result	PSD = 4.312dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2437.000000	2451.981832	4.312	8.0	PASS

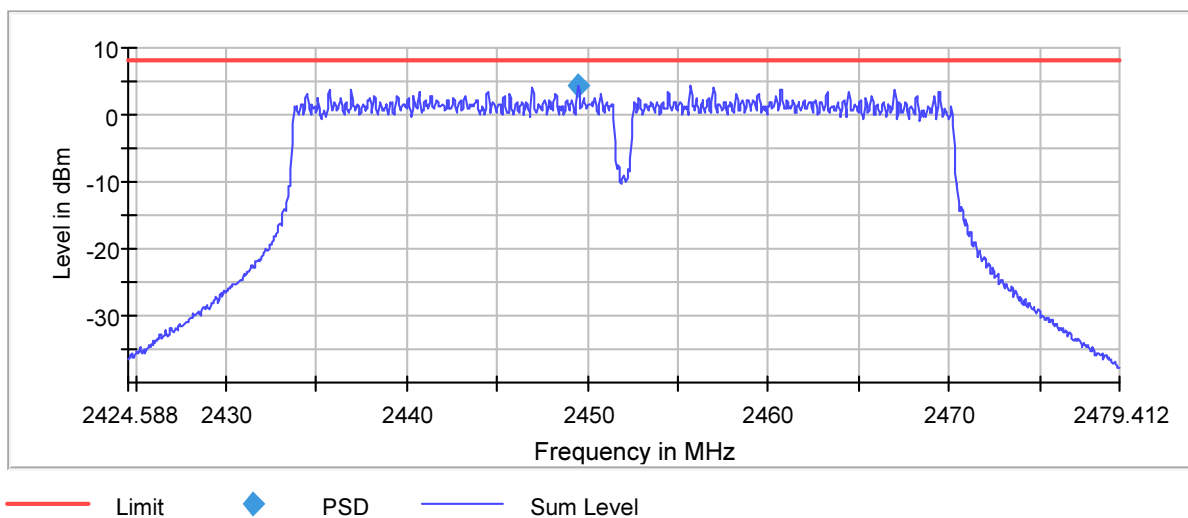
Peak Power Spectral Density



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11n40 MCS0
Frequency Tested	2452MHz
Result	PSD = 4.309dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2452.000000	2449.473848	4.309	8.0	PASS

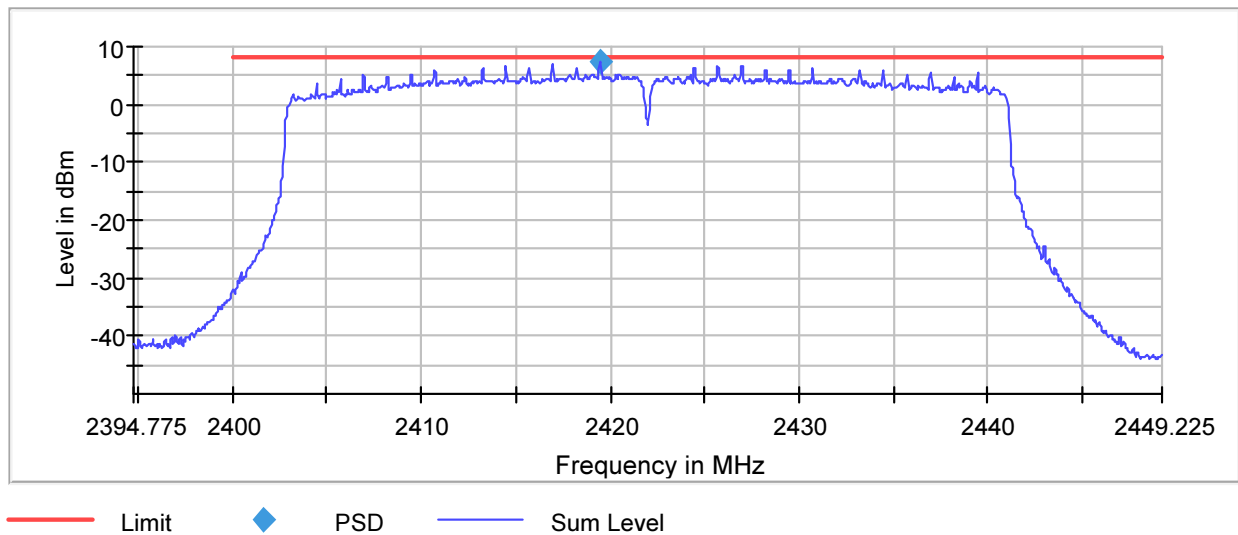
Peak Power Spectral Density



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2422MHz
Result	PSD = 7.285dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2422.000000	2419.450000	7.285	8.0	PASS

