

Report on the Radio Testing
For
Dyson Technology Ltd
on
RB03 Dyson 360 VISNAV
Report no. TRA-047957-45-09C
18th August 2021

RF930



Report Number: TRA-047957-45-09C
Issue: C

REPORT ON THE RADIO TESTING OF A
Dyson Technology Ltd
RB03 Dyson 360 VISNAV
WITH RESPECT TO SPECIFICATION
FCC 47CFR Subpart E

TEST DATE: 2020-06-10 to 2021-03-01

Tested by: A Longley, A Tosif & D Garvey

Written by: 

A Tosif
Radio Test Engineer

Approved by:



Digitally signed by Daniel Winstanley
DN: cn=Daniel Winstanley, o=Element, ou,
email=daniel.winstanley@element.com,
c=GB
Date: 2021.08.18 09:42:20 +01'00'
Adobe Acrobat version: 2021.005.20060

D Winstanley
Radio Senior Test Engineer

Date: 18th August 2021

Disclaimers:

- [1] THIS DOCUMENT MAY BE REPRODUCED ONLY IN ITS ENTIRETY AND WITHOUT CHANGE
[2] THE RESULTS CONTAINED IN THIS DOCUMENT RELATE ONLY TO THE ITEM(S) TESTED

RF930

1 Revision Record

<i>Issue Number</i>	<i>Issue Date</i>	<i>Revision History</i>
A	13 th April 2021	Original
B	25 th May 2021	Update after certification check
C	18th August 2021	FCC power settings without ISED reduction

2 Summary

TEST REPORT NUMBER:	TRA-047957-45-09C
WORKS ORDER NUMBER:	TRA-047957-03
PURPOSE OF TEST:	Testing of radio frequency equipment per the relevant authorization procedure of chapter 47 of CFR (code of federal regulations) Part 2, subpart J.
TEST SPECIFICATION:	47CFR15 Subpart E
EQUIPMENT UNDER TEST (EUT):	RB03 Dyson 360 VISNAV
FCC IDENTIFIER:	QVHRB03001
MANUFACTURER/AGENT:	Dyson Technology Ltd
ADDRESS:	Tetbury Hill Malmesbury Wiltshire SN16 0RP United Kingdom
CLIENT CONTACT:	Neil Taylor ☎ 01666834364 ✉ neil.taylor@dyson.com
ORDER NUMBER:	6000061185
TEST DATE:	2020-06-10 to 2021-03-01
TESTED BY:	A Longley, A Tosif & D Garvey Element

2.1 Test Summary

<i>Test Method and Description</i>	<i>Requirement Clause 47CFR15</i>	<i>Applicable to this equipment</i>	<i>Result / Note</i>
Radiated spurious emissions (restricted bands of operation and cabinet radiation)	15.205	☒	PASS
AC power line conducted emissions	15.207	☒	PASS
Occupied bandwidth	15.407(e)	☒	PASS
Output power	15.407(a)	☒	PASS
Power spectral density	15.407(a)	☒	PASS
Conducted / radiated RF power out-of-band	15.407(b)	☒	PASS
Occupied bandwidth	15.407(a)	☒	Note 1
TPC	15.407(h1)	☐	Note 2
DFS	15.407(h2)	☒	Note 3

Notes:

Note 1: No limits are defined in the standard. Bandwidth is required to calculate the power limits.

Note 2: Not applicable for 5150 MHz – 5250 MHz band. Also, not applicable if maximum EIRP is less than 500 mW (27 dBm).

Note 3: Not tested as per client's request.

The results contained in this report relate only to the items tested, in the condition at time of test, and were obtained in the period between the date of initial receipt of samples and the date of issue of the report.

The apparatus was set-up and exercised using the configurations, modes of operation and arrangements defined in this report only. Any modifications made are identified in Section 8 of this report.

Particular operating modes, apparatus monitoring methods and performance criteria required by the standards tested to have been performed except where identified in Section 5.2 of this test report (Deviations from Test Standards).

3 Contents

1	Revision Record	3
2	Summary	4
2.1	Test Summary	5
3	Contents	6
4	Introduction	7
5	Test Specifications	8
5.1	Normative References	8
5.2	Deviations from Test Standards	8
6	Glossary of Terms	9
7	Equipment Under Test	10
7.1	EUT Identification	10
7.2	System Equipment	10
7.3	EUT Mode of Operation	10
7.4	EUT Radio Frequency Parameters	11
7.5	EUT Description	11
8	Modifications	11
9	EUT Test Setup Photographs	12
9.1	Measurement software	13
10	General Technical Parameters	14
10.1	Normal Conditions	14
10.2	Varying Test Conditions	14
11	Radiated emissions	15
11.1	Definitions	15
11.2	Test Parameters	15
11.3	Test Method	15
11.4	Test Equipment	16
11.5	Test Results	17
12	AC power-line conducted emissions	253
12.1	Definition	253
12.2	Test Parameters	253
12.3	Test Limit	253
12.4	Test Method	254
12.5	Test Set-up Photograph	254
12.6	Test Equipment	255
12.7	Test Results	255
13	Occupied Bandwidth	257
13.1	Definition	257
13.2	Test Parameters	257
13.3	Test Method	257
13.4	Test Equipment	257
13.5	Test Results	258
14	Maximum conducted output power	340
14.1	Definition	340
14.2	Test Parameters	340
14.3	Test Method	341
14.4	Test Equipment	341
14.5	Test Results	341
15	Power spectral density	345
15.1	Definition	345
15.2	Test Parameters	345
15.3	Test Method	346
15.4	Test Equipment	346
15.5	Test Results	346
16	Measurement Uncertainty	350

4 Introduction

This report TRA-047957-45-09C presents the results of the Radio testing on a Dyson Technology Ltd, RB03 Dyson 360 VISNAV to specification 47CFR15 Radio Frequency Devices.

The testing was carried out for Dyson Technology Ltd by Element, at the address detailed below.

☒	Element Hull Unit E South Orbital Trading Park Hedon Road Hull HU9 1NJ UK	☐	Element Skelmersdale Unit 1 Pendle Place Skelmersdale West Lancashire WN8 9PN UK
-------------------------------------	---	--------------------------	--

This report details the configuration of the equipment, the test methods used and any relevant modifications where appropriate.

FCC Site Listing:

Element is accredited for the above sites under the US-UK MRA, designation numbers:

UK2007 Hull

UK2020 Skelmersdale

The test site requirements of ANSI C63.4-2014 are met up to 1 GHz.

The test site SVSWR requirements of CISPR 16-1-4:2010 are met over the frequency range 1 GHz to 18 GHz.

5 Test Specifications

5.1 Normative References

- FCC 47 CFR Ch. I – Part 15 – Radio Frequency Devices.
- FCC KDB Publication 905462 D02 v01r02 – Compliance measurement procedures for unlicensed-national information infrastructure devices operating in the 5250-5350 MHz and 5470-5725 MHz bands incorporating dynamic frequency selection.
- ANSI C63.10-2013 – American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.
- ANSI C63.4-2014 – American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz.
- KDB 789033 D02 General UNII Test Procedures New Rules v02r01
- KDB 662911 D01 Multiple Transmitter Output v02r01
- KDB 662911 D02 MIMO with Cross Polarized Antenna v01

5.2 Deviations from Test Standards

DFS was not tested as per client's request.

6 Glossary of Terms

§	denotes a section reference from the standard, not this document
AC	Alternating Current
ANSI	American National Standards Institute
BW	bandwidth
C	Celsius
CAC	Channel Availability Check
CFR	Code of Federal Regulations
CW	Continuous Wave
dB	decibel
dBm	dB relative to 1 milliwatt
DC	Direct Current
DFS	Dynamic Frequency Selection
DSSS	Direct Sequence Spread Spectrum
EIRP	Equivalent Isotropically Radiated Power
ERP	Effective Radiated Power
EUT	Equipment Under Test
FCC	Federal Communications Commission
FHSS	Frequency Hopping Spread Spectrum
Hz	hertz
IC	Industry Canada (now ISED)
ISED	Innovation, Science and Economic Development Canada
ITU	International Telecommunication Union
LBT	Listen Before Talk
LE-LAN	Licence-Exempt Local Area Network
m	metre
max	maximum
MIMO	Multiple Input and Multiple Output
min	minimum
MRA	Mutual Recognition Agreement
N/A	Not Applicable
PCB	Printed Circuit Board
PDF	Portable Document Format
Pt-mpt	Point-to-multipoint
Pt-pt	Point-to-point
PSD	Power Spectral Density
RF	Radio Frequency
RH	Relative Humidity
RMS	Root Mean Square
Rx	receiver
s	second
SVSWR	Site Voltage Standing Wave Ratio
TPC	Transmitter Power Control
Tx	transmitter
UKAS	United Kingdom Accreditation Service
U-NII	Unlicensed-National Information Infrastructure
V	volt
W	watt
Ω	ohm

7 Equipment Under Test

7.1 EUT Identification

- Name: RB03 Dyson 360 VISNAV
- Model Number: RB03
- Software Revision: RB03ED.11.99.101.0266
- Build Level / Revision Number: OR1

7.2 System Equipment

Equipment listed below forms part of the overall test setup and is required for equipment functionality and/or monitoring during testing. The compliance levels achieved in this report relate only to the EUT and not items given in the following list.

Lenovo ThinkPad X230 Laptop PC

7.3 EUT Mode of Operation

The mode of operation for transmitter test was as follows.

Using the supplied computer to set the EUT transmitting permanent modulated carrier on bottom, middle and top channels.

5 GHz Wi-Fi SISO			
Band		5150 MHz – 5250 MHz	5250 MHz – 5350 MHz
Modulation	Data Rate	Power Setting (Port A/B)	Power Setting (Port A/B)
802.11a	6 Mbps	15	15
802.11a	54 Mbps	15	15
802.11n20	MCS0	15	15
802.11n20	MCS7	13	13
802.11n40	MCS0	14	14
802.11n40	MCS7	12	12
802.11ac20	MCS0	13	13
802.11ac20	MCS8	13	13
802.11ac40	MCS0	12	12
802.11ac40	MCS9	12	12
802.11ac80	MCS0	8	8
802.11ac80	MCS9	8	8

5 GHz Wi-Fi MIMO			
Modulation	Data Rate	Power Setting (Port A/B)	Power Setting (Port A/B)
802.11n20 MIMO	MCS8	13	13
802.11n20 MIMO	MCS15	13	13
802.11n40 MIMO	MCS8	12	12
802.11n40 MIMO	MCS15	12	12
802.11ac20 MIMO	MCS0	13	13
802.11ac20 MIMO	MCS8	13	13
802.11ac40 MIMO	MCS0	12	12
802.11ac40 MIMO	MCS9	12	12
802.11ac80 MIMO	MCS0	8	8
802.11ac80 MIMO	MCS9	8	8

7.4 EUT Radio Frequency Parameters

Frequency of operation:	5.15 GHz – 5.35 GHz; 5.47 GHz – 5.725 GHz; 5.725 GHz – 5.85 GHz
Modulation types:	OFDM
Channel bandwidths:	20 MHz, 40 MHz & 80 MHz
Antenna type:	Two Integral Antennas
Maximum antenna gain:	Main Antenna: 6.7 dBi; AUX Antenna: 7.1 dBi
Duty Cycle:	100 %
Nominal Supply Voltage:	5 Vdc from internal power supply

7.5 EUT Description

The EUT is an autonomous Vacuum Cleaning Robot and Dock that has Bluetooth Low Energy, 2.4 GHz Wi-Fi and 5 GHz Wi-Fi Radios.

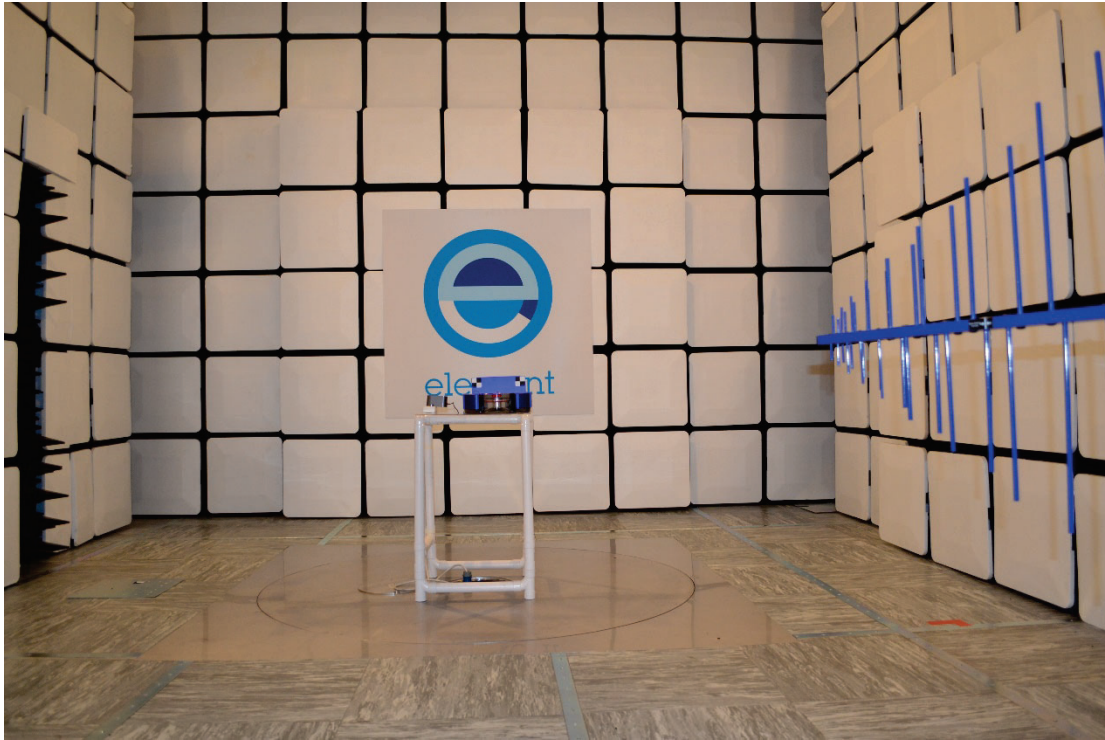
This report only covers the U-NII-1 and U-NII-2A bands of 5 GHz WLAN radio.

8 Modifications

No modifications were performed during this assessment.

9 EUT Test Setup Photographs

The following photographs shows basic EUT radiated set-up:





9.1 Measurement software

Where applicable, the following software was used to perform measurements contained within this report.

Element Emissions R5 (See Note)

Note: The version of the Element software used is recorded in the results sheets contained within this report.

10 General Technical Parameters

10.1 Normal Conditions

The EUT was tested under the normal environmental conditions of the test laboratory, except where otherwise stated. The normal power source applied was 5 Vdc from an internal power supply which was powered from a 14.8 Vdc fully charged battery, with charging station connected to 110 Vac, 60 Hz, from the mains. For conducted testing, 5 Vdc was supplied from desktop power supply.

10.2 Varying Test Conditions

Variation of supply voltage is required to ensure stability of the declared output power and frequency. During carrier power testing the following variations were made:

	Category	Nominal	Variation
☐	Mains	110V ac +/-2%	85% and 115%
☒	Internal Power Supply	5 Vdc	N/A

11 Radiated emissions

11.1 Definitions

Spurious emissions

Emissions on a frequency or frequencies, which are outside the necessary bandwidth and the level of which may be reduced without affecting the corresponding transmission of information. Spurious emissions include harmonic emissions, parasitic emissions, intermodulation products and frequency conversion products, but exclude out-of-band emissions.

Restricted bands

A frequency band in which intentional radiators are permitted to radiate only spurious emissions but not fundamental signals.

11.2 Test Parameters

Test Location:	Element Hull
Test Chamber:	Wireless Lab 3
Test Standard and Clause:	ANSI C63.10-2013, Clause 6.5 and 6.6
EUT Channel Bandwidths:	20 MHz / 40 MHz / 80 MHz
Deviations From Standard:	None
Measurement BW:	30 MHz to 1 GHz: 120 kHz; Above 1 GHz: 1 MHz
Measurement Detector:	Up to 1 GHz: quasi-peak Above 1 GHz: RMS average and Peak

Environmental Conditions (Normal Environment)

Temperature: 21 °C	+15 °C to +35 °C (as declared)
Humidity: 42 %RH	20%RH to 75%RH (as declared)

Test Limits

Unwanted emissions that fall within the restricted frequency bands shall comply with the limits specified:

General Field Strength Limits for License-Exempt Transmitters at Frequencies above 30 MHz

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

All emissions that fall in the non-restricted band, and outside of 5.15 GHz – 5.35 GHz band, shall not exceed an e.i.r.p. of -27 dBm/MHz. Unwanted emissions below 1 GHz must comply with the above general field strength limits.

11.3 Test Method

With the EUT setup as per section 9 of this report and connected as per Figure i, the emissions from the EUT were measured on a spectrum analyzer / EMI receiver.

Radiated electromagnetic emissions from the EUT are checked first by preview scans. Preview scans for all spectrum and modulation characteristics are checked, using a peak detector and where

applicable worst-case determined for function, operation, orientation, etc. for both vertical and horizontal polarisations. Pre-scan plots are shown with a peak detector and 100 kHz RBW.

If the EUT connects to auxiliary equipment and is table or floor standing, the configurations prescribed in ANSI C63.10 are followed. Alternatively, a layout closest to normal use (as declared by the provider) is employed, (see EUT setup photographs for more detail).

Emissions between 30 MHz and 1 GHz are measured using calibrated broadband antennas. Emissions above 1 GHz are characterized using standard gain horn antennas. Pre-amplifiers and filters are used where required. Care is taken to ensure that test receiver resolution bandwidth, video bandwidth and detector type(s) meet the regulatory requirements.

For both horizontal and vertical polarizations, the EUT is then rotated through 360 degrees in azimuth until the highest emission is detected. At the previously determined azimuth the test antenna is raised and lowered from 1 to 4 m in height until a maximum emission level is detected, this maximum value is recorded.

Power values measured on the test receiver / analyzer are converted to field strength, FS, in dB μ V/m at the regulatory distance, using:

$$FS = PR + CL + AF - PA + DC - CF$$

Where,

PR is the power recorded on the receiver / spectrum analyzer in dB μ V;

CL is the cable loss in dB;

AF is the test antenna factor in dB/m;

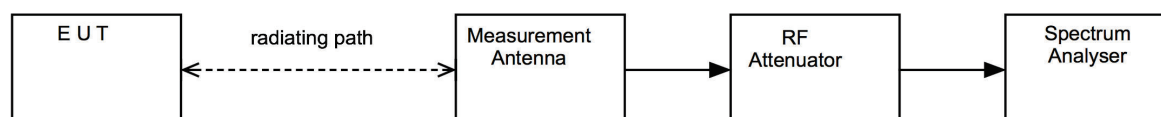
PA is the pre-amplifier gain in dB (where used);

DC is the duty correction factor in dB (where used, e.g. where average detector on pulsed harmonic understates the power);

CF is the distance factor in dB (where measurement distance different to limit distance);

This field strength value is then compared with the regulatory limit.