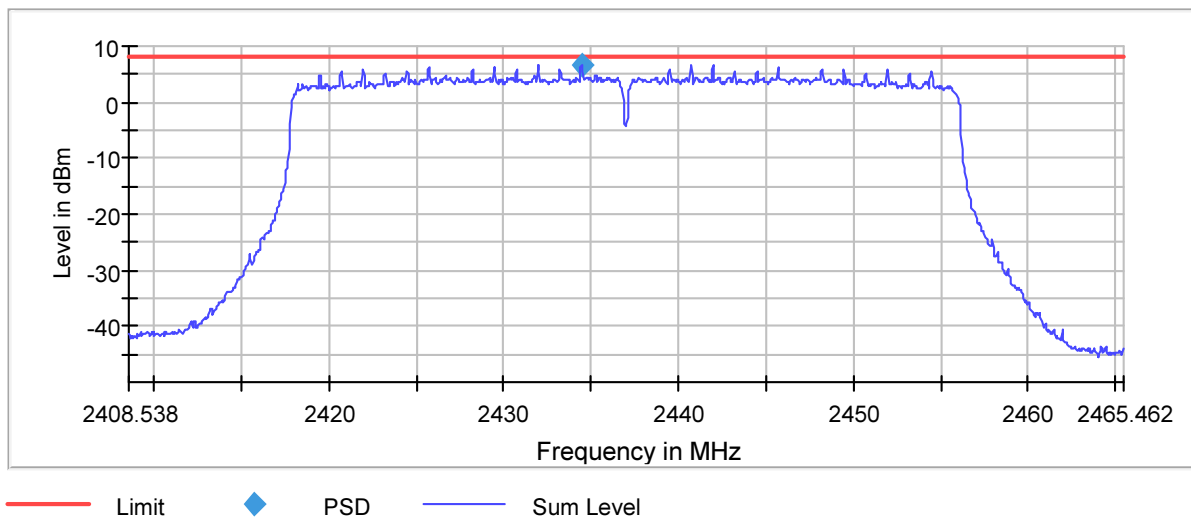
Peak Power Spectral Density



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2437MHz
Result	PSD = 6.753dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2437.000000	2434.473891	6.753	8.0	PASS

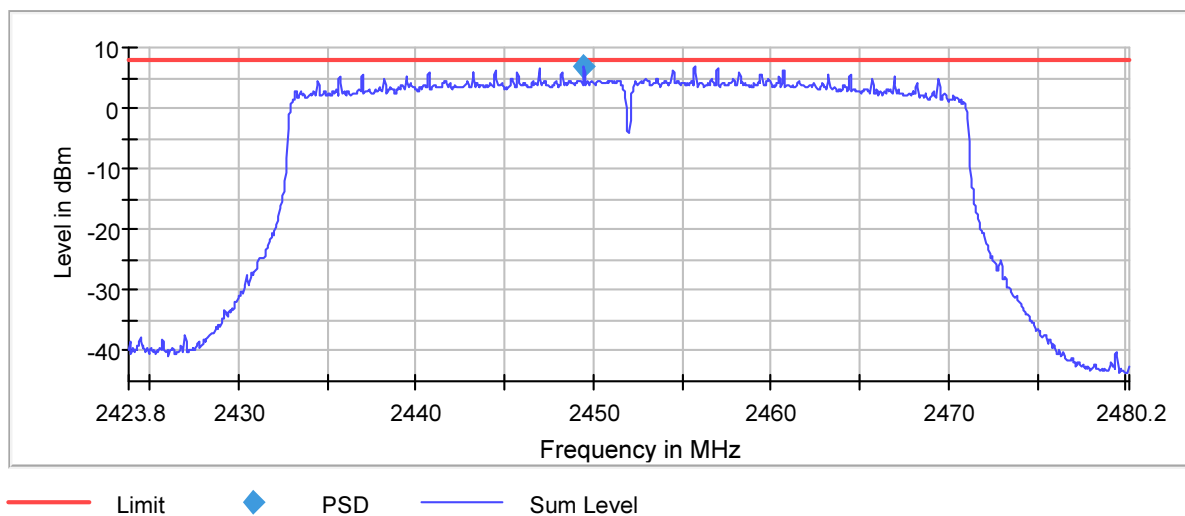
Peak Power Spectral Density



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS0
Frequency Tested	2452MHz
Result	PSD = 6.958dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2452.000000	2449.475000	6.958	8.0	PASS

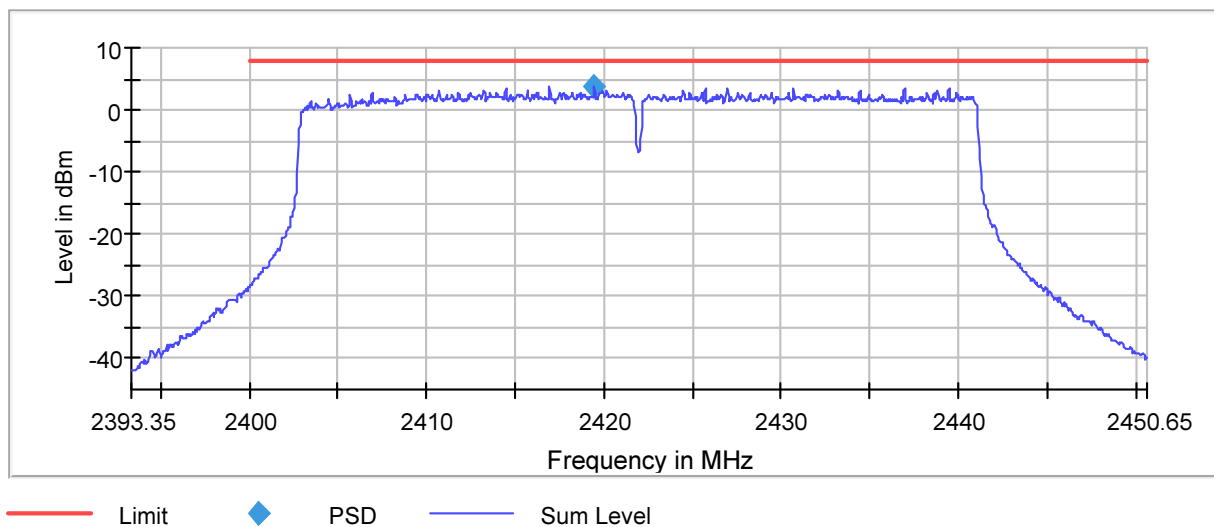
Peak Power Spectral Density



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS11
Frequency Tested	2422MHz
Result	PSD = 3.964dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2422.000000	2419.475000	3.964	8.0	PASS

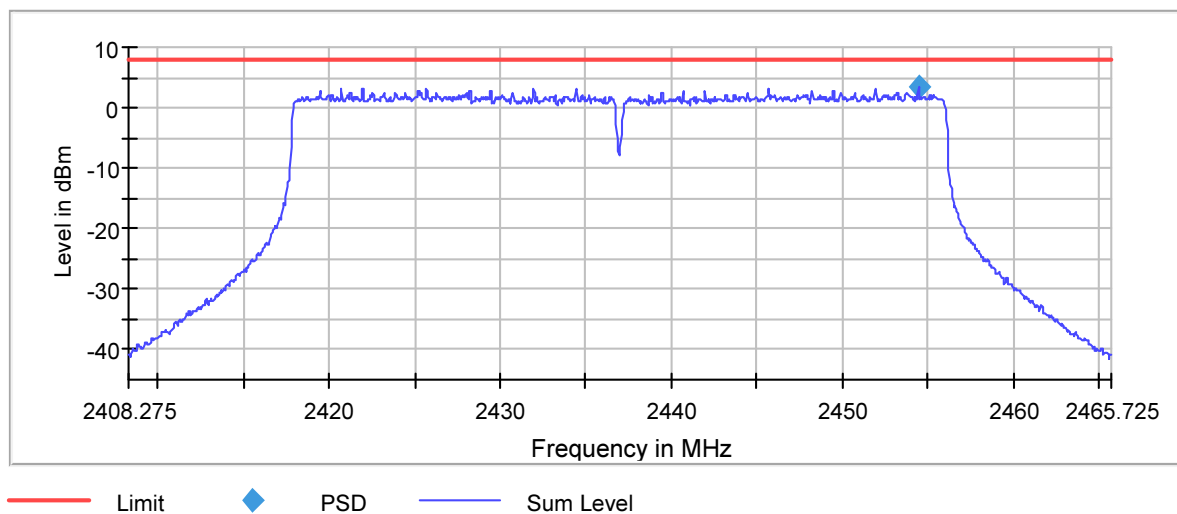
Peak Power Spectral Density



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS11
Frequency Tested	2437MHz
Result	PSD = 3.491dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2437.000000	2454.450000	3.491	8.0	PASS