Figure i Test Setup



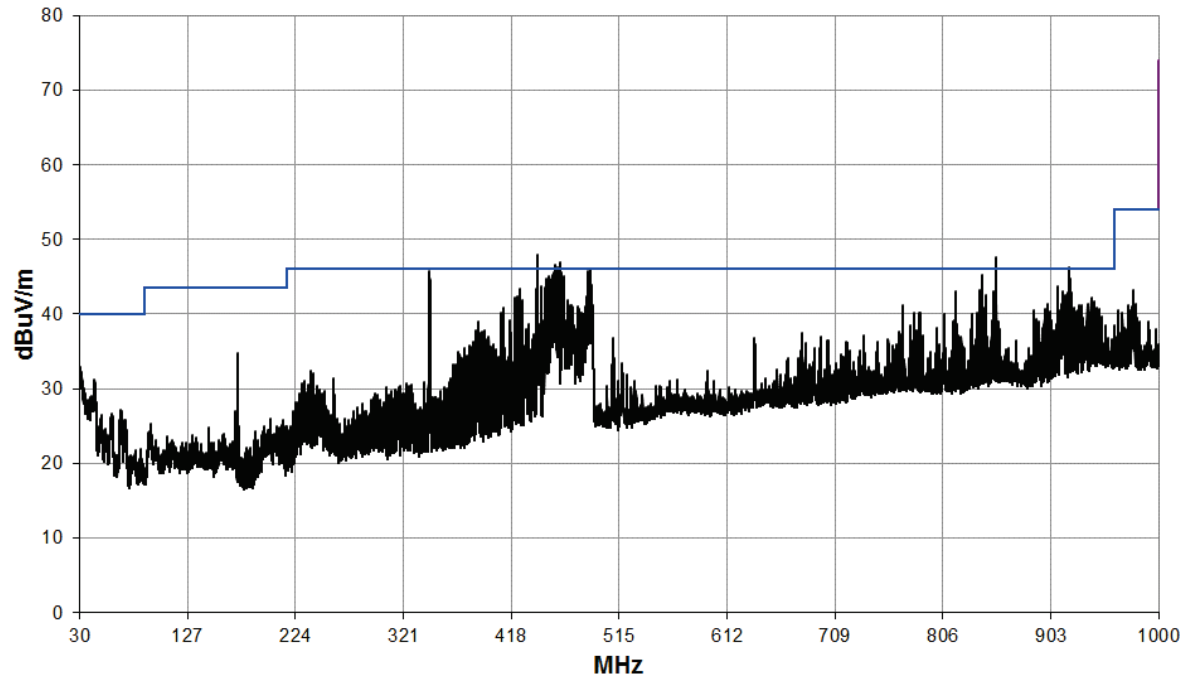
11.4 Test Equipment

Equipment Type	Manufacturer	Equipment Description	Element No	Due For Calibration
-	Rainford	Chamber	REF2259	2022-08-03
ESW26	R&S	EMI Test Receiver	REF2235	2021-08-31
CBL6111B	Chase	Bilog Antenna	REF2218	2021-10-23
LB-10180-NF	A Info Inc	Horn Antenna	REF2241	2022-07-13
LB-90-25-C2-SF	A Info Inc	Horn Antenna	REF2243	2022-07-17
LB-62-25-C-SF	A Info Inc	Horn Antenna	REF2244	2022-07-17
LB-180400-25-C-KF	A Info Inc	Horn Antenna	REF2246	2022-07-28
ESU40	R&S	Receiver	RFG701	2021-12-06
Emissions R5	Element	Radiated Test Software	REF9000	Cal not required

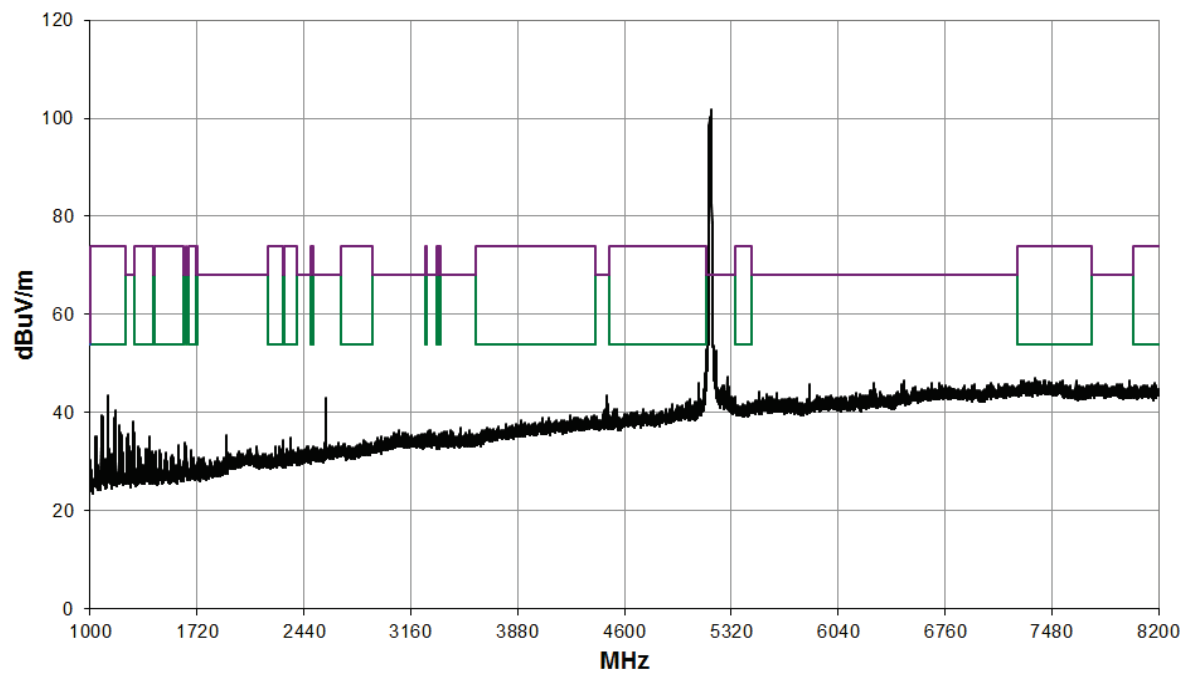
11.5 Test Results

SISO; Mode: 802.11a; Channel: CH36; Frequency: 5180 MHz; Bandwidth: 20 MHz; Rate: 6 Mbps										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	15542.0	48.4	10.9	31.8	34.4	0.0	47.2	-9.5	229.1	500
PK	15543.3	61.8	10.9	31.8	34.4	0.0	60.6	-9.5	1071.5	5000

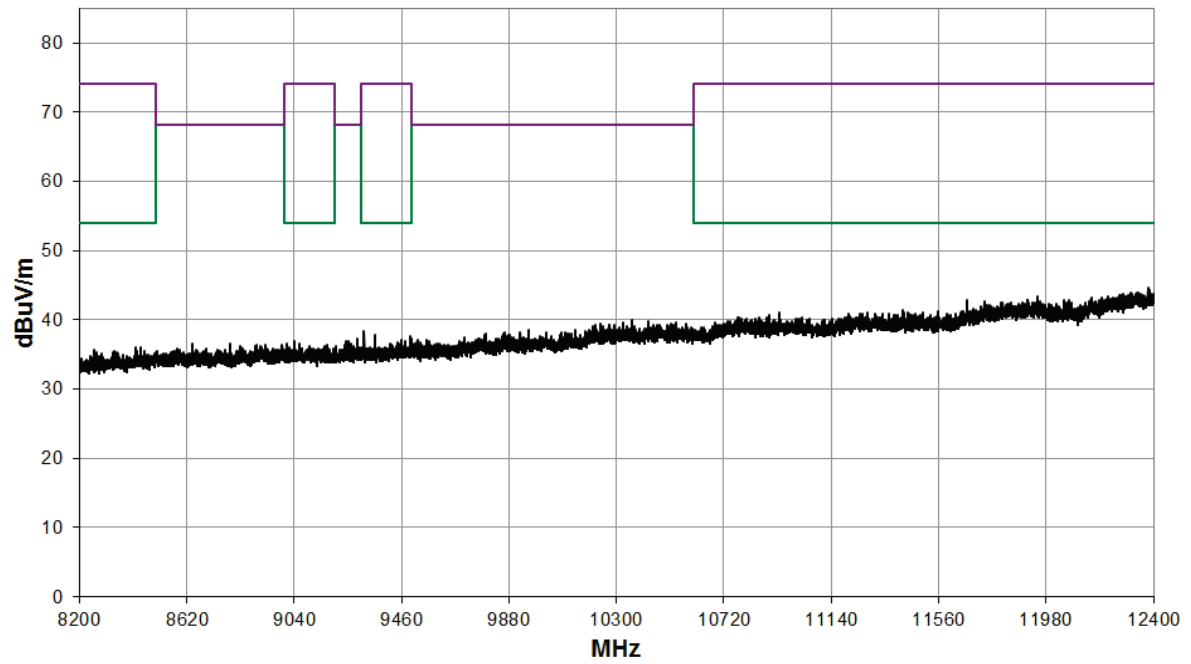
30 MHz to 1 GHz



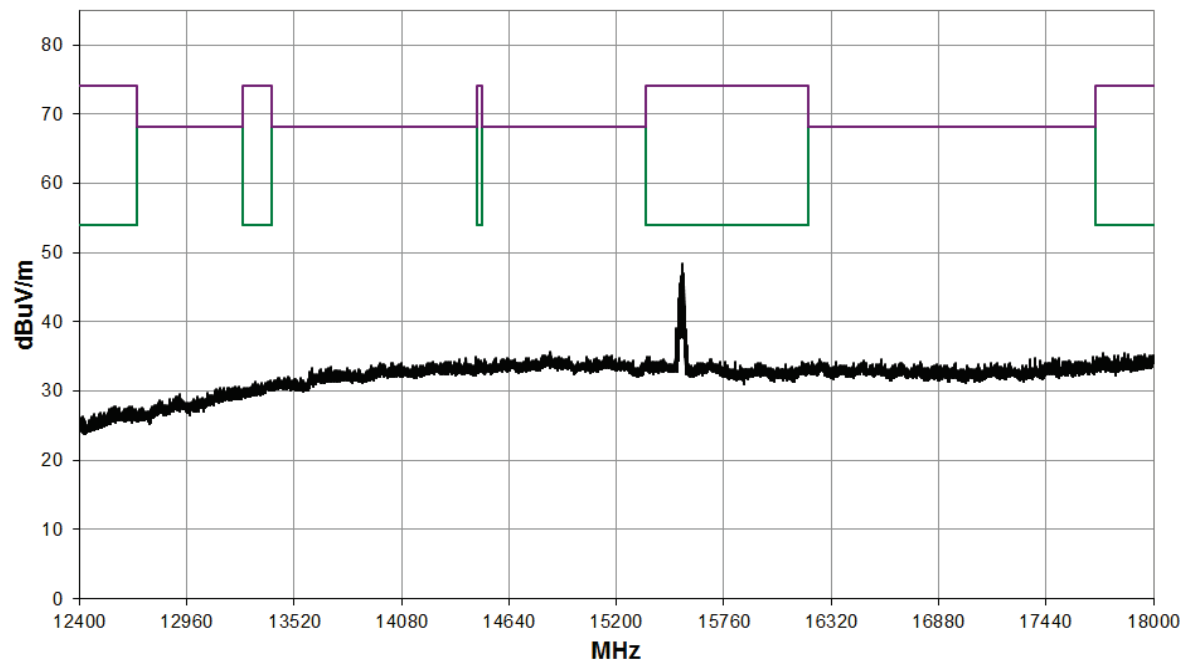
1 GHz to 8.2 GHz



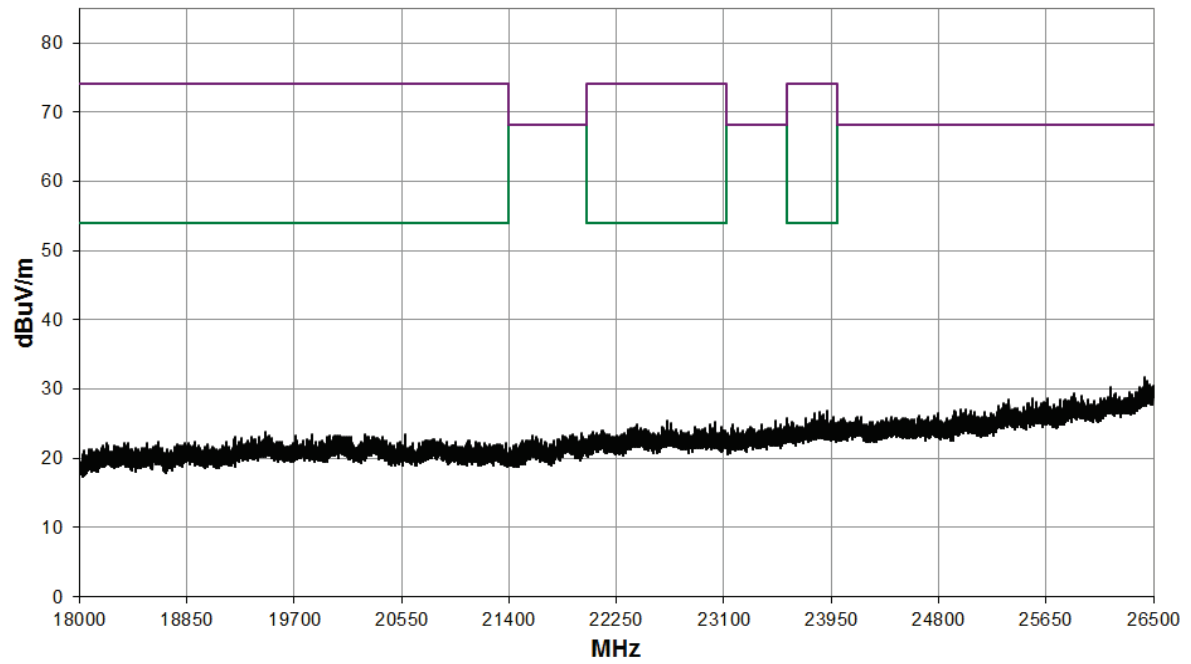
8.2 GHz to 12.4 GHz



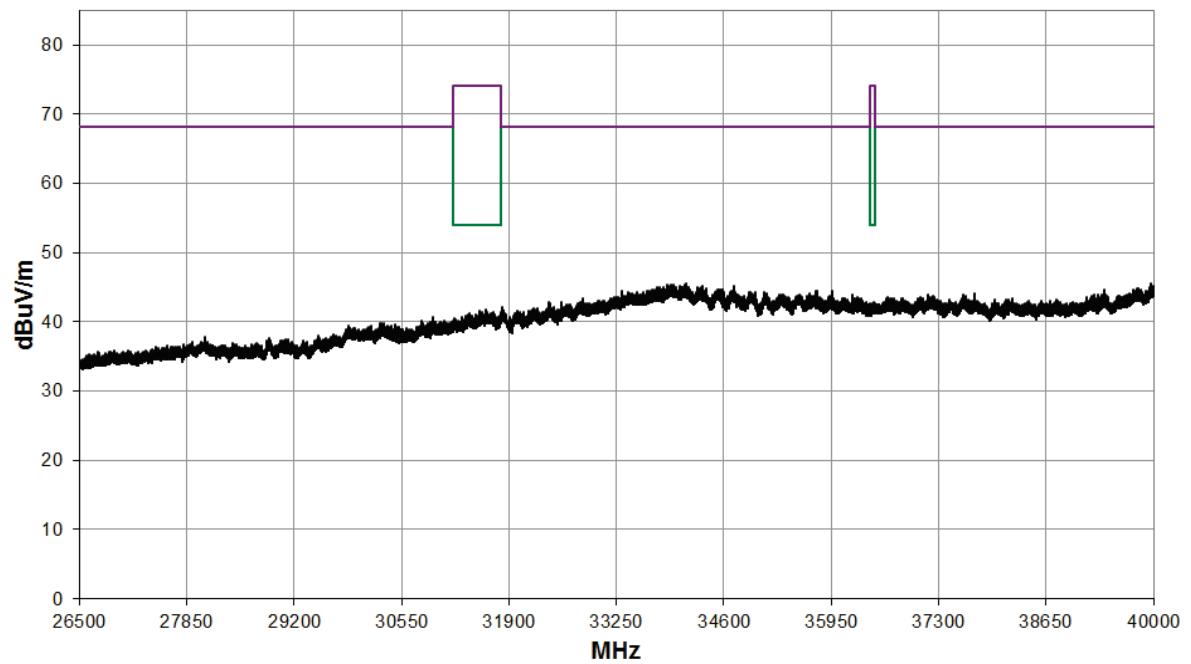
12.4 GHz to 18 GHz



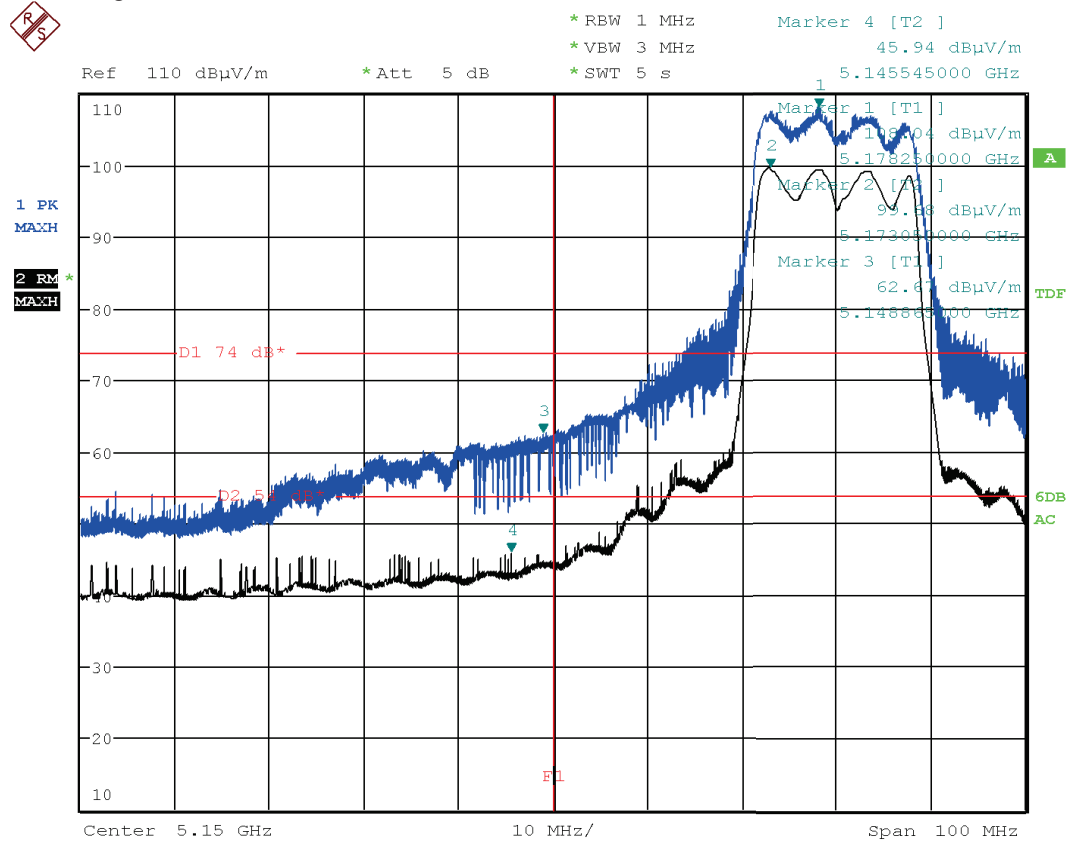
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



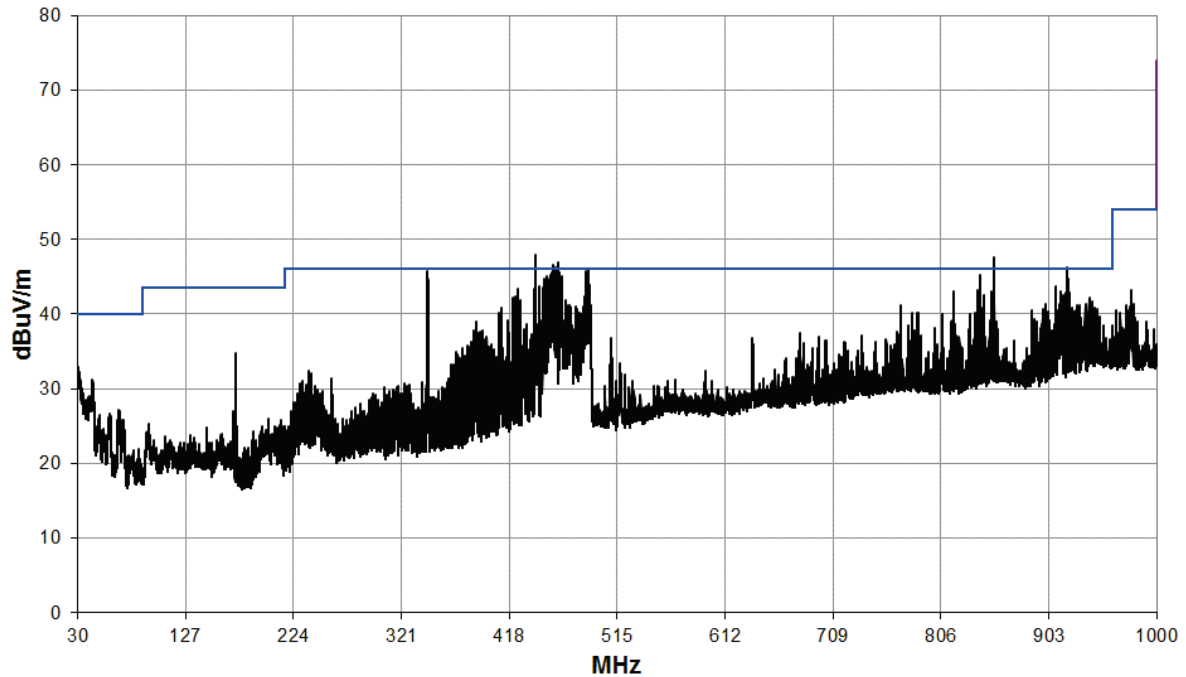
Band Edge



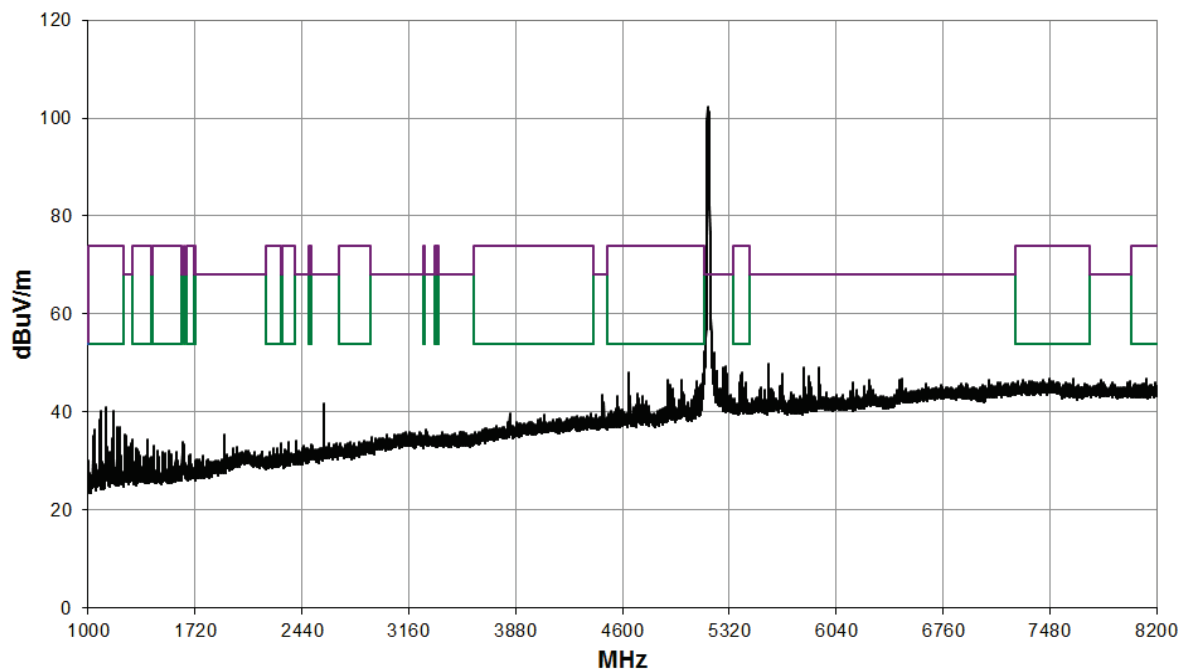
Date: 23.JUN.2020 15:30:02

SISO; Mode: 802.11a; Channel: CH36; Frequency: 5180 MHz; Bandwidth: 20 MHz; Rate: 54 Mbps;										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	4993.8	20.9	5.5	33.3	0.0	0.0	59.7	0.0	966.1	5000
AV	4996.4	-1.7	5.5	33.3	0.0	0.0	37.1	0.0	71.6	500
AV	5918.7	-4.3	6.1	35.8	0.0	0.0	37.6	0.0	75.9	500
PK	5922.5	14.4	6.1	35.8	0.0	0.0	56.3	0.0	653.1	5000
AV	15542.7	47.1	10.9	31.8	34.4	0.0	45.9	-9.5	197.2	500
PK	15542.7	55.0	10.9	31.8	34.4	0.0	53.8	-9.5	489.8	5000