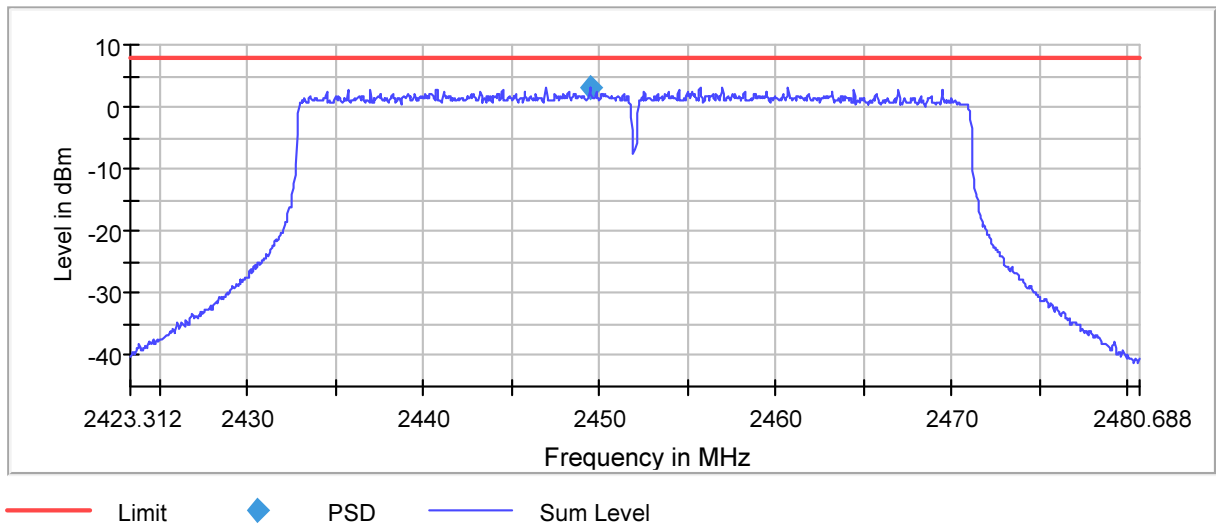
Peak Power Spectral Density



Test Details	
Manufacturer	Righthand Technologies Inc
EUT	CABINLINK6 WAP
Model No.	CL6
Serial No.	CL6W100037
Mode	Tx – 802.11ax40 MCS11
Frequency Tested	2452MHz
Result	PSD = 3.273dBm
Notes	None

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2452.000000	2449.476100	3.273	8.0	PASS

Peak Power Spectral Density



28. Scope of Accreditation

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELITE ELECTRONIC ENGINEERING, INC.
1516 Centre Circle
Downers Grove, IL 60515
Robert Bugielski (QA Manager) Phone: 630 495 9770 ext. 168
Email: rbugielski@elitetest.com
Craig Fanning (EMC Lab Manager) Phone: 630 495 9770 ext. 112
Email: cfanning@elitetest.com
Brandon Lugo (Automotive Team Leader) Phone: 630 495 9770 ext. 163
Email: blugo@elitetest.com
Richard King (FCC/Commercial Team Leader) Phone: 630 495 9770 ext. 123
Email: reking@elitetest.com
Website: www.elitetest.com

ELECTRICAL

Valid To: June 30, 2025

Certificate Number: 1786.01

In recognition of the successful completion of the A2LA Accreditation Program evaluation process, accreditation is granted to this laboratory to perform the following automotive electromagnetic compatibility and other electrical tests:

Test Technology:Test Method(s)¹:

Transient Immunity
(Max Voltage 60V/Max current 100A)

ISO 7637-2 (including emissions); ISO 7637-3;
ISO 16750-2:2012, Sections 4.6.3 and 4.6.4;
CS-11979, Section 6.4; CS.00054, Section 5.9;
EMC-CS-2009.1 (CI220); FMC1278 (CI220, CI221, CI222);
GMW 3097, Section 3.5; SAE J1113-11; SAE J1113-12;
ECE Regulation 10.06 Annex 10

Electrostatic Discharge (ESD)
(Up to +/-25kV)

ISO 10605 (2001, 2008);
CS-11979 Section 7.0; CS.00054, Section 5.10;
EMC-CS-2009.1 (CI 280); FMC1278 (CI280); SAE J1113-13;
GMW 3097 Section 3.6

Conducted Emissions

CISPR 25 (2002, 2008), Sections 6.2 and 6.3;
CISPR 25 (2016), Sections 6.3 and 6.4;
CS-11979, Section 5.1; CS.00054, Sections 5.6.1 and 5.6.2;
GMW 3097, Section 3.3.2;
EMC-CS-2009.1 (CE 420); FMC1278 (CE420, CE421,
CE 430, CE440)

(A2LA Cert. No. 1786.01) 08/15/2023



Page 1 of 9

5202 Presidents Court, Suite 220 | Frederick, MD 21703-8515 | Phone: 301 644 3248 | Fax: 240 454 9449 | www.A2LA.org

Test Technology:
Test Method(s)¹:

Radiated Emissions Anechoic
(Up to 6GHz)

CISPR 25 (2002, 2008), Section 6.4;
CISPR 25 (2016), Section 6.5;
CS-11979, Section 5.3; CS.00054, Section 5.6.3;
GMW 3097, Section 3.3.1;
EMC-CS-2009.1 (RE 310); FMC1278 (RE310, RE320);