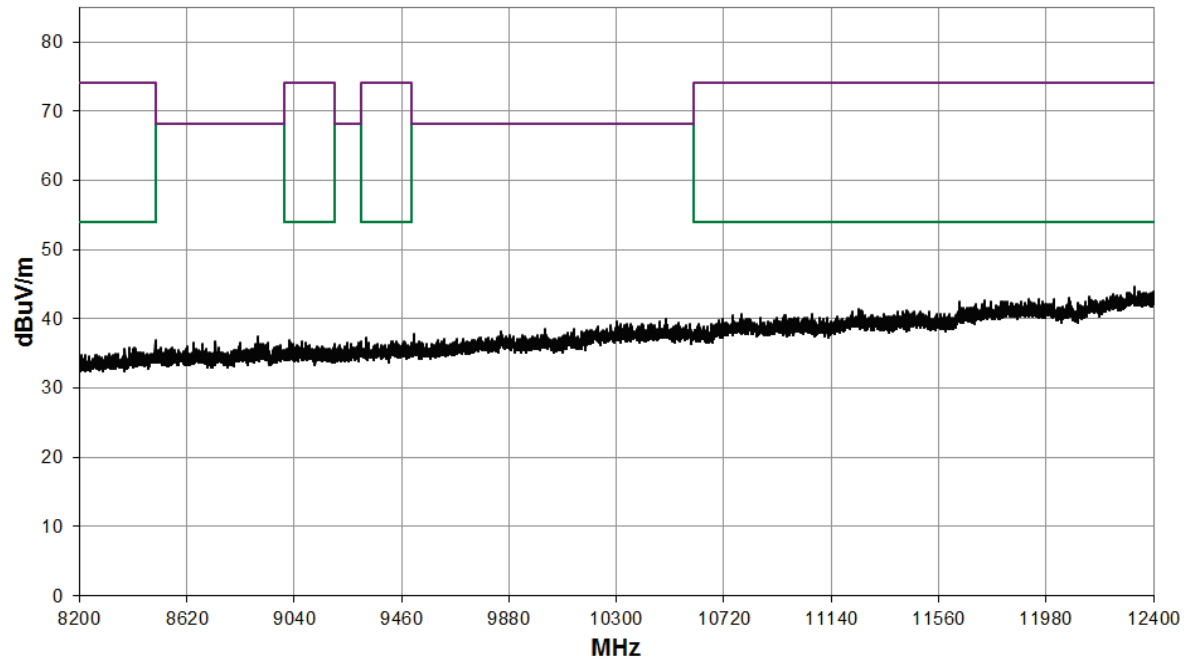
30 MHz to 1 GHz



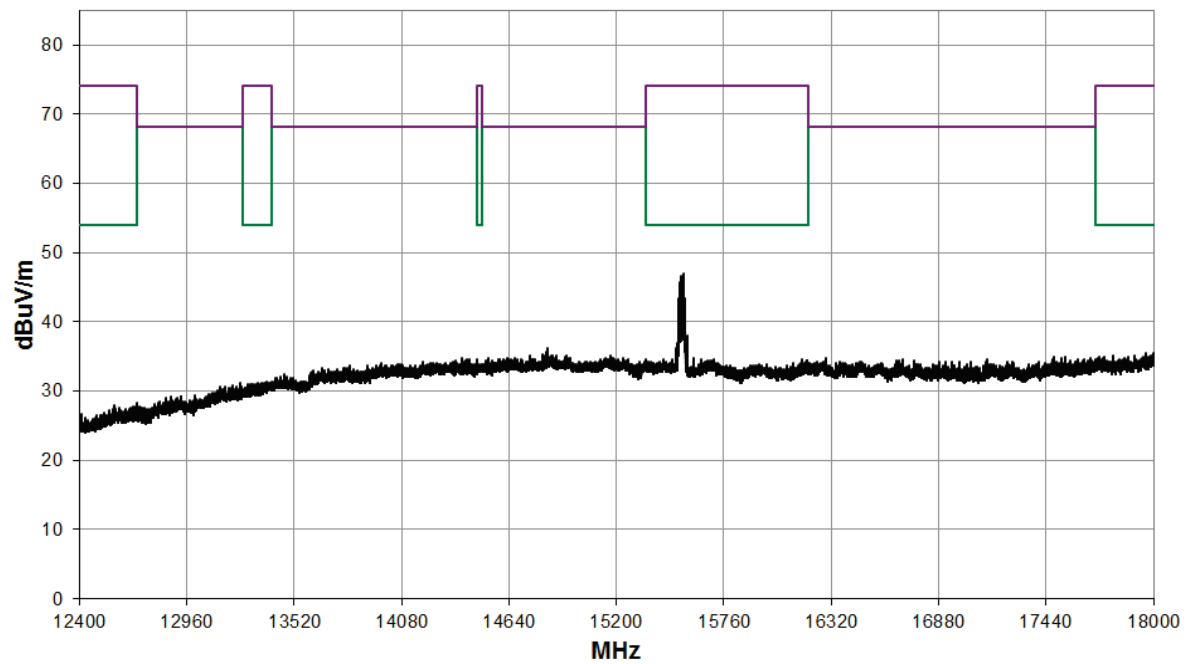
1 GHz to 8.2 GHz



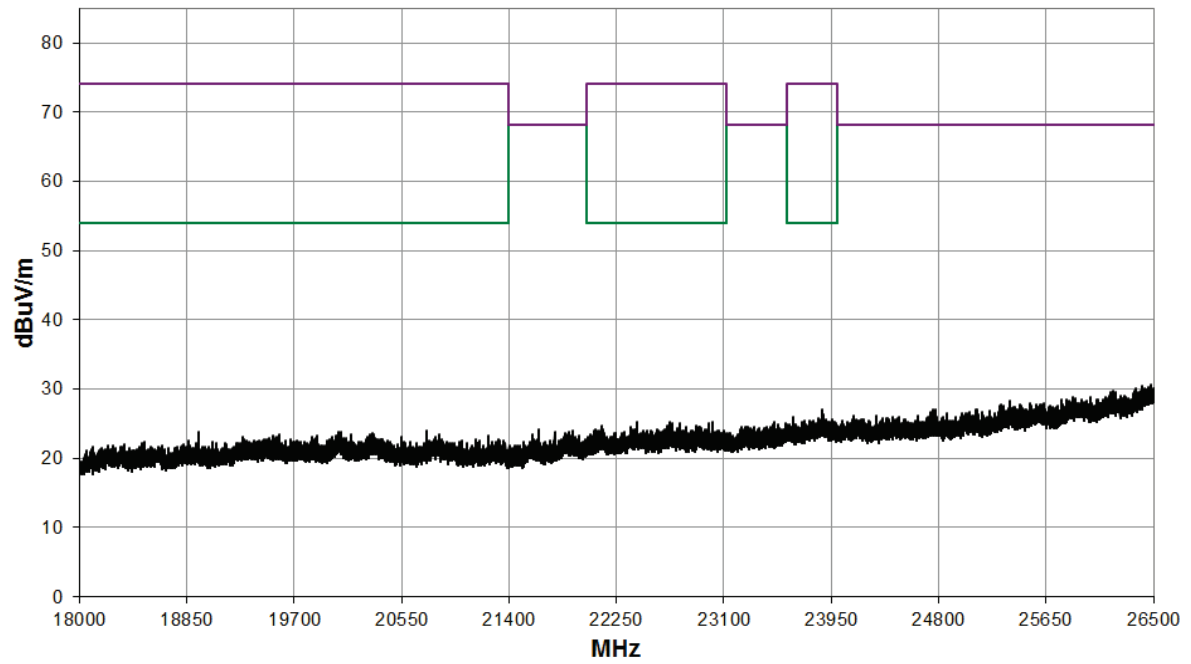
8.2 GHz to 12.4 GHz



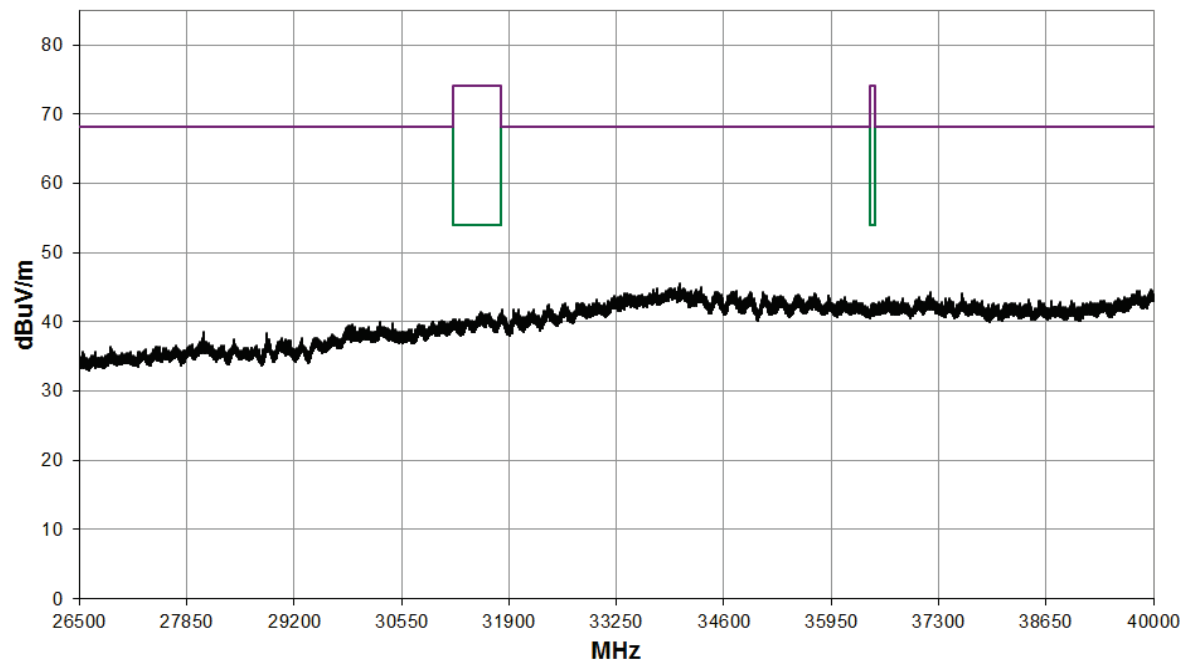
12.4 GHz to 18 GHz



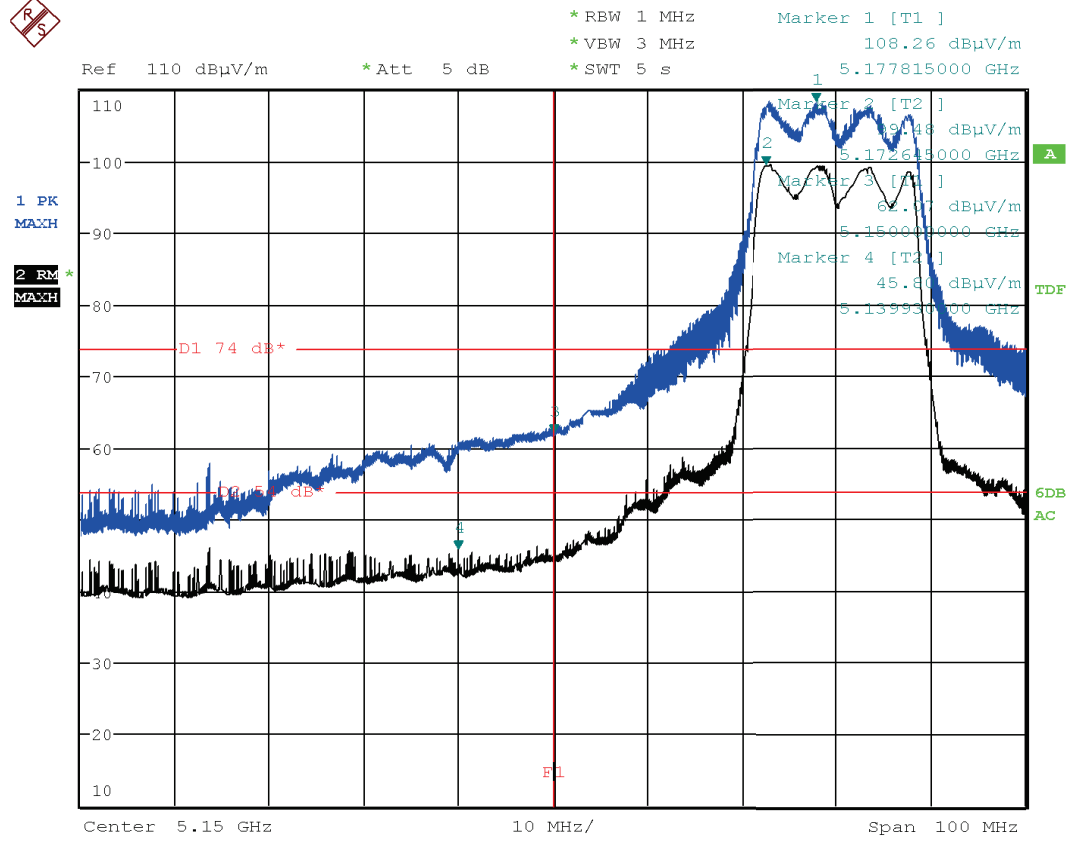
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



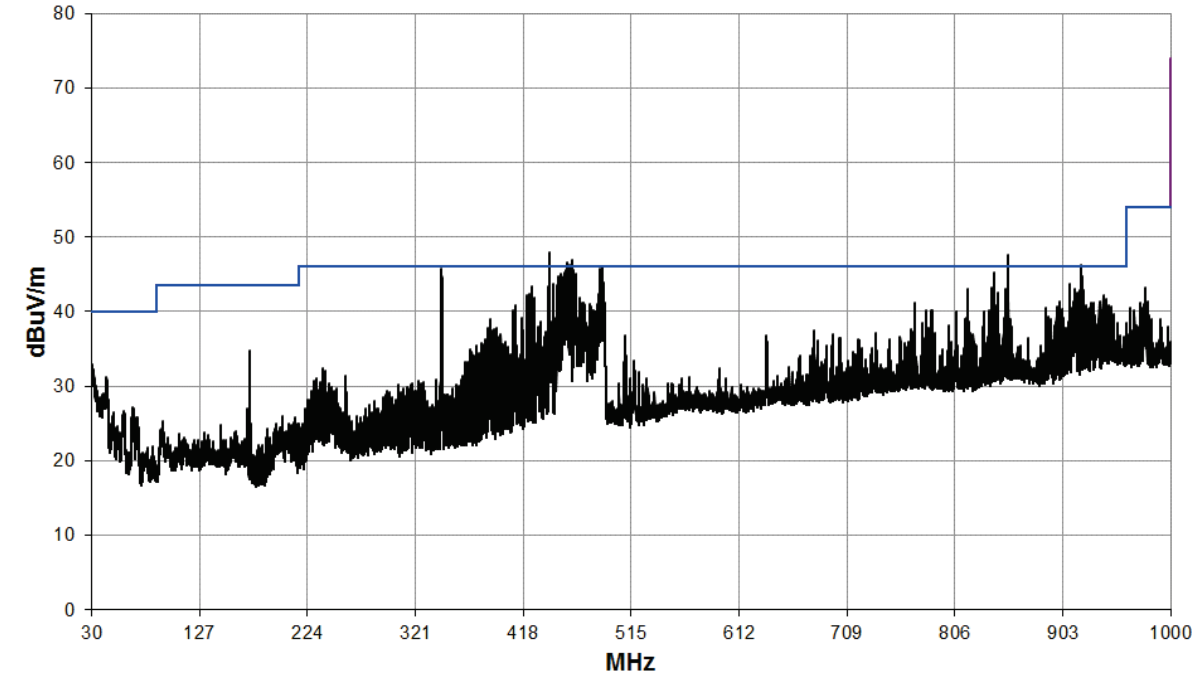
Band Edge



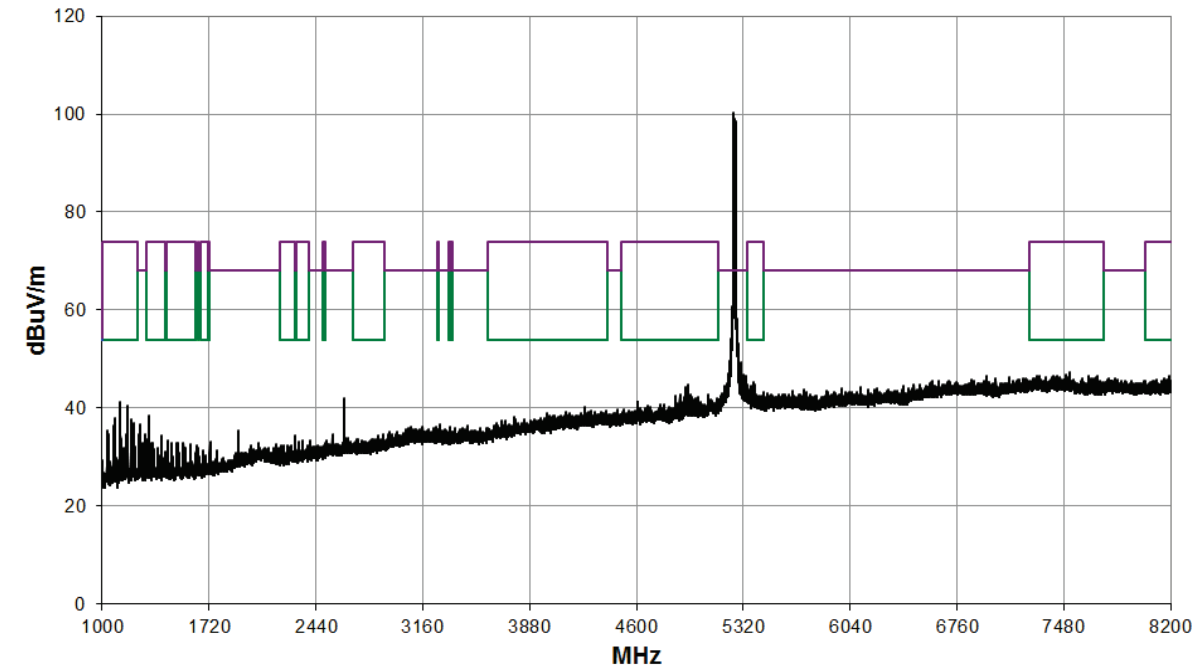
Date: 23.JUN.2020 15:31:20

SISO; Mode: 802.11a; Channel: CH52; Frequency: 5260 MHz; Bandwidth: 20 MHz; Rate: 6 Mbps										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
No Emissions within 10 dB of the limit										

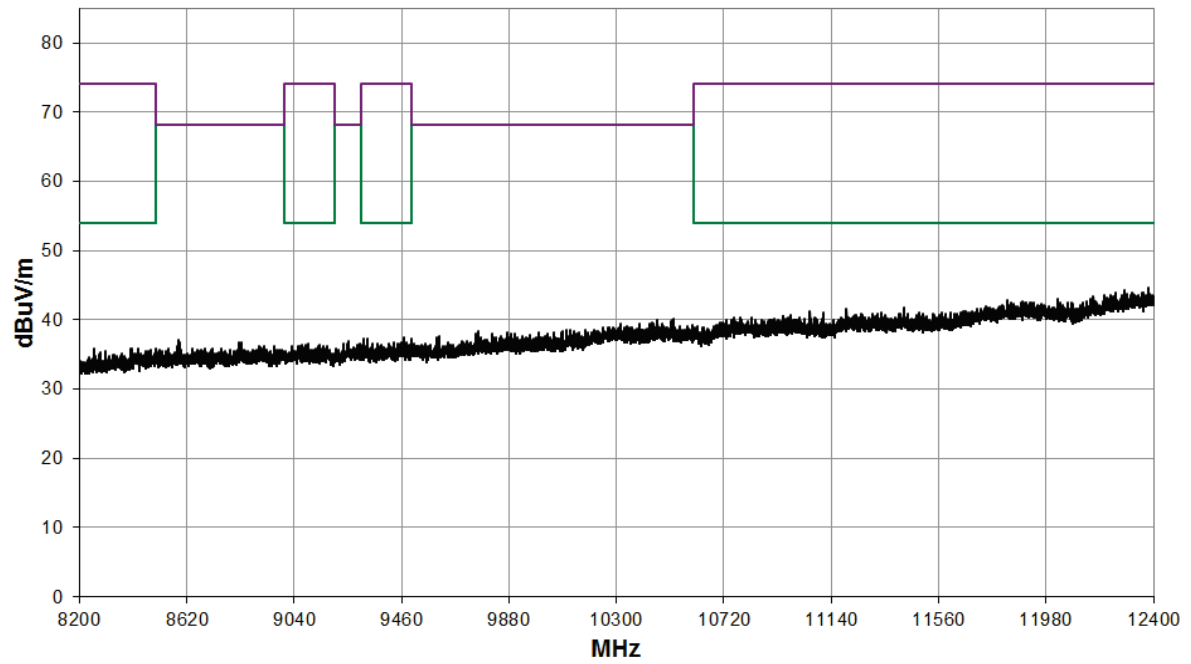
30 MHz to 1 GHz



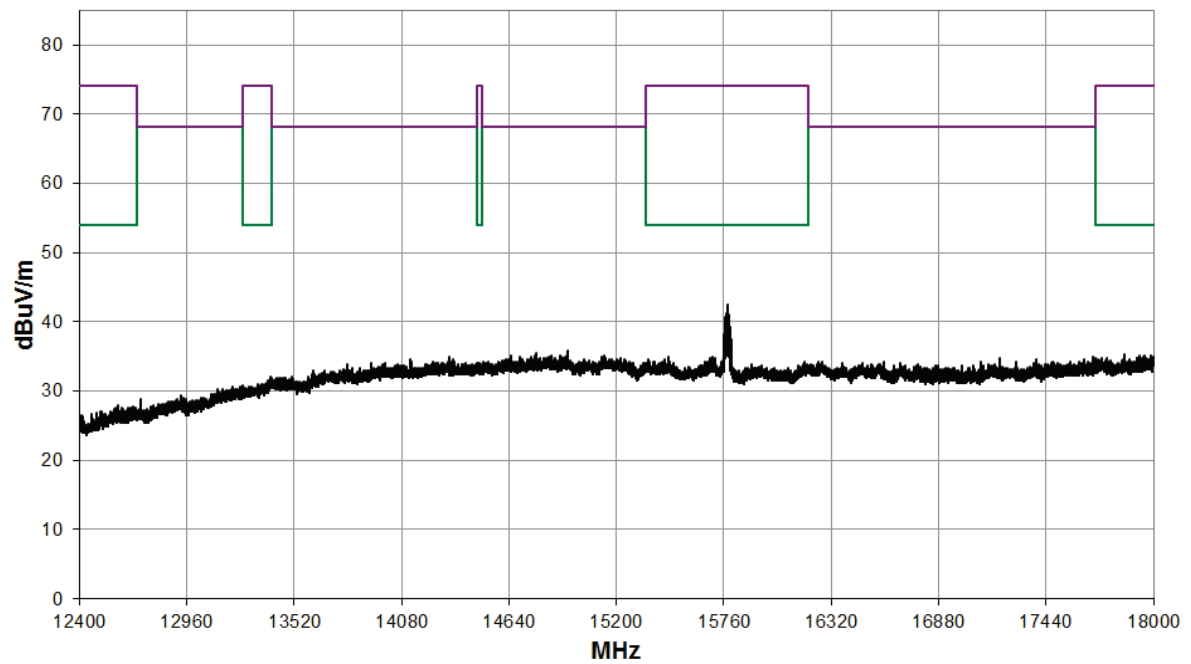
1 GHz to 8.2 GHz



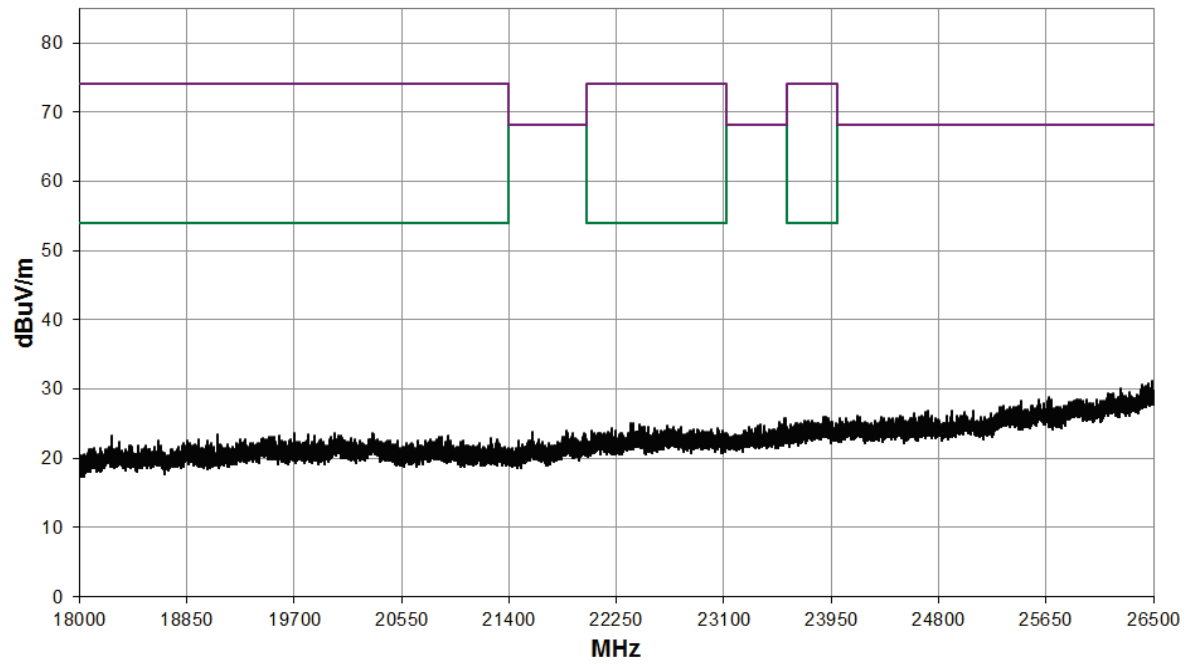
8.2 GHz to 12.4 GHz



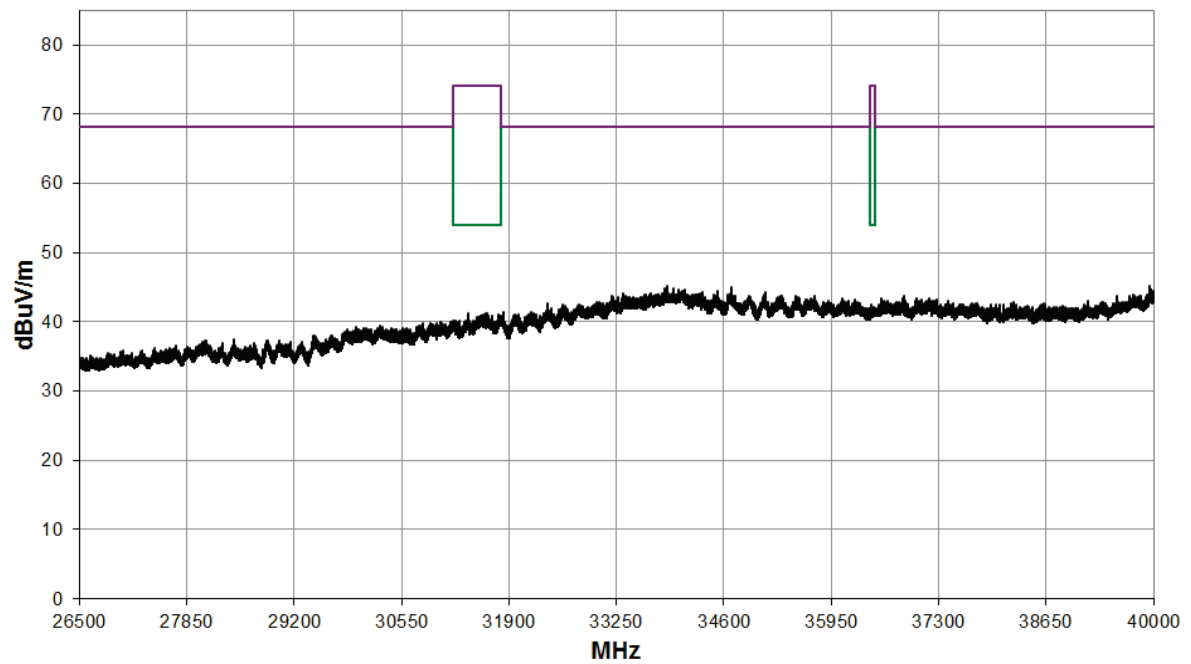
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

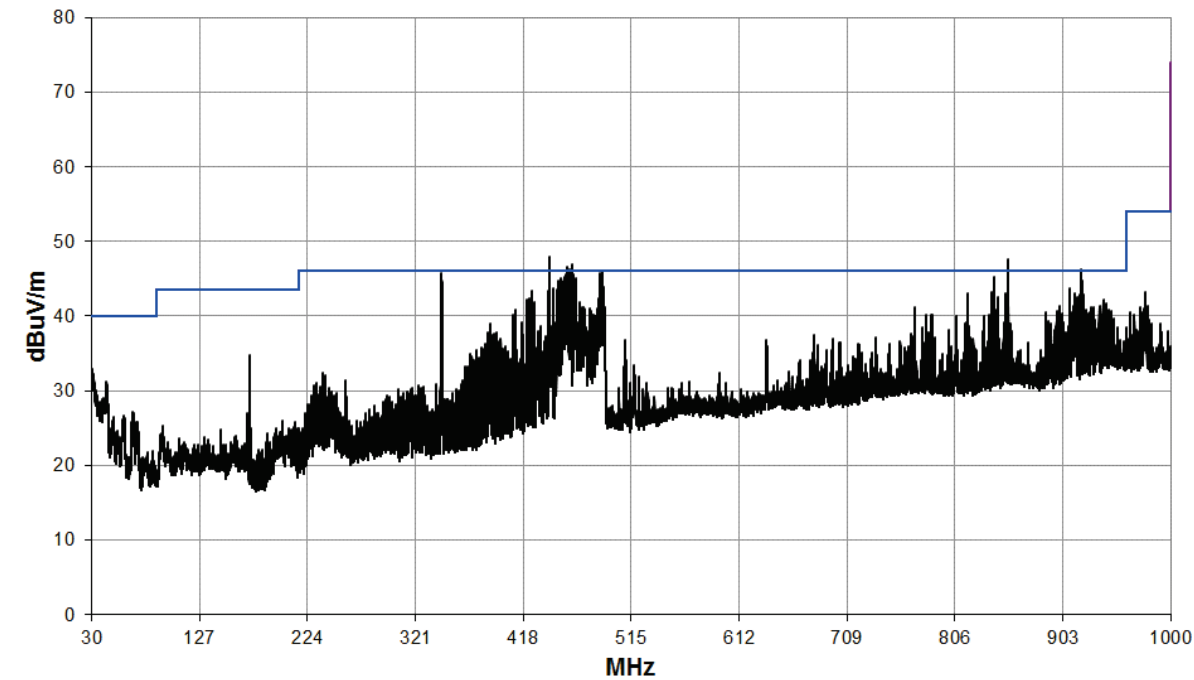


26.5 GHz to 40 GHz

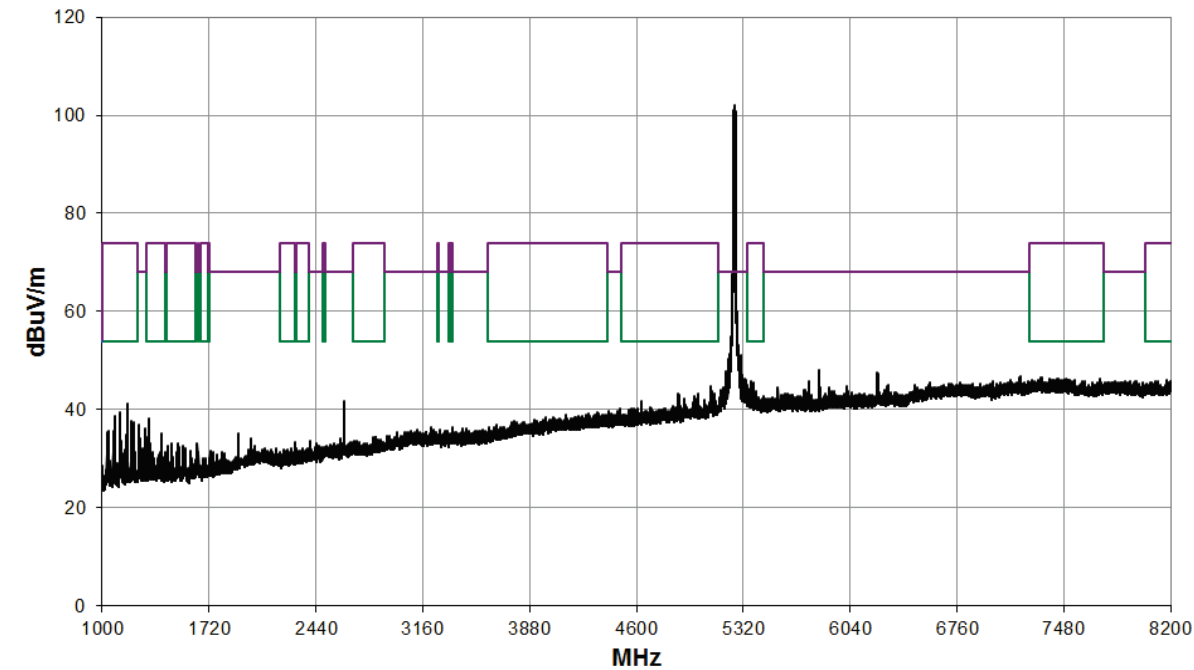


SISO; Mode: 802.11a; Channel: CH52; Frequency: 5260 MHz; Bandwidth: 20 MHz; Rate: 54 Mbps										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	5828.3	14.7	6.0	35.4	0.0	0.0	56.1	0.0	638.3	2500
PK	6227.4	12.3	6.3	36.2	0.0	0.0	54.8	0.0	549.5	2500
AV	15782.8	42.2	11.0	32.1	34.6	0.0	41.2	-9.5	114.8	500

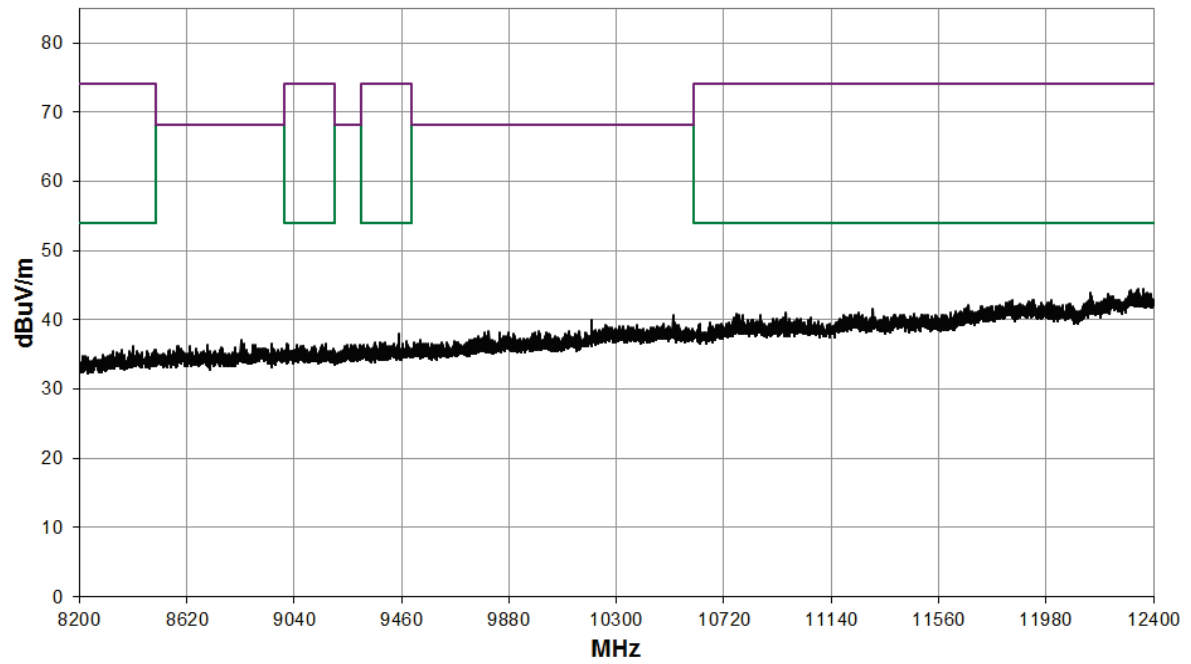
30 MHz to 1 GHz



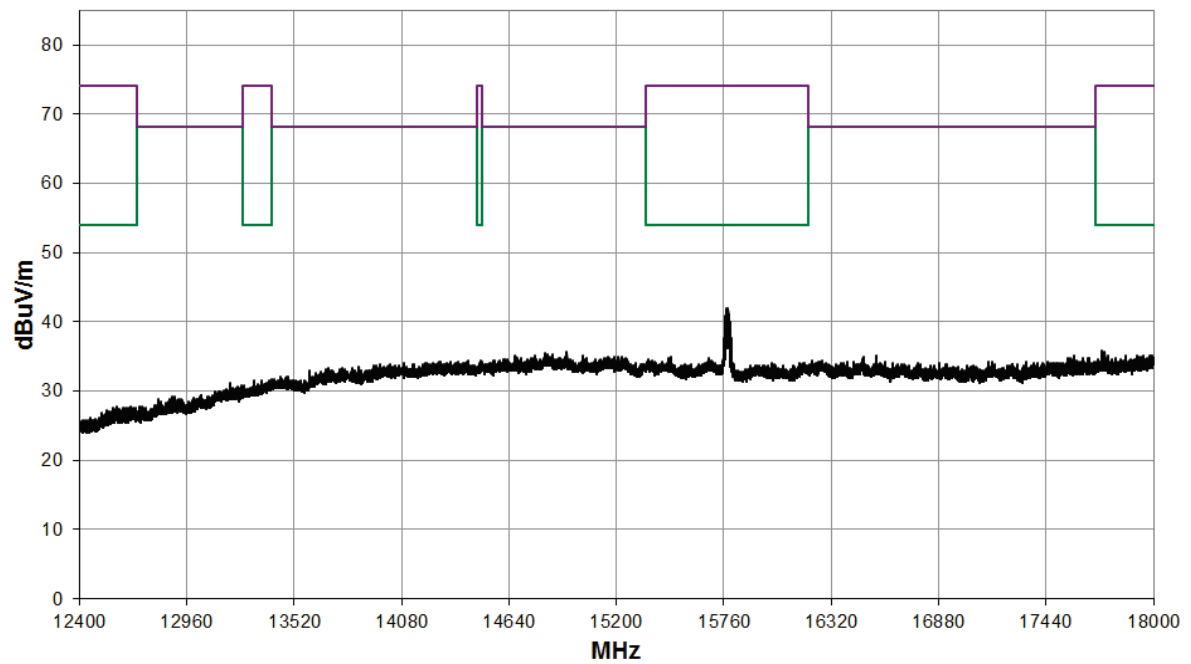
1 GHz to 8.2 GHz



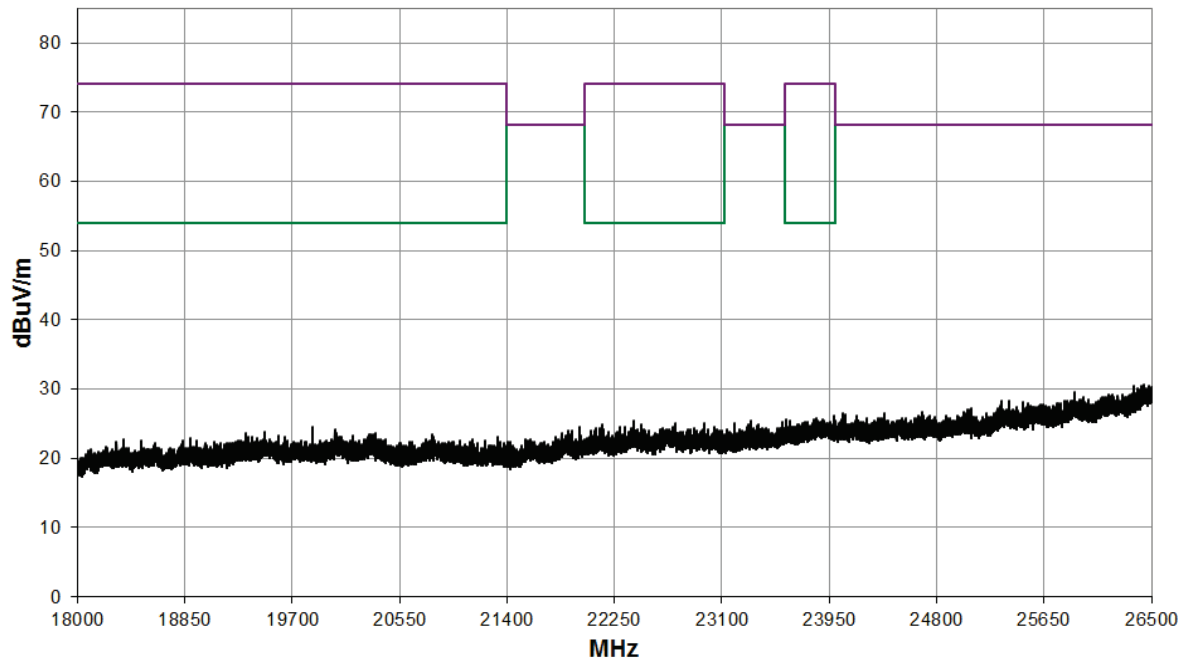
8.2 GHz to 12.4 GHz



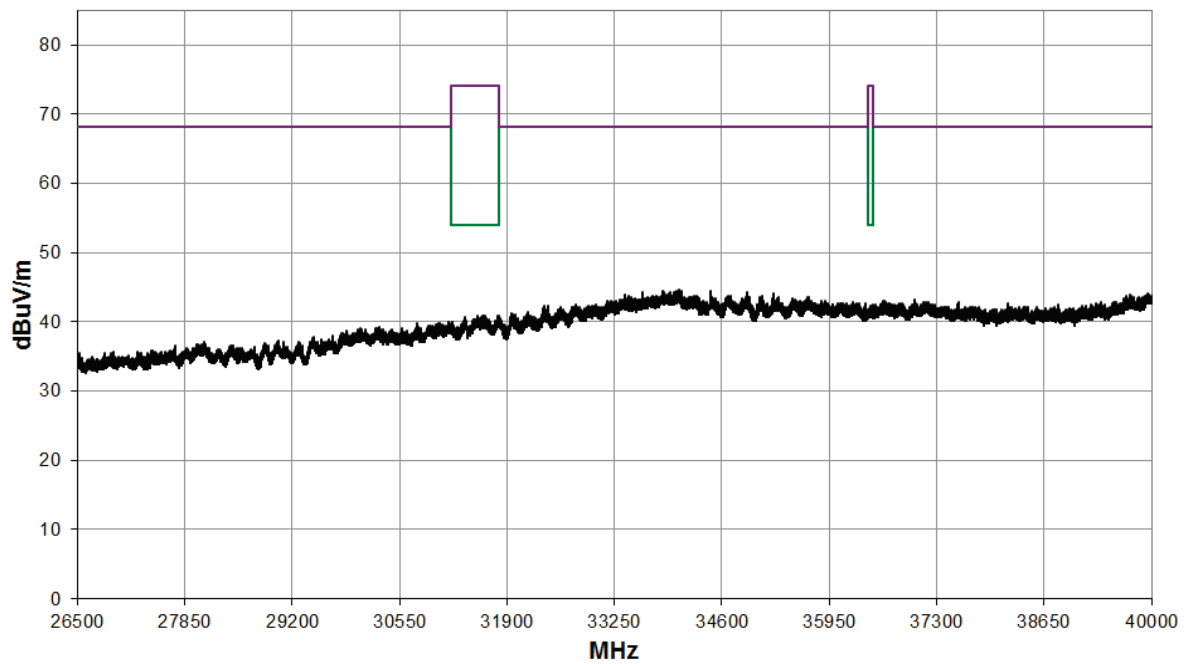
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