Vehicle Radiated Emissions

CISPR 12; CISPR 36; ICES-002;
ECE Regulation 10.06 Annex 5

Bulk Current Injection (BCI)
(1 to 400MHz 500mA)

ISO 11452-4; CS-11979, Section 6.1; CS.00054, Section 5.8.1;
GMW 3097, Section 3.4.1; SAE J1113-4;
EMC-CS-2009.1 (RI112); FMC1278 (RI112);
ECE Regulation 10.06 Annex 9

Radiated Immunity Anechoic
(Up to 6GHz and 200V/m)
(Including Radar Pulse 600V/m)

ISO 11452-2;
CS-11979, Section 6.2; CS.00054, Section 5.8.2;
GMW 3097, Section 3.4.2;
EMC-CS-2009.1 (RI114); FMC1278 (RI114); SAE J1113-21;
ECE Regulation 10.06 Annex 9

Radiated Immunity Magnetic Field

ISO 11452-8; FMC 1278 (RI140)

Radiated Immunity Reverb
(360MHz to 6GHz and 100V/m)

ISO/IEC 61000-4-21; GMW 3097, Section 3.4.3;
EMC-CS-2009.1 (RI114); FMC1278 (RI114);
ISO 11452-11

Radiated Immunity
(Portable Transmitters)
(Up to 6GHz and 20W)

ISO 11452-9;
EMC-CS-2009.1 (RI115); FMC1278 (RI115);
GMW 3097, Sec 3.4.4

Vehicle Radiated Immunity (ALSE)

ISO 11451-2; ECE Regulation 10.06 Annex 6

Vehicle Product Specific EMC Standards

EN 14982; EN ISO 13309; ISO 13766; EN 50498;
EC Regulation No. 2015/208; EN 55012

Electrical Loads

ISO 16750-2

Stripline

ISO 11452-5

Transverse Electromagnetic (TEM) Cell

ISO 11452-3

Test Technology:
Test Method(s)¹:
Emissions

Radiated and Conducted
(3m Semi-anechoic chamber,
up to 40 GHz)

47 CFR, FCC Part 15 B (using ANSI C63.4:2014);
47 CFR, FCC Part 18 (using FCC MP-5:1986);
ICES-001; ICES-003; ICES-005;
IEC/CISPR 11, Ed. 4.1 (2004-06); AS/NZS CISPR 11 (2004);
IEC/CISPR 11 Ed 5 (2009-05) + A1 (2010);
KN 11 (2008-5) with RRL Notice No. 2008-3 (May 20, 2008);
CISPR 11; EN 55011; KS C 9811; CNS 13803 (1997, 2003);
CISPR 14-1; EN 55014-1; AS/NZS CISPR 14.1;
CISPR 16-2-1 (2008); CISPR 16-2-1; KS C 9814-1; KN 14-1;
IEC/CISPR 22 (1997);
EN 55022 (1998) + A1(2000);
EN 55022 (1998) + A1(2000) + A2(2003); EN 55022 (2006);
IEC/CISPR 22 (2008-09); AS/NZS CISPR 22 (2004);
AS/NZS CISPR 22, 3rd Edition (2006); KN 22 (up to 6 GHz);
CNS 13438 (up to 6 GHz); VCCI V-3 (up to 6 GHz);
CISPR 32; EN 55032; KS C 9832; KN 32;
ECE Regulation 10.06 Annex 7 (Broadband);
ECE Regulation 10.06 Annex 8 (Narrowband);
ECE Regulation 10.06 Annex 14 (Conducted)

Cellular Radiated Spurious Emissions

ETSI TS 151 010-1 GSM; 3GPP TS 51.010-1, Sec 12;
ETSI TS 134 124 UMTS; 3GPP TS 34.124;
ETSI TS 136 124 LTE; E-UTRA; 3GPP TS 36.124

Current Harmonics

IEC 61000-3-2; IEC 61000-3-12;
EN 61000-3-2; KN 61000-3-2;
KS C 9610-3-2; ECE Regulation 10.06 Annex 11

Flicker and Fluctuations

IEC 61000-3-3; IEC 61000-3-11;
EN 61000-3-3; KN 61000-3-3;
KS C 9610-3-3; ECE Regulation 10.06 Annex 12

Immunity

Electrostatic Discharge

IEC 61000-4-2, Ed. 1.2 (2001);
IEC 61000-4-2 (1995) + A1(1998) + A2(2000);
EN 61000-4-2 (1995); EN 61000-4-2 (2009-05);
KN 61000-4-2 (2008-5);
RRL Notice No. 2008-4 (May 20, 2008);
IEC 61000-4-2; EN 61000-4-2; KN 61000-4-2;
KS C 9610-4-2; IEEE C37.90.3 2001