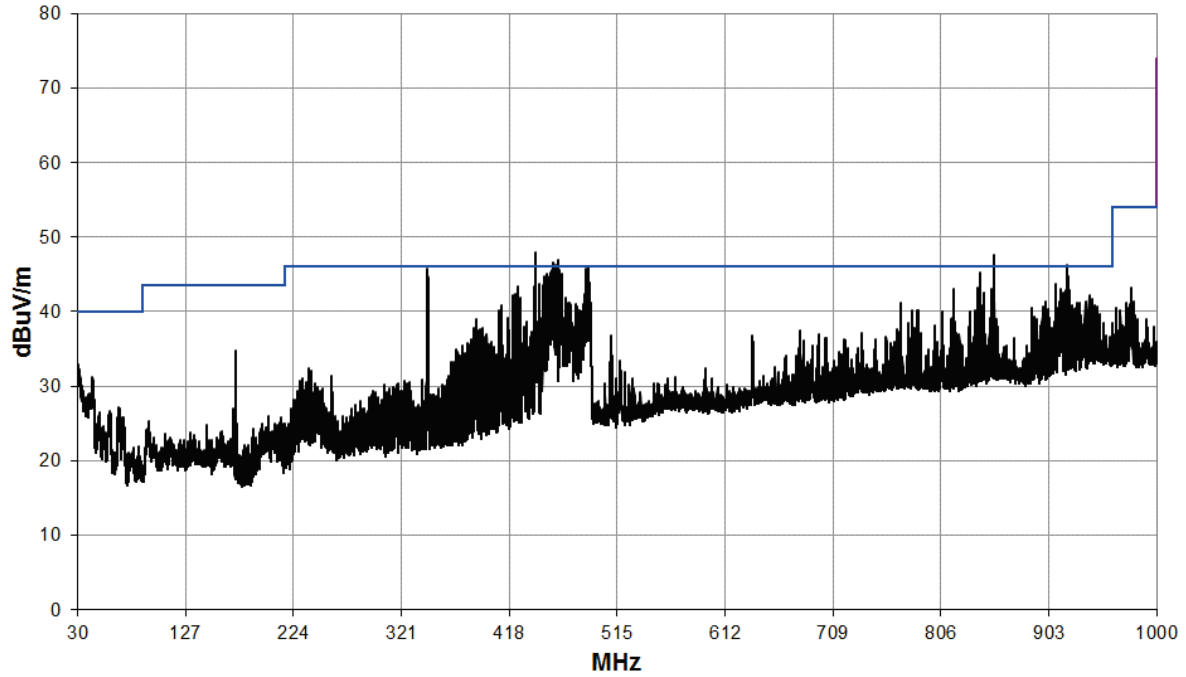


26.5 GHz to 40 GHz

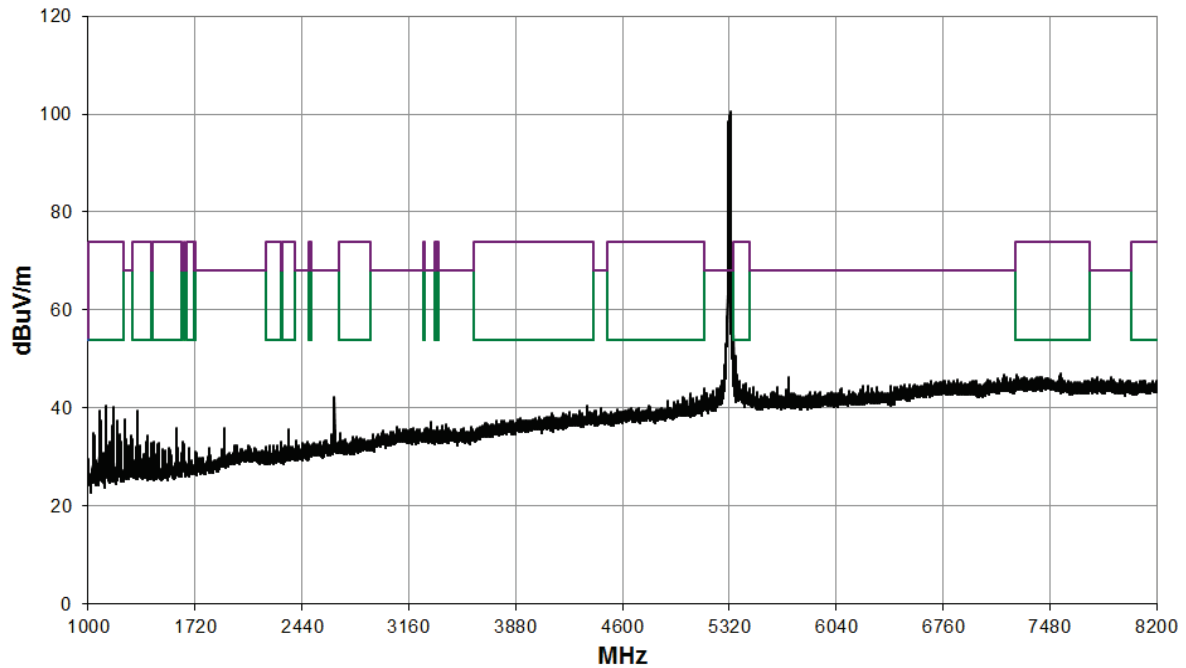


SISO; Mode: 802.11a; Channel: CH64; Frequency: 5320 MHz; Bandwidth: 20 MHz; Rate: 6 Mbps										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	15958.0	44.9	11.1	32.2	34.7	0.0	44.0	-9.5	158.5	500
PK	15958.9	58.4	11.1	32.2	34.7	0.0	57.5	-9.5	749.9	5000

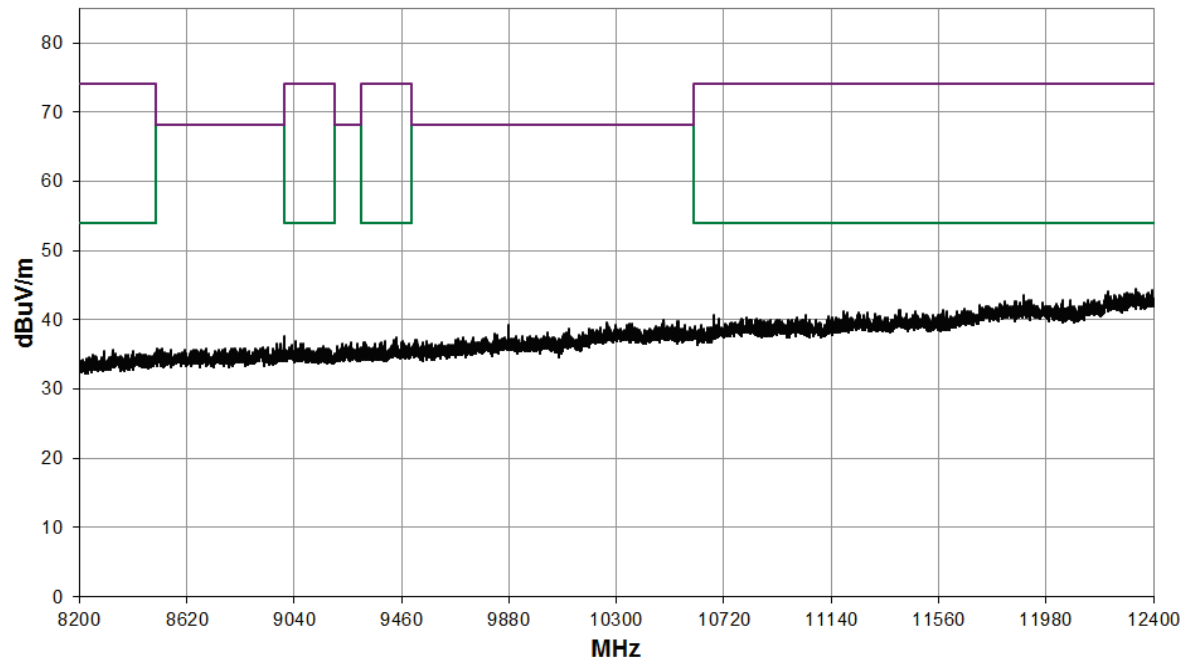
30 MHz to 1 GHz



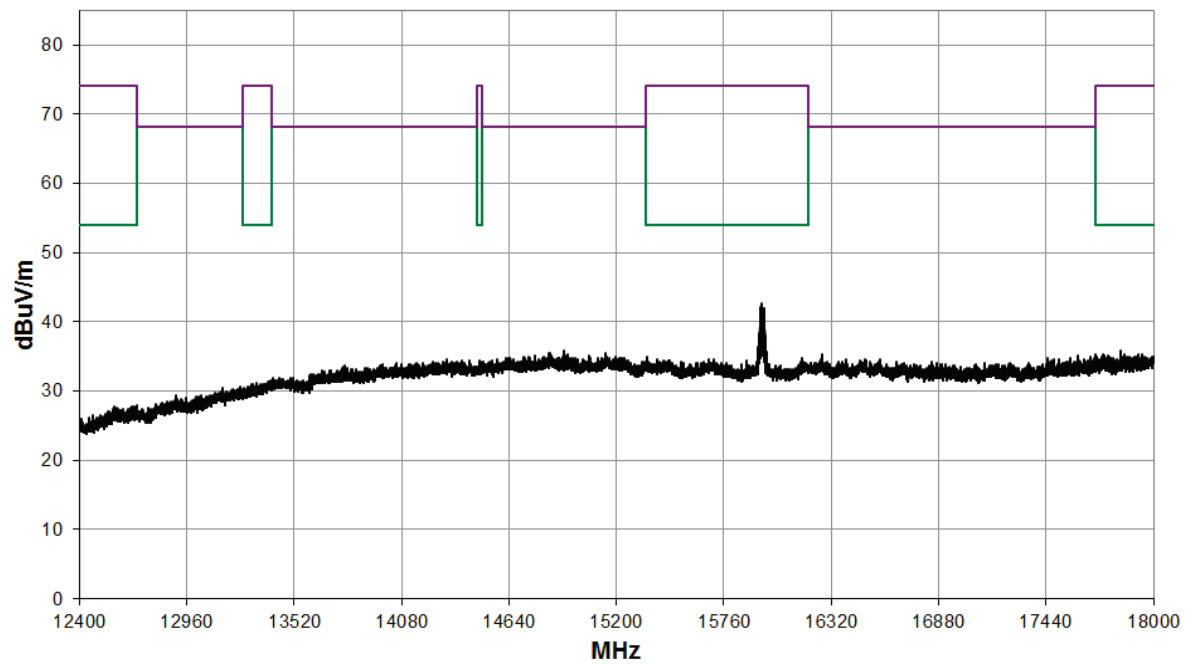
1 GHz to 8.2 GHz



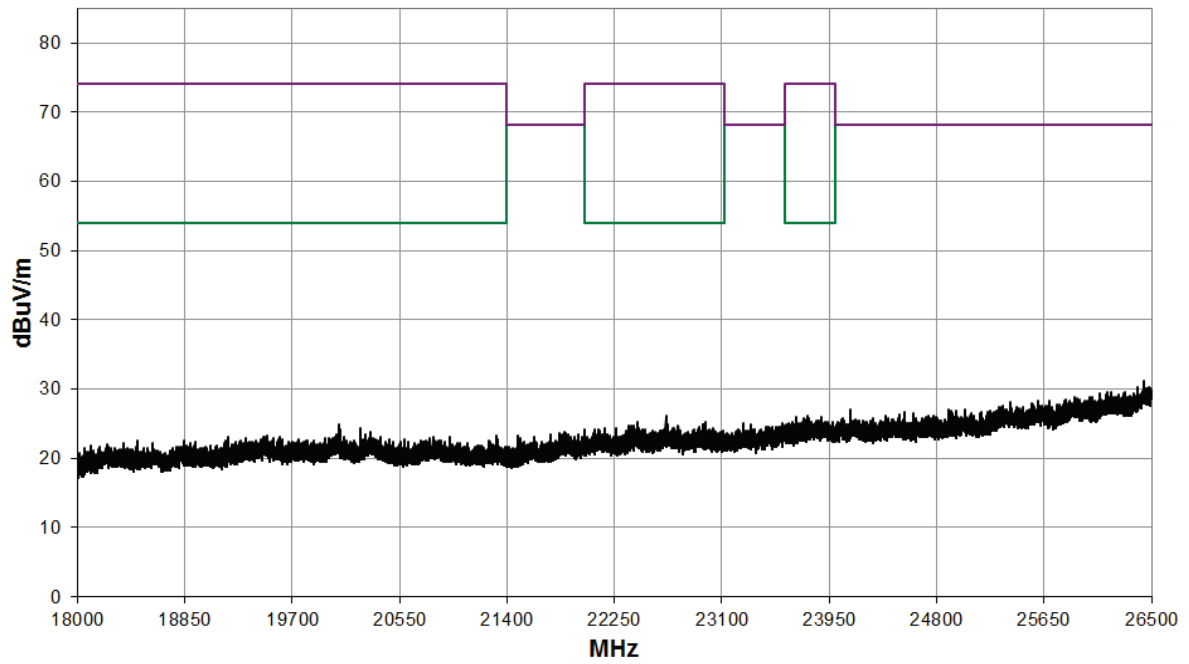
8.2 GHz to 12.4 GHz



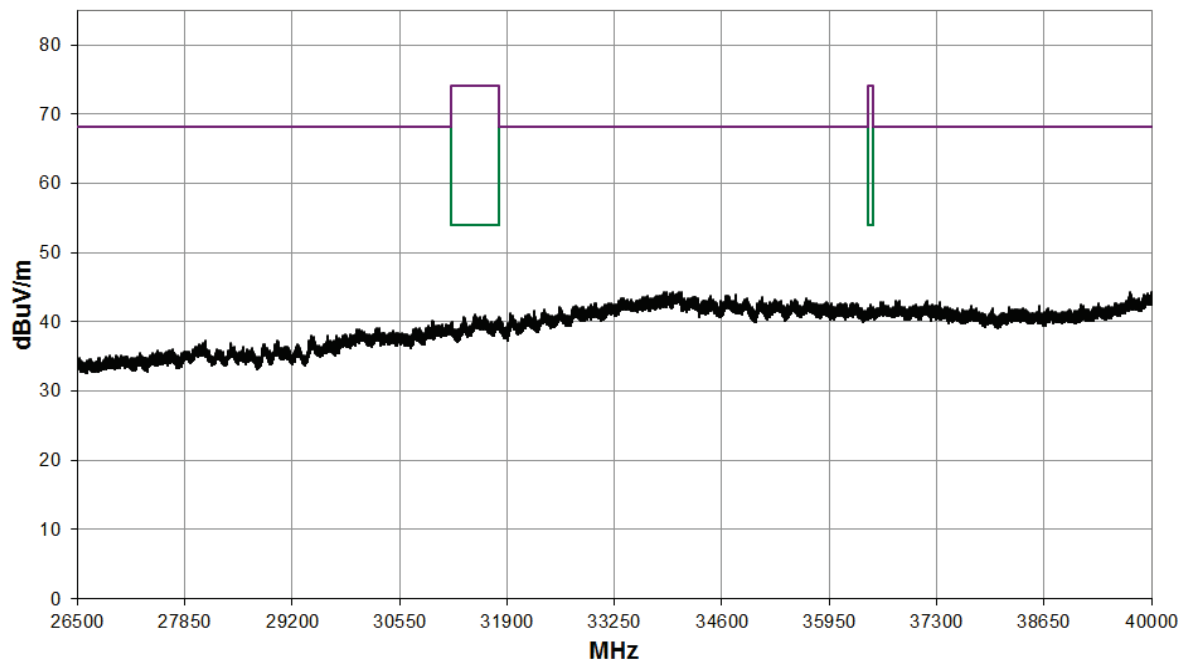
12.4 GHz to 18 GHz



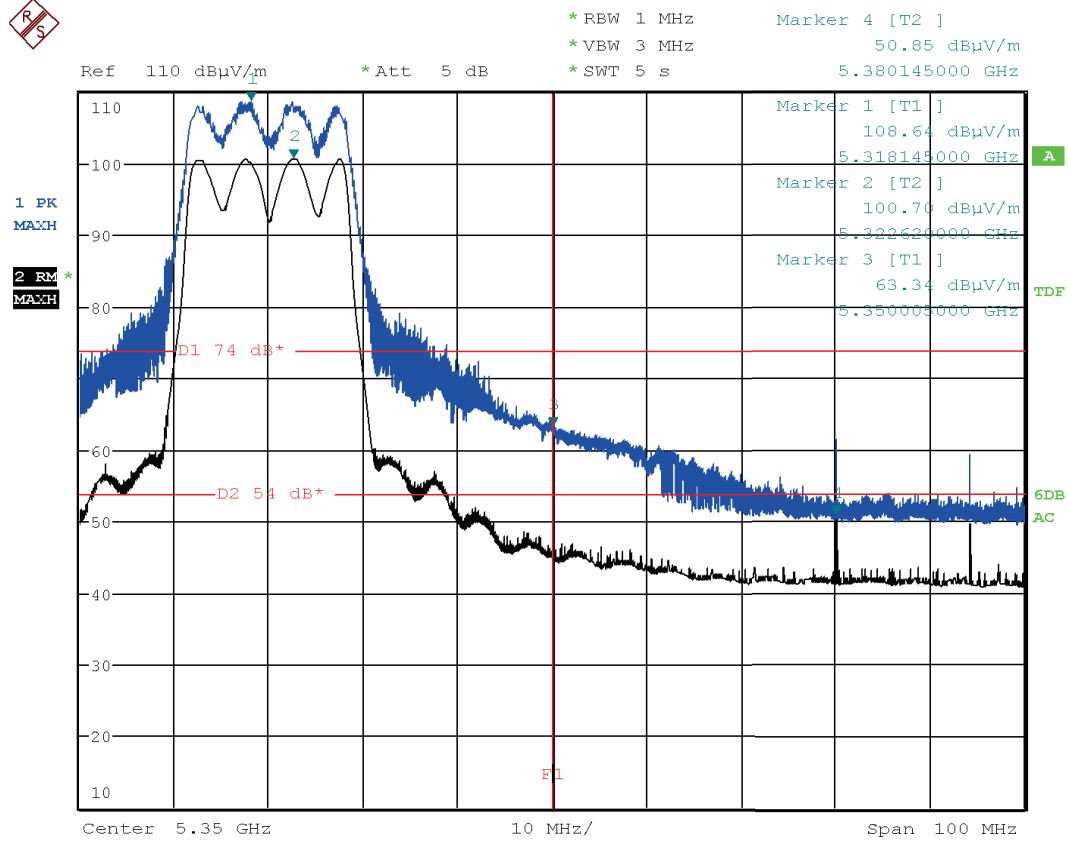
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



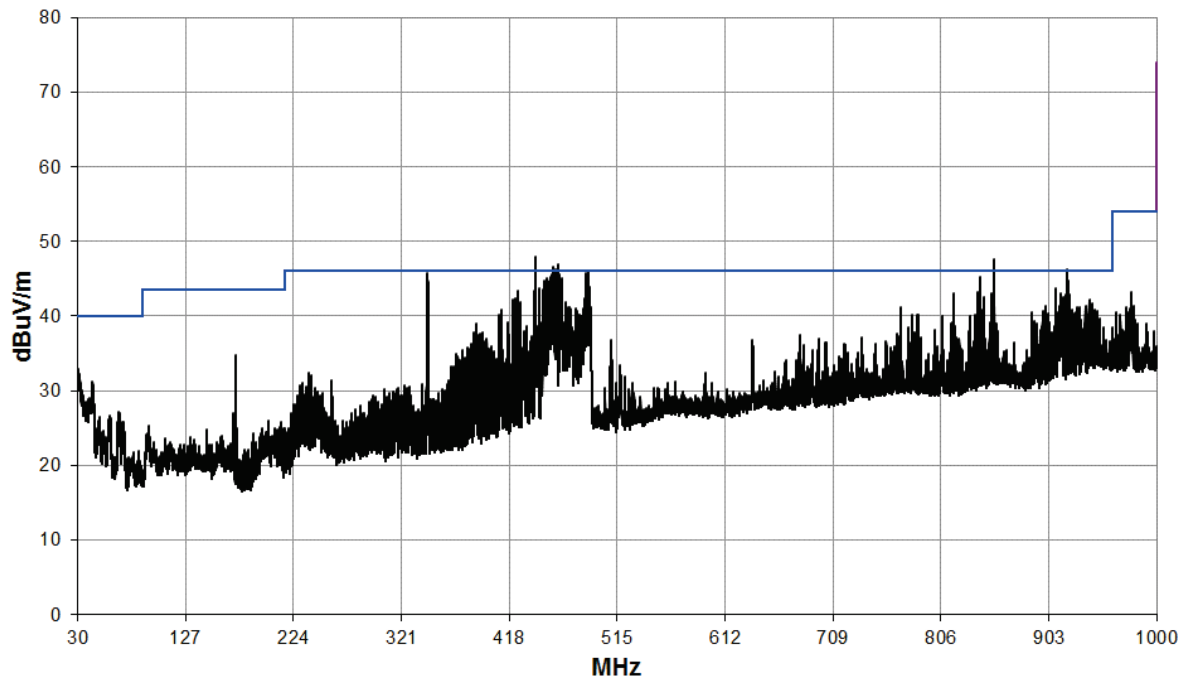
Band Edge



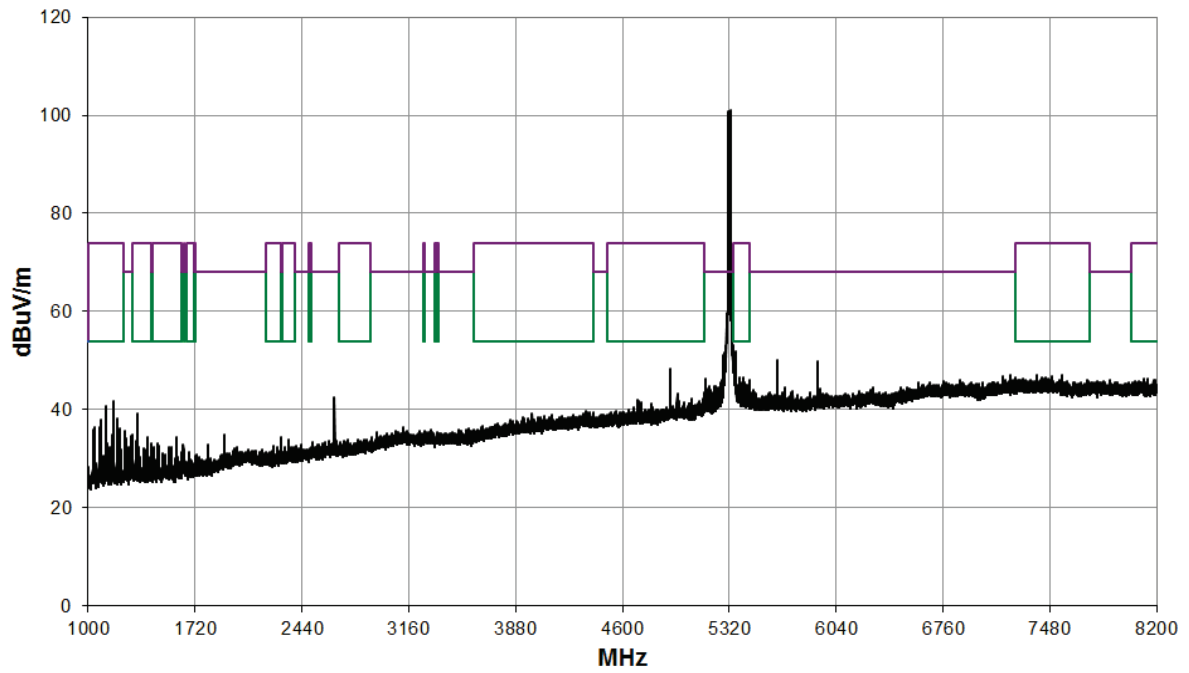
Date: 23.JUN.2020 16:53:54

SISO; Mode: 802.11a; Channel: CH64; Frequency: 5320 MHz; Bandwidth: 20 MHz; Rate: 54 Mbps										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	2660.0	4.0	3.8	29.0	0.0	0.0	36.8	0.0	69.2	500
PK	4915.7	16.8	5.4	33.3	0.0	0.0	55.5	0.0	595.7	5000
AV	4918.9	-3.3	5.5	33.3	0.0	0.0	35.5	0.0	59.6	500
PK	5642.3	16.8	6.0	35.0	0.0	0.0	57.8	0.0	776.3	2500
AV	15963.6	44.3	11.1	32.3	0.0	0.0	43.5	-9.5	149.6	500
PK	15963.4	57.9	11.1	32.2	0.0	0.0	57.1	-9.5	716.1	5000

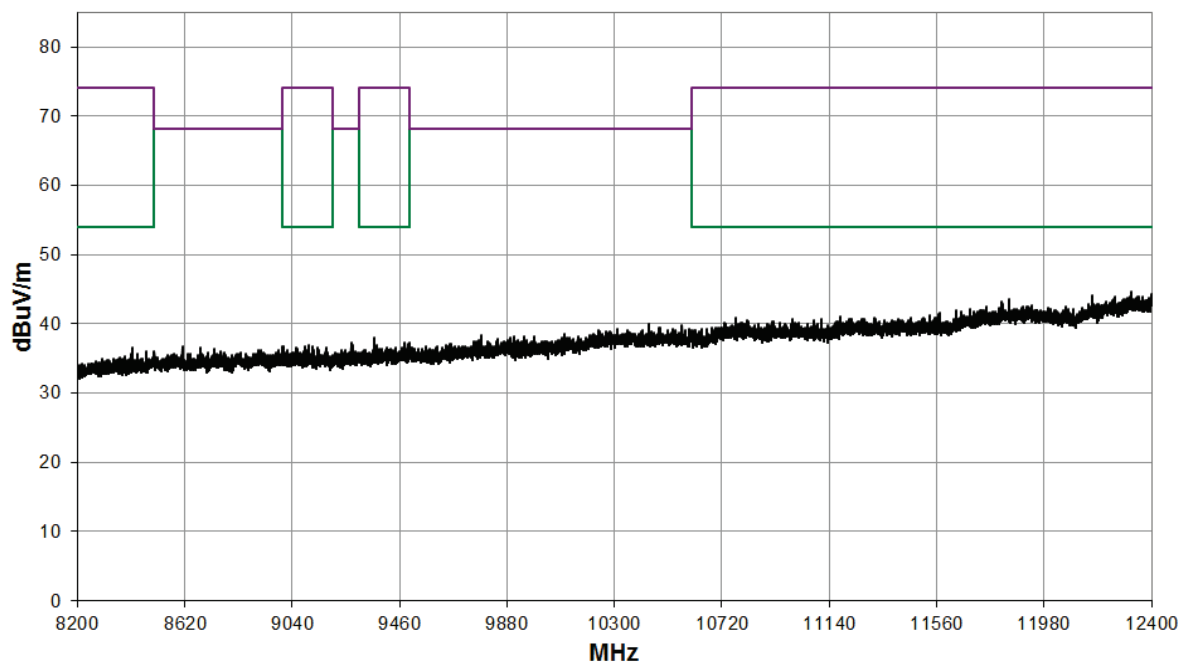
30 MHz to 1 GHz



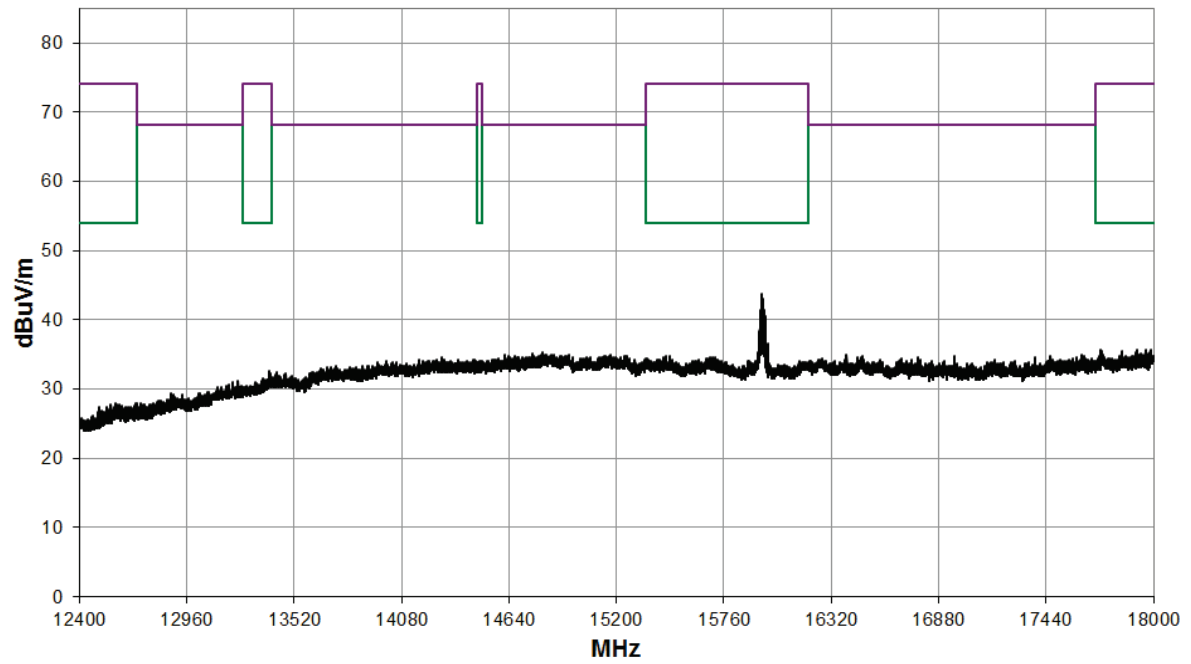
1 GHz to 8.2 GHz



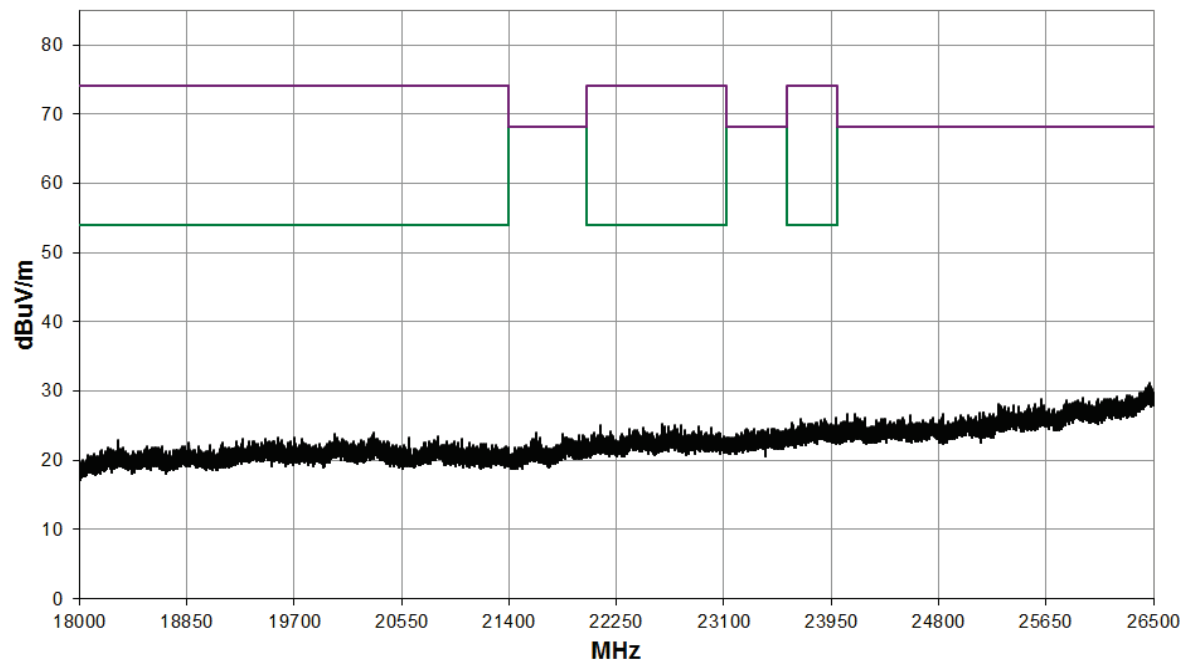
8.2 GHz to 12.4 GHz



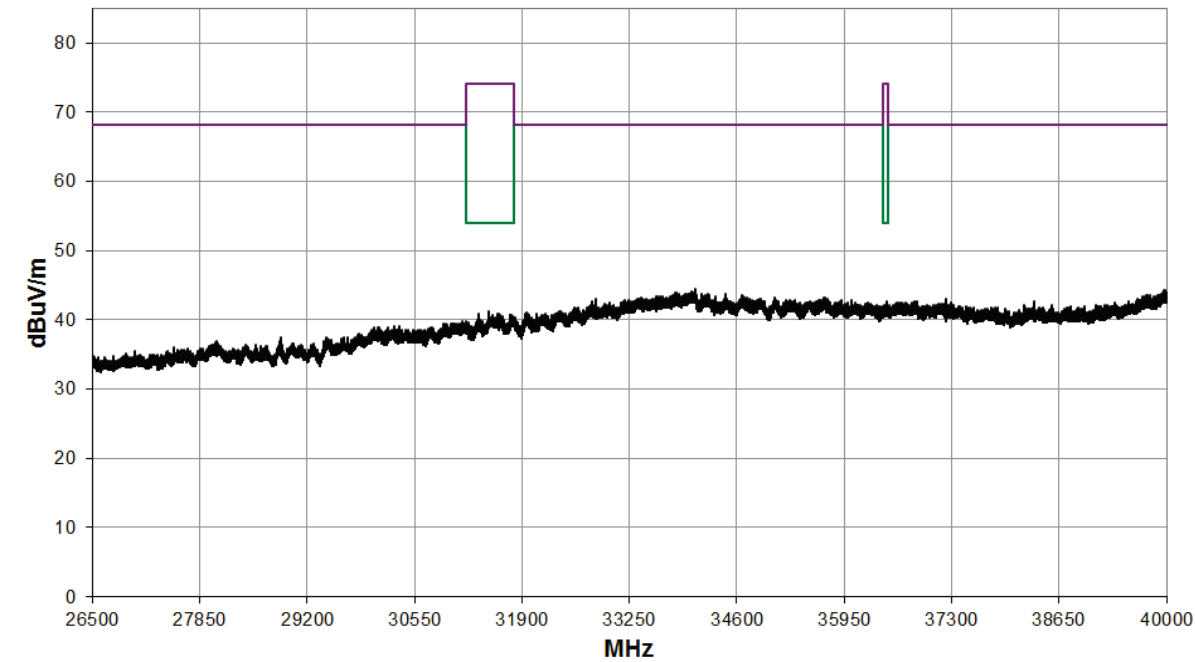
12.4 GHz to 18 GHz



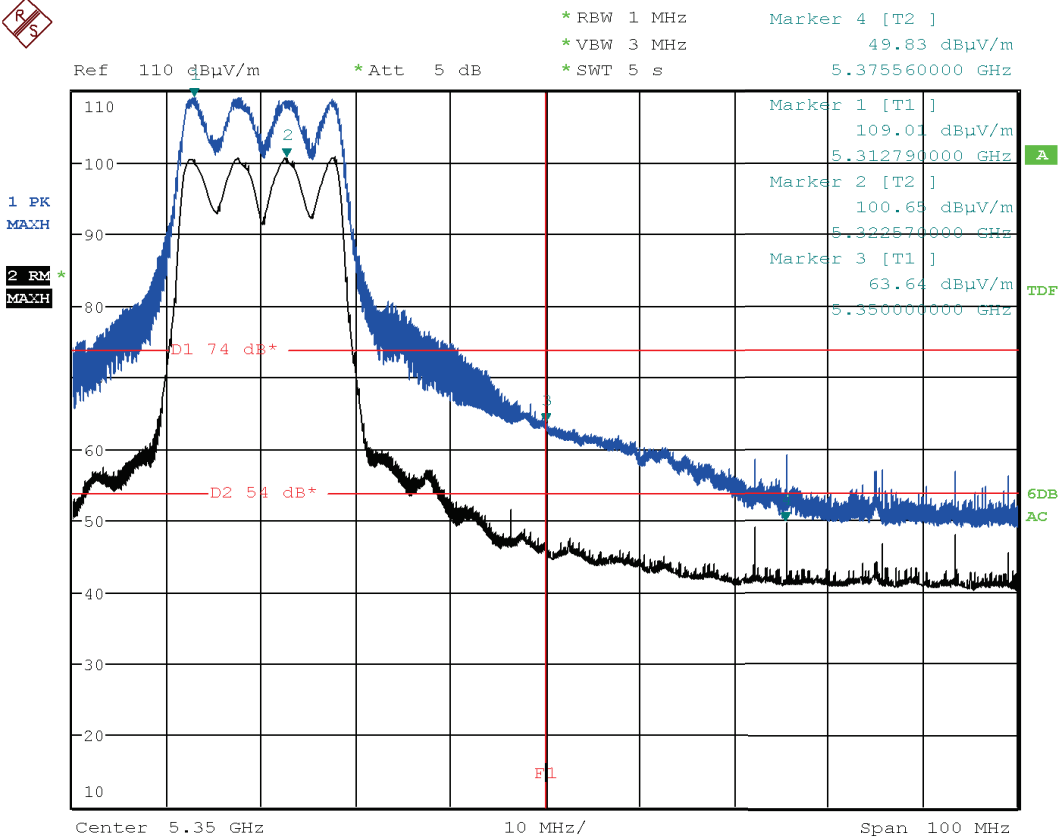
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



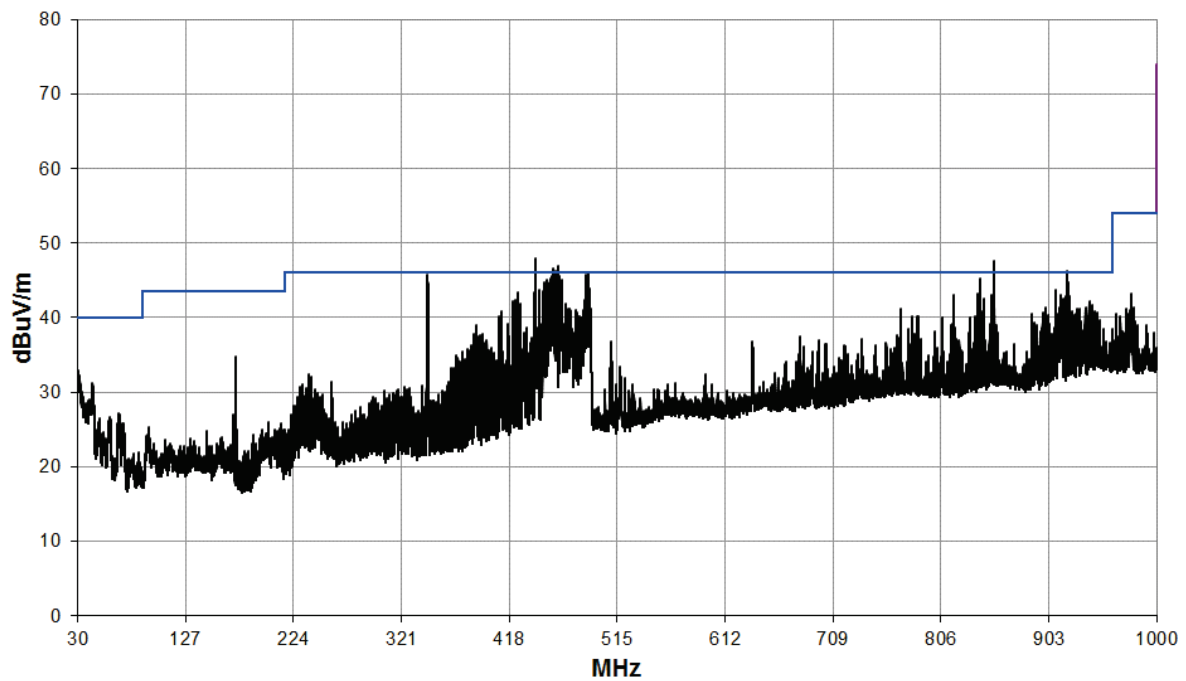
Band Edge



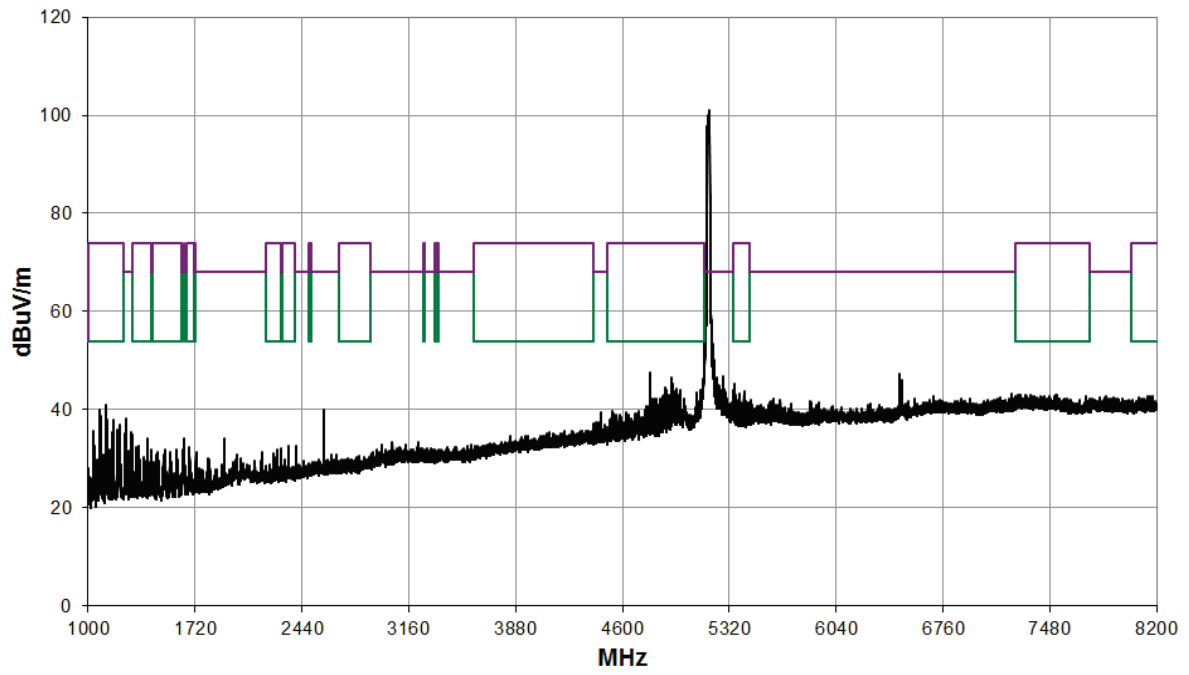
Date: 23.JUN.2020 16:55:09

SISO; Mode: 802.11n20; Channel: CH36; Frequency: 5180 MHz; Bandwidth: 20 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	4888.7	20.2	5.4	33.3	0.0	0.0	55.4	-3.5	588.8	5000
PK	5536.7	19.5	5.9	34.9	0.0	0.0	56.8	-3.5	691.8	2500
PK	5786.7	19.9	6.0	35.3	0.0	0.0	57.7	-3.5	767.4	2500
PK	6258.8	17.5	6.4	36.2	0.0	0.0	56.6	-3.5	676.1	2500
PK	6482.5	18.5	6.6	36.6	0.0	0.0	58.2	-3.5	812.8	2500
AV	15542.8	45.5	10.9	31.8	34.4	0.0	44.3	-9.5	164.1	500
PK	15543.2	58.8	10.9	31.8	34.4	0.0	57.6	-9.5	758.6	5000