Radiated Immunity

IEC 61000-4-3 (1995) + A1(1998) + A2(2000);
IEC 61000-4-3, Ed. 3.0 (2006-02);
IEC 61000-4-3, Ed. 3.2 (2010);
KN 61000-4-3 (2008-5);
RRL Notice No. 2008-4 (May 20, 2008);
IEC 61000-4-3; EN 61000-4-3; KN 61000-4-3;
KS C 9610-4-3; IEEE C37.90.2 2004

Test Technology:
Test Method(s)¹:
Immunity (cont'd)

Electrical Fast Transient/Burst

IEC 61000-4-4, Ed. 2.0 (2004-07);
IEC 61000-4-4, Ed. 2.1 (2011);
IEC 61000-4-4 (1995) + A1(2000) + A2(2001);
KN 61000-4-4 (2008-5);
RRL Notice No. 2008-5 (May 20, 2008);
IEC 61000-4-4; EN 61000-4-4; KN 61000-4-4;
KS C 9610-4-4; ECE Regulation 10.06 Annex 15

Surge

IEC 61000-4-5 (1995) + A1(2000);
IEC 61000-4-5, Ed 1.1 (2005-11);
EN 61000-4-5 (1995) + A1(2001);
KN 61000-4-5 (2008-5);
RRL Notice No. 2008-4 (May 20, 2008);
IEC 61000-4-5; EN 61000-4-5; KN 61000-4-5;
KS C 9610-4-5;
IEEE C37.90.1 2012; IEEE STD C62.41.2 2002;
ECE Regulation 10.06 Annex 16

Conducted Immunity

IEC 61000-4-6 (1996) + A1(2000);
IEC 61000-4-6, Ed 2.0 (2006-05);
IEC 61000-4-6 Ed. 3.0 (2008);
KN 61000-4-6 (2008-5);
RRL Notice No. 2008-4 (May 20, 2008);
EN 61000-4-6 (1996) + A1(2001); IEC 61000-4-6;
EN 61000-4-6; KN 61000-4-6; KS C 9610-4-6

Power Frequency Magnetic Field
Immunity (*Down to 3 A/m*)

IEC 61000-4-8 (1993) + A1(2000); IEC 61000-4-8 (2009);
EN 61000-4-8 (1994) + A1(2000);
KN 61000-4-8 (2008-5);
RRL Notice No. 2008-4 (May 20, 2008);
IEC 61000-4-8; EN 61000-4-8; KN 61000-4-8; KS C 9610-4-8

Voltage Dips, Short Interrupts, and Line
Voltage Variations

IEC 61000-4-11, Ed. 2 (2004-03);
KN 61000-4-11 (2008-5);
RRL Notice No. 2008-4 (May 20, 2008);
IEC 61000-4-11; EN 61000-4-11; KN 61000-4-11;
KS C 9610-4-11

Ring Wave

IEC 61000-4-12, Ed. 2 (2006-09);
EN 61000-4-12:2006;
IEC 61000-4-12; EN 61000-4-12; KN 61000-4-12;
IEEE STD C62.41.2 2002

Test Technology:

Generic and Product Specific EMC Standards

Test Method(s):

IEC/EN 61000-6-1; AS/NZS 61000-6-1; KN 61000-6-1;
KS C 9610-6-1; IEC/EN 61000-6-2; AS/NZS 61000-6-2;
KN 61000-6-2; KS C 9610-6-2; IEC/EN 61000-6-3;
AS/NZS 61000-6-3; KN 61000-6-3; KS C 9610-6-3;
IEC/EN 61000-6-4; AS/NZS 61000-6-4; KN 61000-6-4;
KS C 9610-6-4; EN 50130-4; EN 61326-1; EN 50121-3-2;
EN 12895; EN 50270; EN 50491-1; EN 50491-2; EN 50491-3;
EN 55015; EN 60730-1; EN 60945; IEC 60533;
EN 61326-2-6; EN 61800-3; IEC/CISPR 14-2; EN 55014-2;
AS/NZS CISPR 14-2; KN 14-2; KS C 9814-2;
IEC/CISPR 24; AS/NZS CISPR 24; EN 55024; KN 24;
IEC/CISPR 35; AS/NZS CISPR 35; EN 55035; KN 35;
KS C 9835; IEC 60601-1-2; JIS T0601-1-2