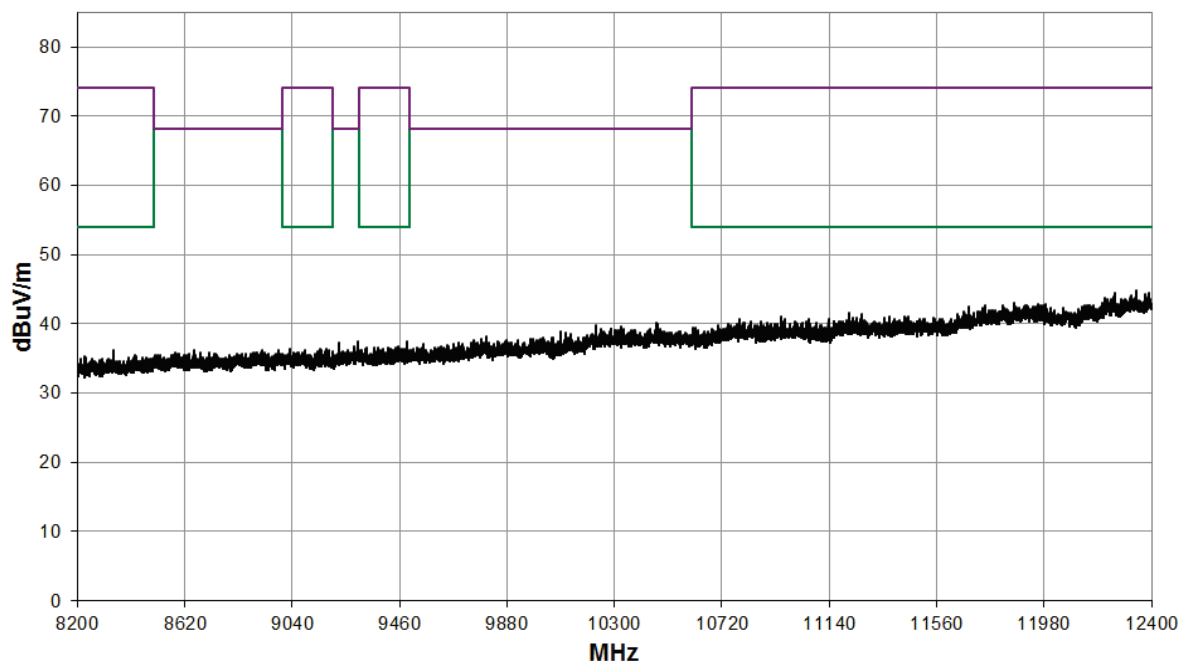
30 MHz to 1 GHz



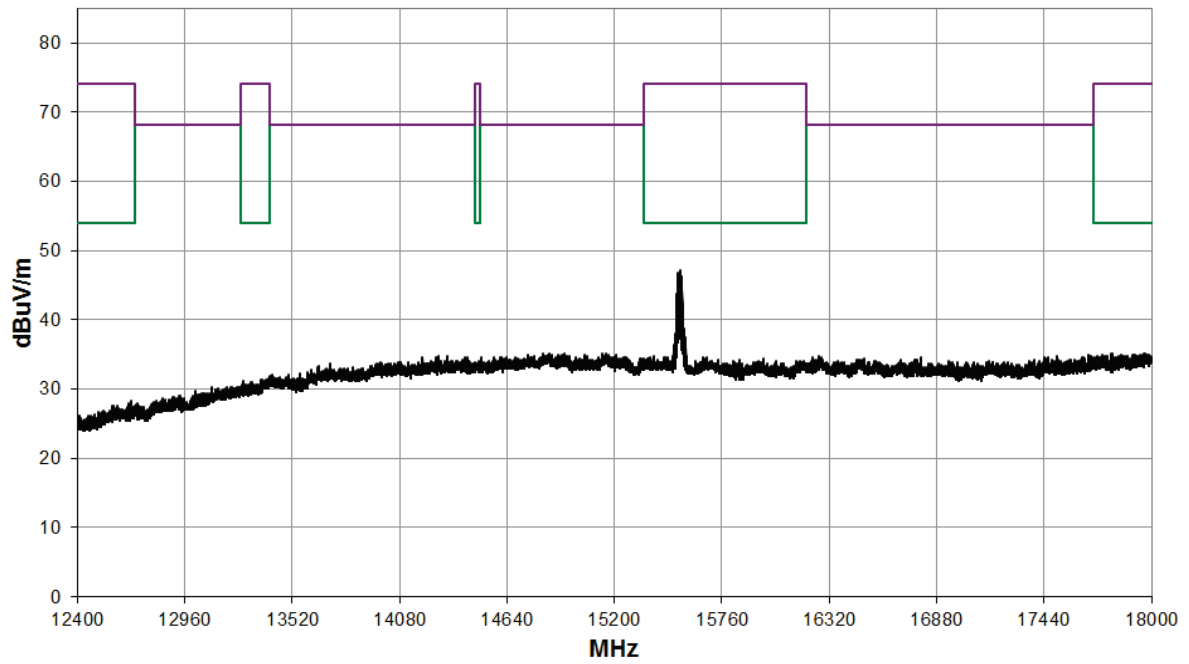
1 GHz to 8.2 GHz



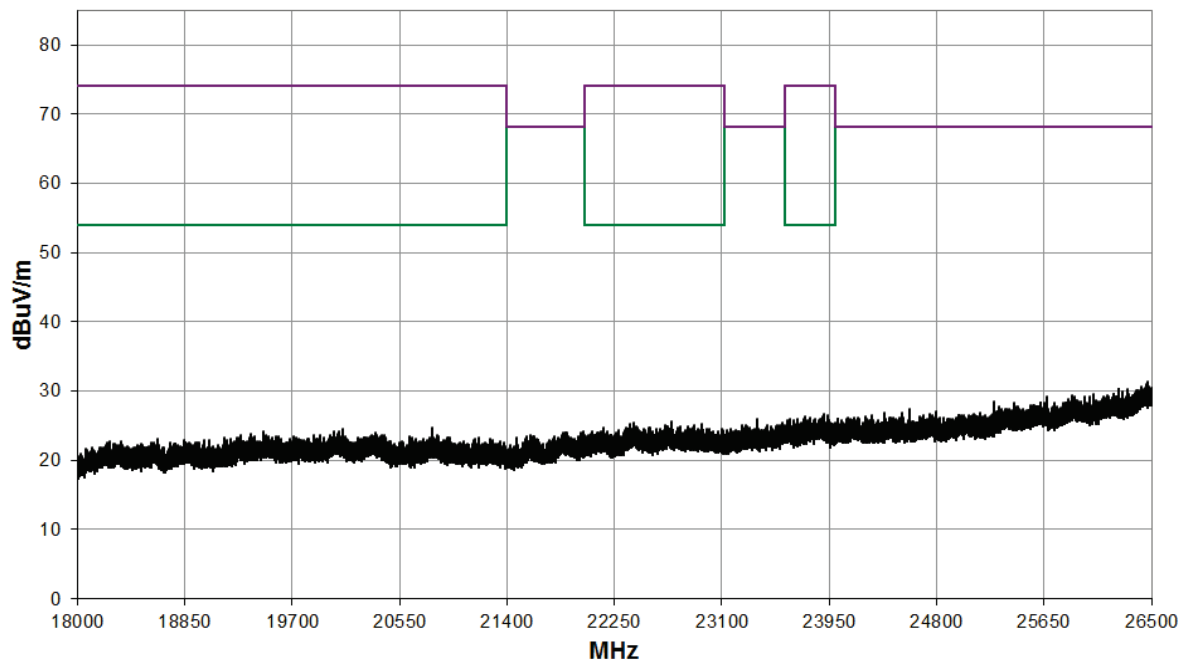
8.2 GHz to 12.4 GHz



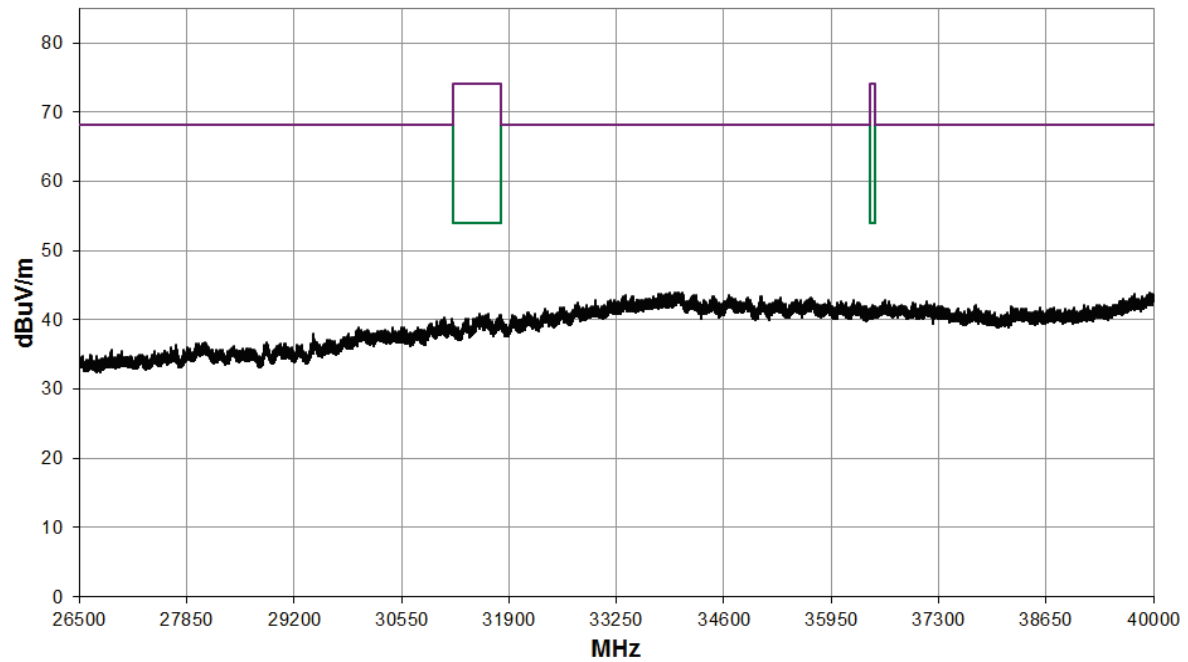
12.4 GHz to 18 GHz



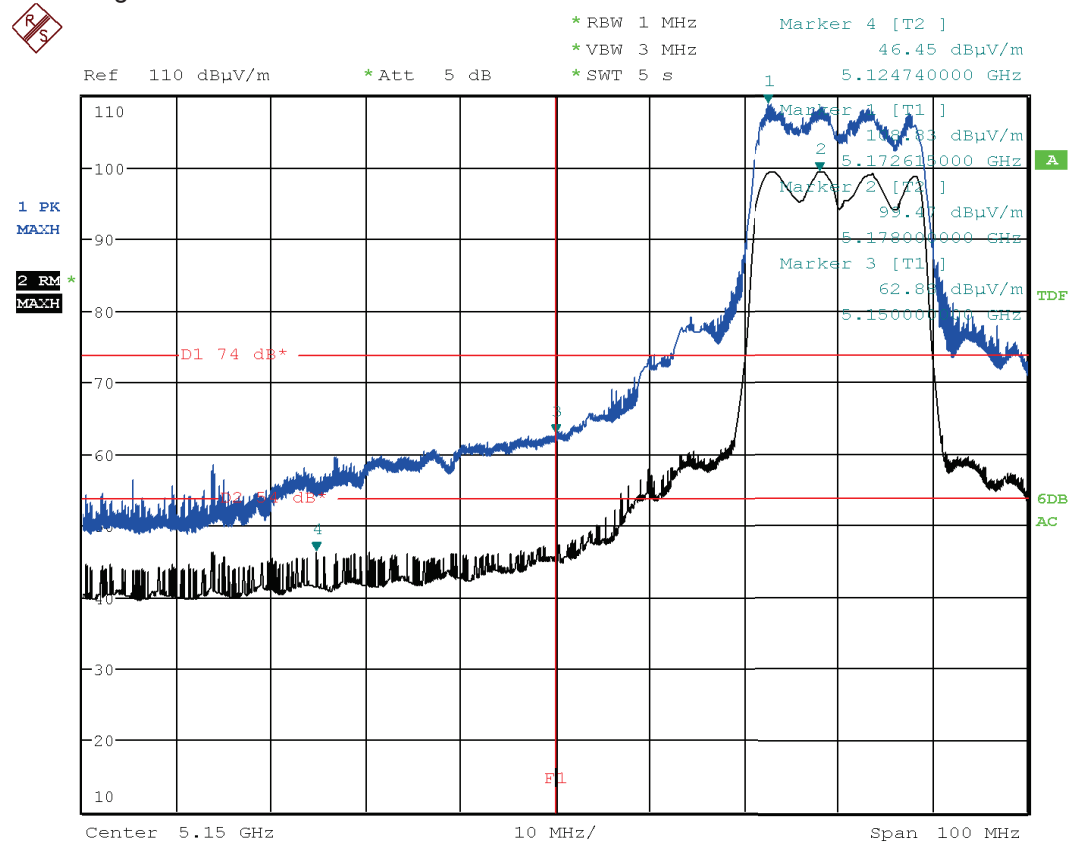
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



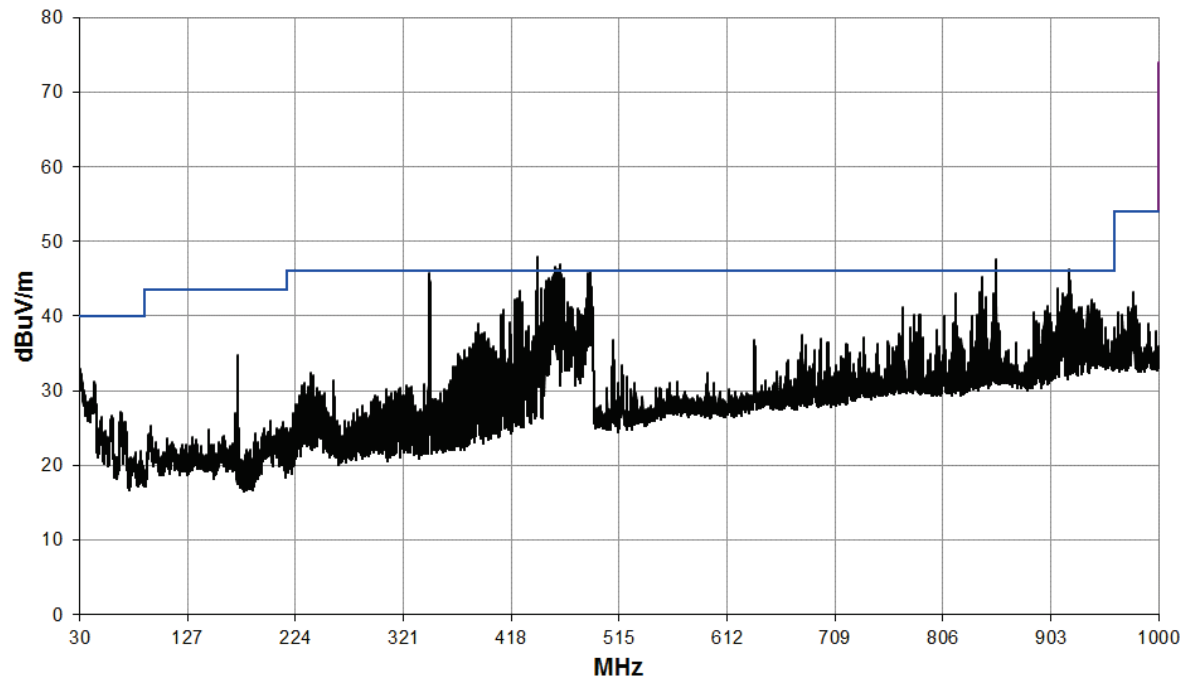
Band Edge



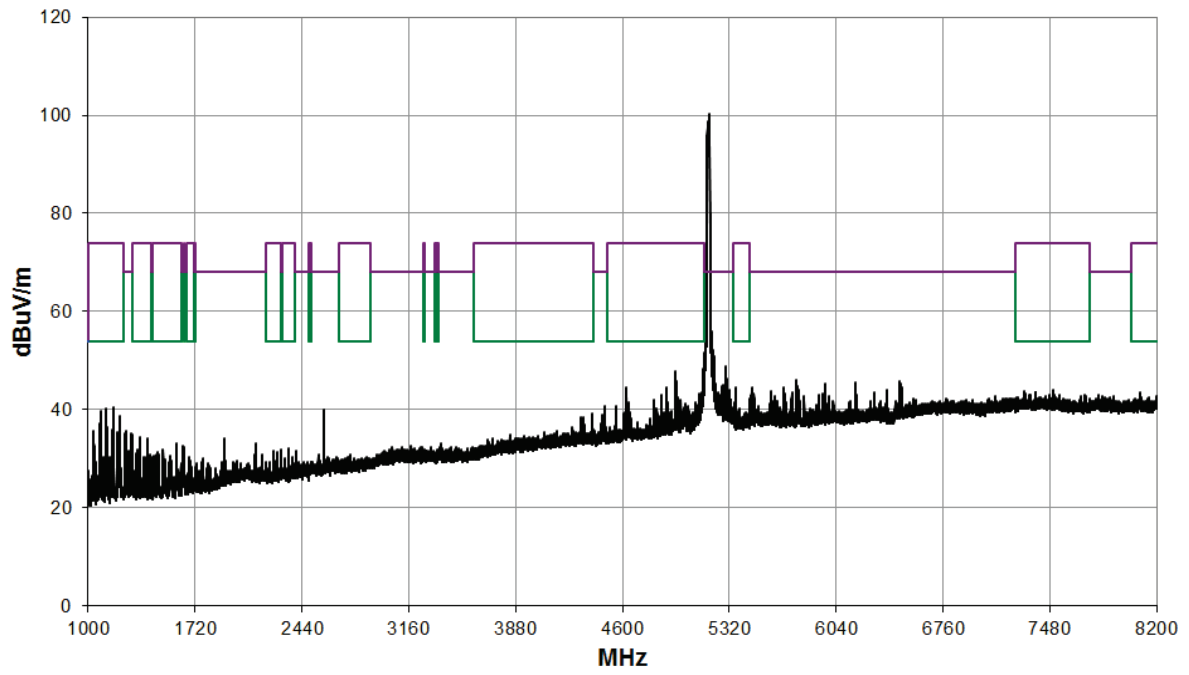
Date: 23.JUN.2020 15:38:00

SISO; Mode: 802.11n20; Channel: CH36; Frequency: 5180 MHz; Bandwidth: 20 MHz; MCS Index: 7										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	4968.7	22.4	5.5	33.3	0.0	0.0	57.7	-3.5	767.4	2500
PK	5303.4	24.9	5.7	34.4	0.0	0.0	61.5	-3.5	118.5	2500
PK	5470.8	22.3	5.9	34.8	0.0	0.0	59.5	-3.5	944.1	2500
PK	5767.0	15.6	6.0	35.2	0.0	0.0	53.3	-3.5	462.4	2500
PK	5960.9	17.3	6.1	36.0	0.0	0.0	55.9	-3.5	623.7	2500
PK	6165.1	13.8	6.3	36.2	0.0	0.0	52.8	-3.5	436.5	2500
PK	6468.2	17.5	6.6	36.6	0.0	0.0	57.2	-3.5	724.4	2500
AV	15542.6	48.5	10.9	31.8	34.4	0.0	47.3	-9.5	231.7	500
PK	15547.4	55.3	10.9	31.8	34.4	0.0	54.1	-9.5	507.0	5000