TxRx EMC Requirements

EN 301 489-1; EN 301 489-3; EN 301 489-9;
EN 301 489-17; EN 301 489-19; EN 301 489-20

European Radio Test Standards

ETSI EN 300 086-1; ETSI EN 300 086-2;
ETSI EN 300 113-1; ETSI EN 300 113-2;
ETSI EN 300 220-1; ETSI EN 300 220-2;
ETSI EN 300 220-3-1; ETSI EN 300 220-3-2;
ETSI EN 300 330-1; ETSI EN 300 330-2;
ETSI EN 300 440-1; ETSI EN 300 440-2;
ETSI EN 300 422-1; ETSI EN 300 422-2;
ETSI EN 300 328; ETSI EN 301 893;
ETSI EN 301 511; ETSI EN 301 908-1;
ETSI EN 908-2; ETSI EN 908-13;
ETSI EN 303 413; ETSI EN 302 502;
EN 303 340; EN 303 345-2; EN 303 345-3; EN 303 345-4

Canadian Radio Tests

RSS-102 measurement (RF Exposure Evaluation);
RSS-102 measurement (Nerve Stimulation);
SPR-002; RSS-111; RSS-112; RSS-117; RSS-119; RSS-123;
RSS-125; RSS-127; RSS-130; RSS-131; RSS-132; RSS-133;
RSS-134; RSS-135; RSS-137; RSS-139; RSS-140; RSS-141;
RSS-142; RSS-170; RSS-181; RSS-182; RSS-191; RSS-192;
RSS-194; RSS-195; RSS-196; RSS-197; RSS-199; RSS-210;
RSS-211; RSS-213; RSS-215; RSS-216; RSS-220; RSS-222;
RSS-236; RSS-238; RSS-243; RSS-244; RSS-247; RSS-248;
RSS-251; RSS-252; RSS-287; RSS-288; RSS-310; RSS-GEN

Mexico Radio Tests

IFT-008-2015; NOM-208-SCFI-2016

Japan Radio Tests

Radio Law No. 131, Ordinance of MPT No. 37, 1981,
MIC Notification No. 88:2004, Table No. 22-11;
ARIB STD-T66, Regulation 18

Taiwan Radio Tests

LP-0002 (July 15, 2020)

Test Technology:
Test Method(s)¹:
Australia/New Zealand Radio Tests

AS/NZS 4268; Radiocommunications (Short Range Devices) Standard (2014)

Hong Kong Radio Tests

HKCA 1039 Issue 6;
HKCA 1042;
HKCA 1033 Issue 7;
HKCA 1061;
HKCA 1008;
HKCA 1043;
HKCA 1057;
HKCA 1073

Korean Radio Test Standards

KN 301 489-1; KN 301 489-3; KN 301 489-9;
KN 301 489-17; KN 301 489-52; KS X 3124; KS X 3125;
KS X 3130; KS X 3126; KS X 3129

Vietnam Radio Test Standards

QCVN 47:2015/BTTTT; QCVN 54:2020/BTTTT;
QCVN 55:2011/BTTTT; QCVN 65:2013/BTTTT;
QCVN 73:2013/BTTTT; QCVN 74:2020/BTTTT;
QCVN 112:2017/BTTTT; QCVN 117:2020/BTTTT

Vietnam EMC Test Standards

QCVN 18:2014/BTTTT; QCVN 86:2019/BTTTT;
QCVN 96:2015/BTTTT; QCVN 118:2018/BTTTT

*Unlicensed Radio Frequency Devices
(3 Meter Semi-Anechoic Room)*

47 CFR FCC Part 15C, 15D, 15E, 15F, 15G, 15H
(using ANSI C63.10:2013, ANSI C63.17:2013 and
FCC KDB 905462 D02 (v02))

Licensed Radio Service Equipment

47 CFR FCC Parts 20, 22, 24, 25, 27, 30, 73, 74, 80, 87,
90, 95, 96, 97, 101 (using ANSI/TIA-603-E,
TIA-102.CAAA-E, ANSI C63.26:2015)

OIA (Over the Air) Performance

GSM, GPRS, EGPRS
UMTS (W-CDMA)
LTE including CAT M1
A-GPS for UMTS/GSM
LTS A-GPS, A-GLONASS,
SIB8/SIB16
Large Device/Laptop/Tablet Testing
Integrated Device Testing
WiFi 802.11 a/b/g/n/a

CTIA Test Plan for Wireless Device Over-the-Air
Performance (Method for Measurement for Radiated Power
and Receiver Performance) V3.8.2;
CTIA Test Plan for RF Performance Evaluation of WiFi
Mobile Converged Devices V2.1.0

Test Technology:
Test Method(s)¹:
Electrical Measurements and Simulation
AC Voltage / Current

(1mV to 5kV) 60 Hz
(0.1V to 250V) up to 500 MHz
(1μA to 150A) 60 Hz

FAA AC 150/5345-10H;
FAA AC 150/5345-43J;
FAA AC 150/5345-44K;
FAA AC 150/5345-46E;
FAA AC 150/5345-47C;
FAA EB 67D

DC Voltage / Current

(1mV to 15 kV) / (1μA to 10A)

Power Factor / Efficiency / Crest Factor

(Power to 30kW)

Resistance

(1mΩ to 4000MΩ)

Surge

(Up to 10 kV / 5 kA) (Combination
Wave and Ring Wave)

On the following products and materials:

Telecommunications Terminal Equipment (TTE), Radio Equipment, Network Equipment, Information Technology Equipment (ITE), Automotive Electronic Equipment, Automotive Hybrid Electronic Devices, Maritime Navigation and Radio Communication Equipment and Systems, Vehicles, Boats and Internal Combustion Engine Driven Devices, Automotive, Aviation, and General Lighting Products, Medical Electrical Equipment, Motors, Industrial, Scientific and Medical (ISM) Radio-Frequency Equipment, Household Appliances, Electric Tools, Low-voltage Switchgear and Control gear, Programmable Controllers, Electrical Equipment for Measurement, Control and Laboratory Use, Base Materials, Power and Data Transmission Cables and Connectors

¹ When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA R101 - General Requirements - Accreditation of ISO-IEC 17025 Laboratories.

Testing Activities Performed in Support of FCC Certification in Accordance with 47 Code of Federal Regulations and FCC KDB 974614, Appendix A, Table A.1²

Rule Subpart/Technology	Test Method	Maximum Frequency (MHz)
<u>Unintentional Radiators</u>		
Part 15B	ANSI C63.4:2014	40000
<u>Industrial, Scientific, and Medical Equipment</u>		
Part 18	FCC MP-5 (February 1986)	40000
<u>Intentional Radiators</u>		
Part 15C	ANSI C63.10:2013	40000

Testing Activities Performed in Support of FCC Certification in Accordance with 47 Code of Federal Regulations and FCC KDB 974614, Appendix A, Table A.1²

Rule Subpart/Technology	Test Method	Maximum Frequency (MHz)
<u>Unlicensed Personal Communication Systems Devices</u>		
Part 15D	ANSI C63.17:2013	40000
<u>U-NII without DFS Intentional Radiators</u>		
Part 15E	ANSI C63.10:2013	40000
<u>U-NII with DFS Intentional Radiators</u>		
Part 15E	FCC KDB 905462 D02 (v02)	40000
<u>UWB Intentional Radiators</u>		
Part 15F	ANSI C63.10:2013	40000
<u>BPL Intentional Radiators</u>		
Part 15G	ANSI C63.10:2013	40000
<u>White Space Device Intentional Radiators</u>		
Part 15H	ANSI C63.10:2013	40000
<u>Commercial Mobile Services (FCC Licensed Radio Service Equipment)</u>		
Parts 22 (cellular), 24, 25 (below 3 GHz), and 27	ANSI/TIA-603-E; TIA-102.CAAA-E; ANSI C63.26:2015	40000
<u>General Mobile Radio Services (FCC Licensed Radio Service Equipment)</u>		
Parts 22 (non-cellular), 90 (below 3 GHz), 95, 97, and 101 (below 3 GHz)	ANSI/TIA-603-E; TIA-102.CAAA-E; ANSI C63.26:2015	40000
<u>Citizens Broadband Radio Services (FCC Licensed Radio Service Equipment)</u>		
Part 96	ANSI/TIA-603-E; TIA-102.CAAA-E; ANSI C63.26:2015	40000
<u>Maritime and Aviation Radio Services</u>		
Parts 80 and 87	ANSI/TIA-603-E; ANSI C63.26:2015	40000
<u>Microwave and Millimeter Bands Radio Services</u>		
Parts 25, 30, 74, 90 (above 3 GHz), 97 (above 3 GHz), and 101	ANSI/TIA-603-E; TIA-102.CAAA-E; ANSI C63.26:2015	40000

Testing Activities Performed in Support of FCC Certification in Accordance with 47 Code of Federal Regulations and FCC KDB 974614, Appendix A, Table A.1²

Rule Subpart/Technology	Test Method	Maximum Frequency (MHz)
<u>Broadcast Radio Services</u> Parts 73 and 74 (below 3 GHz)	ANSI/TIA-603-E; TIA-102.CAAA-E; ANSI C63.26:2015	40000
<u>Signal Boosters</u> Part 20 (Wideband Consumer Signal Boosters, Provider-specific signal boosters, and Industrial Signal Boosters) Section 90.219	ANSI C63.26:2015	40000

² Accreditation does not imply acceptance to the FCC equipment authorization program. Please see the FCC website (<https://apps.fcc.gov/oetcf/eas/>) for a listing of FCC approved laboratories.



Accredited Laboratory

A2LA has accredited

ELITE ELECTRONIC ENGINEERING INC.

Downers Grove, IL

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 15th day of August 2023.



Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1786.01
Valid to June 30, 2025

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.