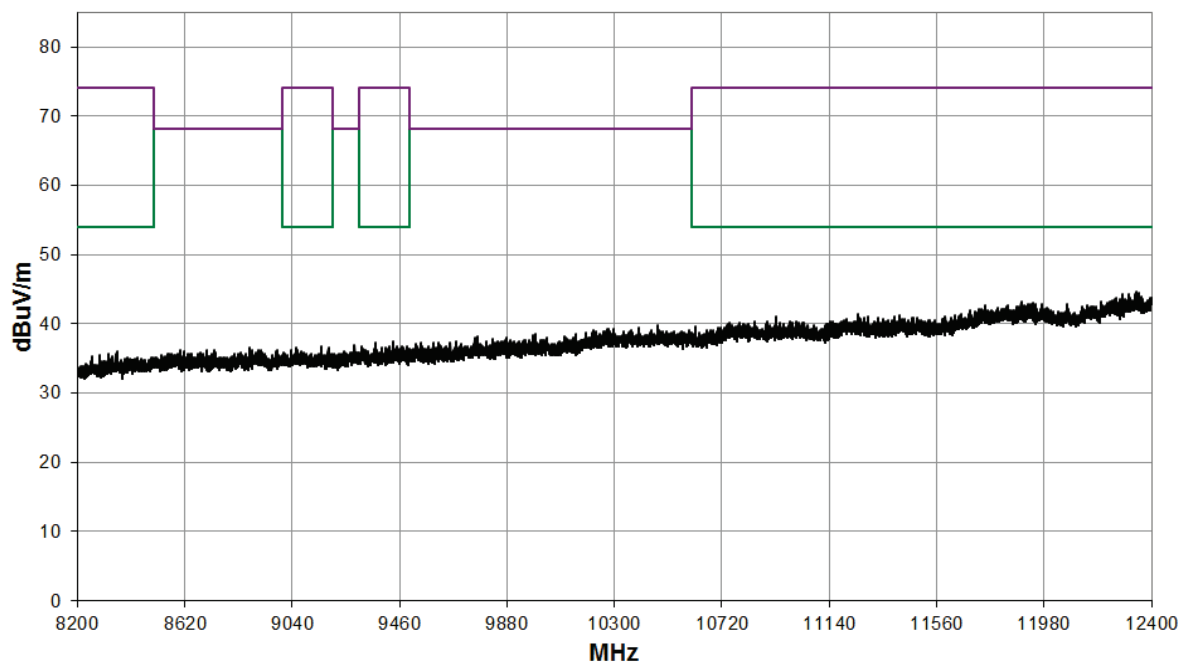
30 MHz to 1 GHz



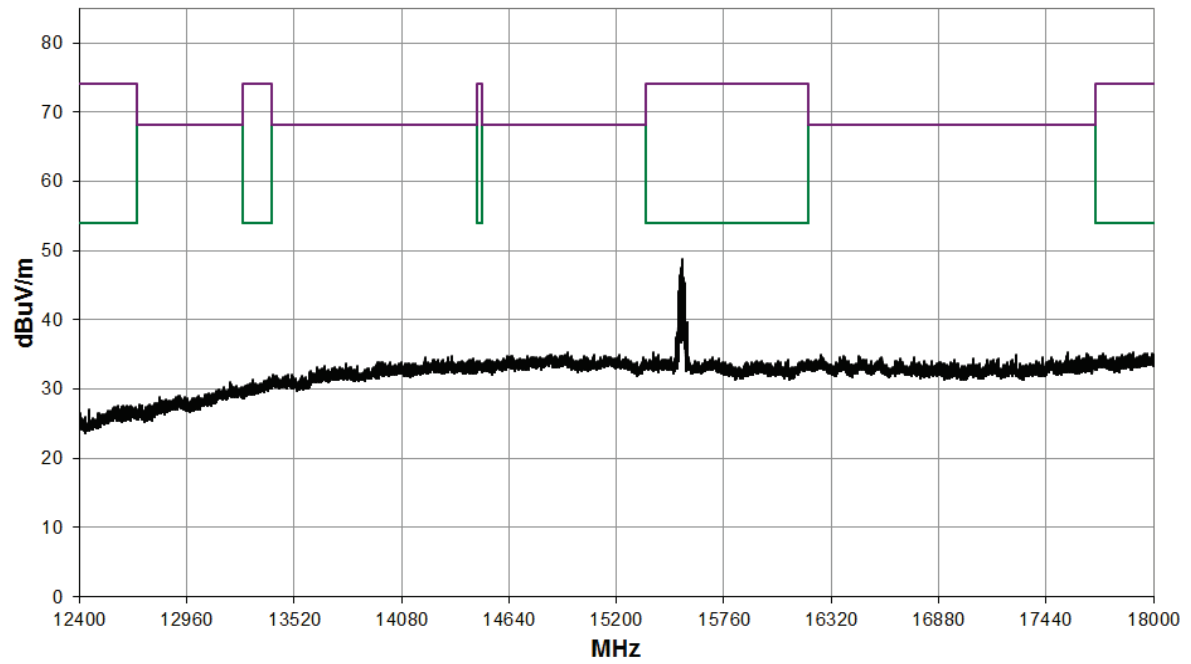
1 GHz to 8.2 GHz



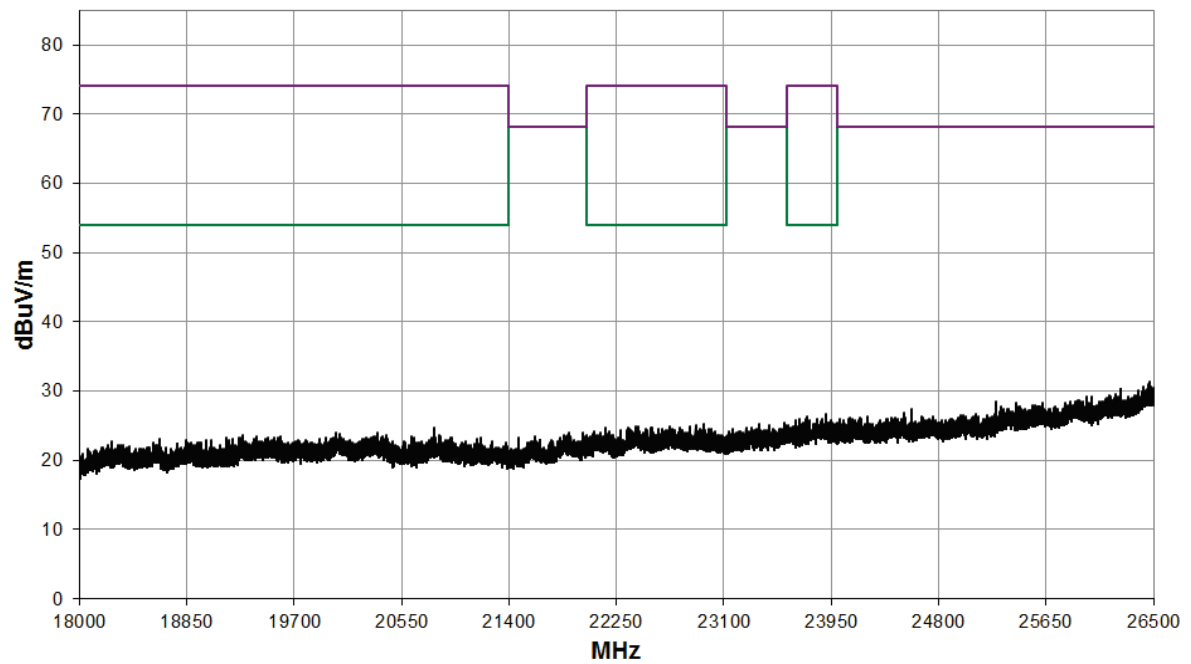
8.2 GHz to 12.4 GHz



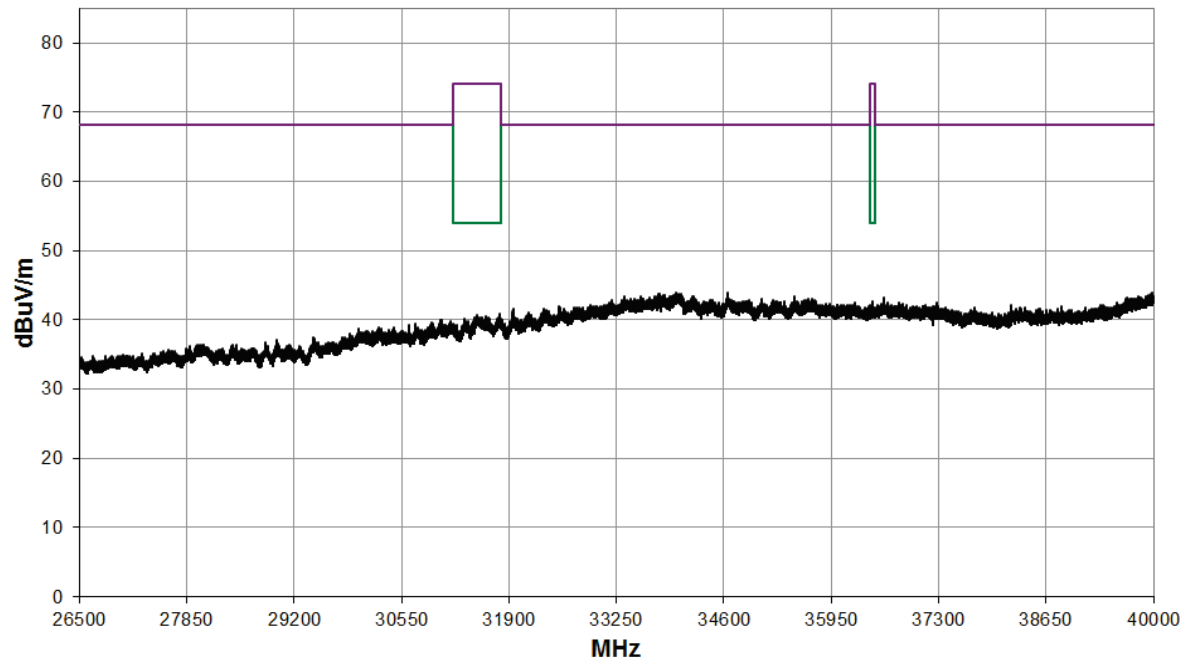
12.4 GHz to 18 GHz



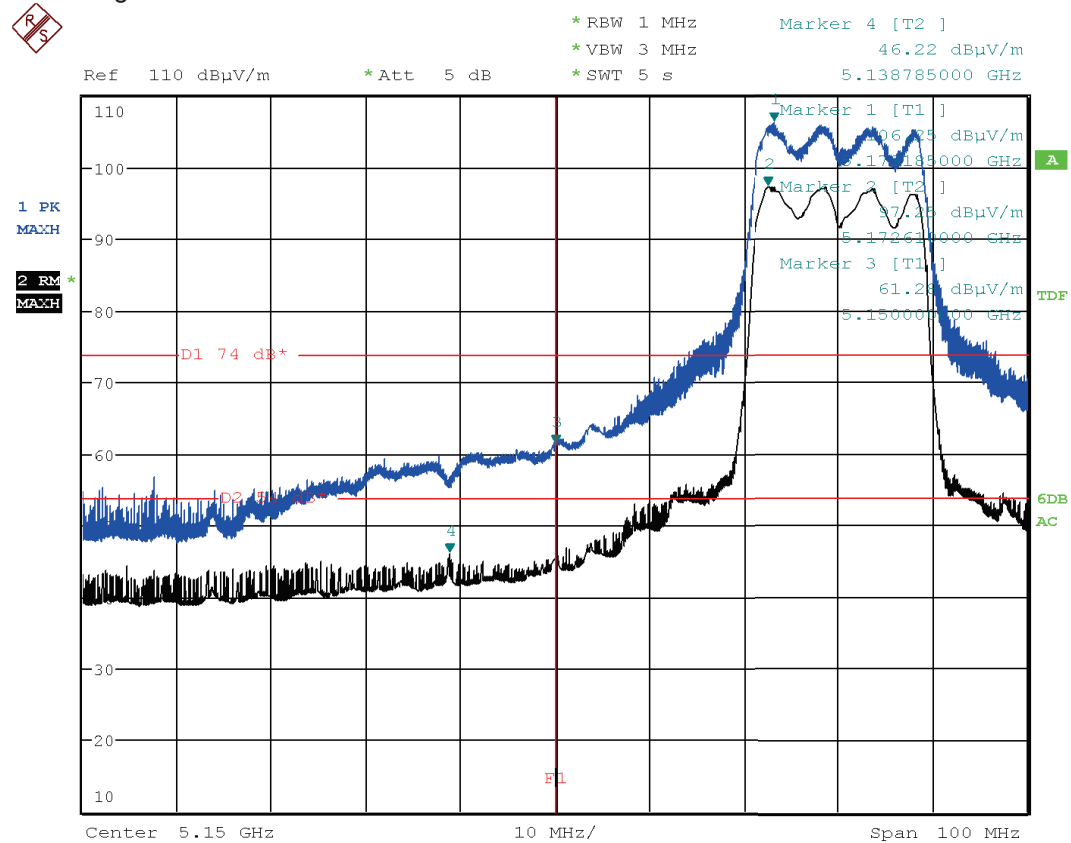
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



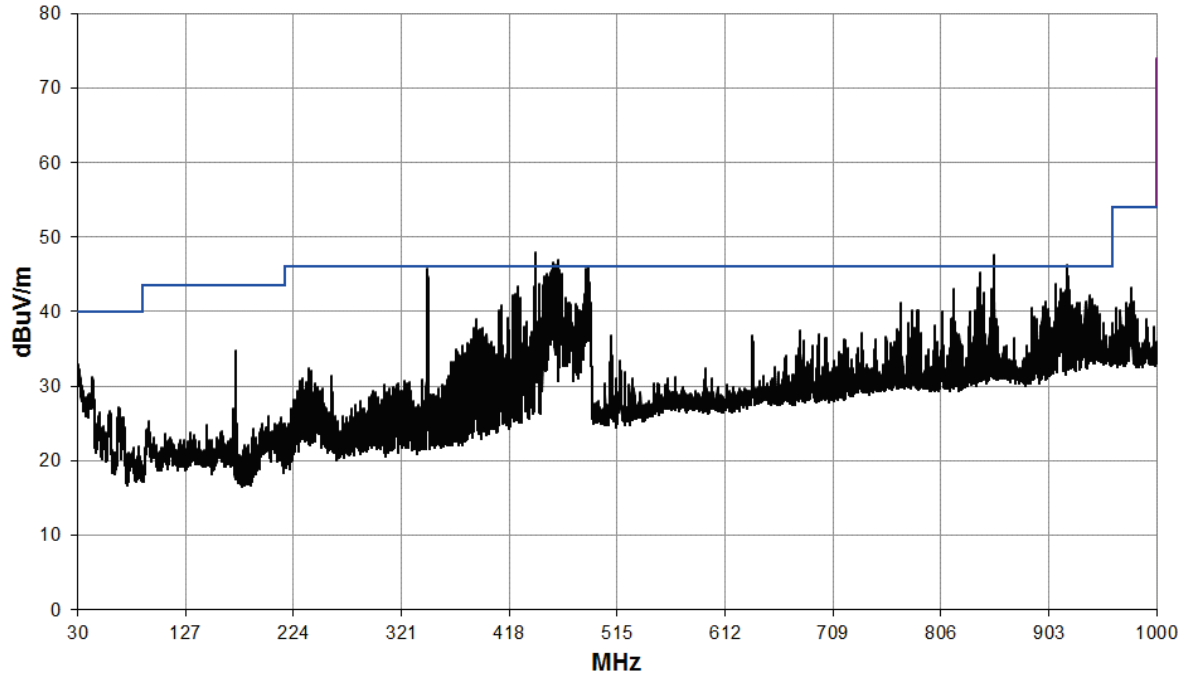
Band Edge



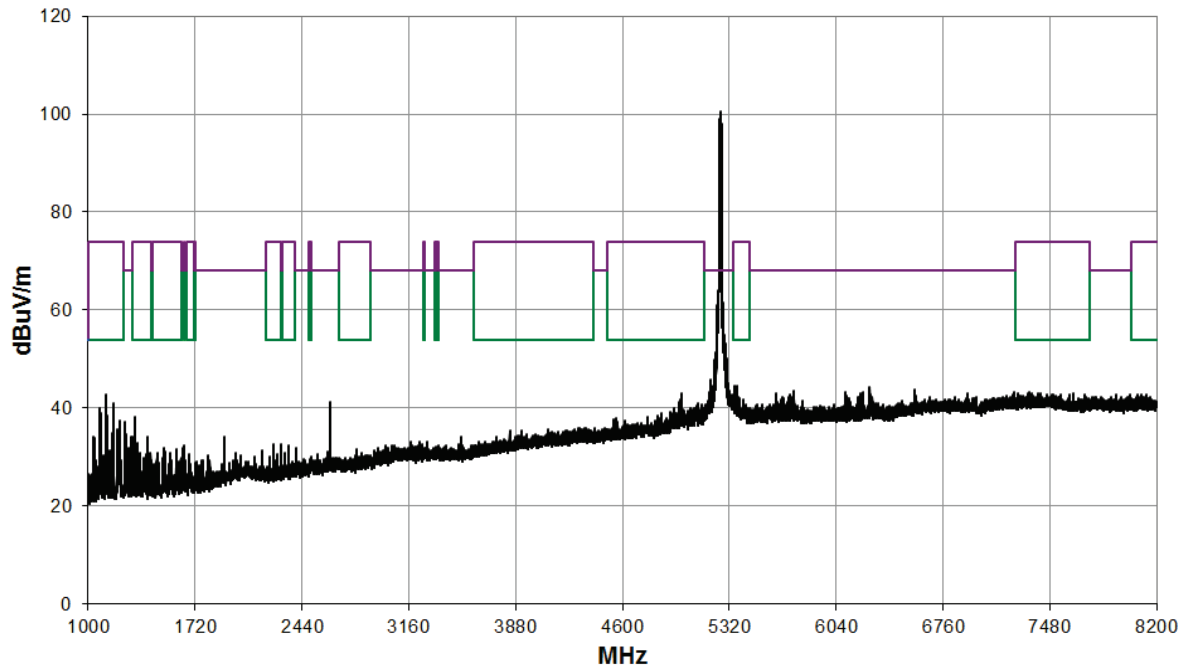
Date: 23.JUN.2020 15:40:47

SISO; Mode: 802.11n20; Channel: CH52; Frequency: 5260 MHz; Bandwidth: 20 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	15782.6	55.3	11.0	32.1	34.6	0.0	54.3	-9.5	518.8	5000
AV	15783.0	51.3	11.0	32.1	34.6	0.0	40.3	-9.5	103.5	500

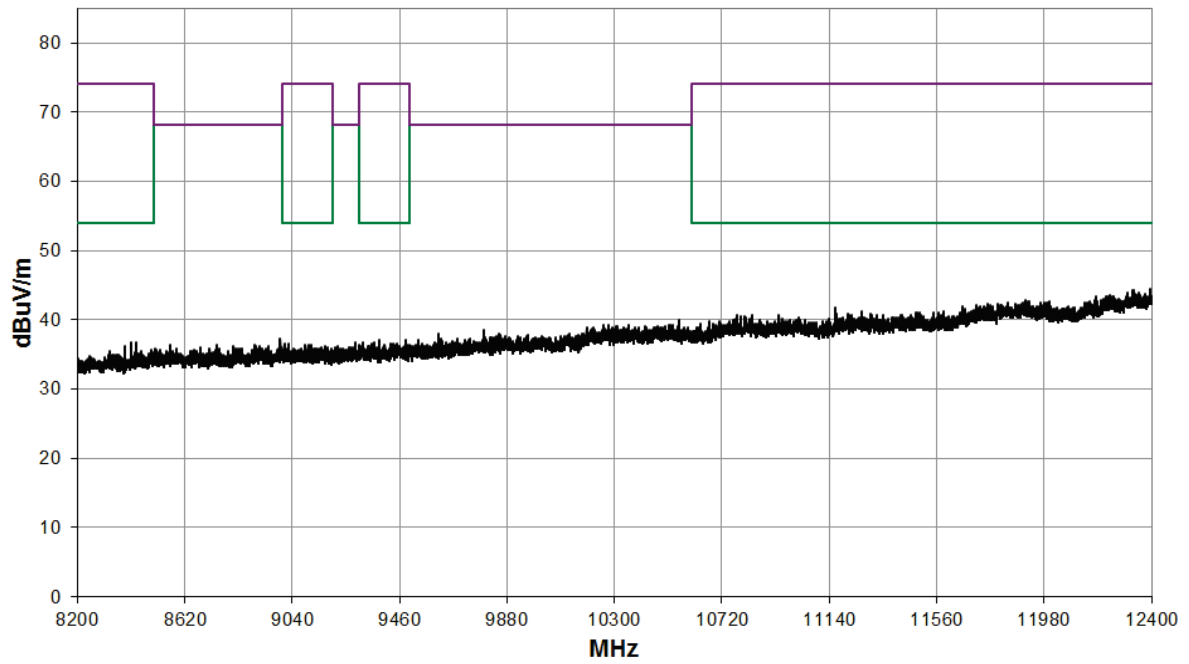
30 MHz to 1 GHz



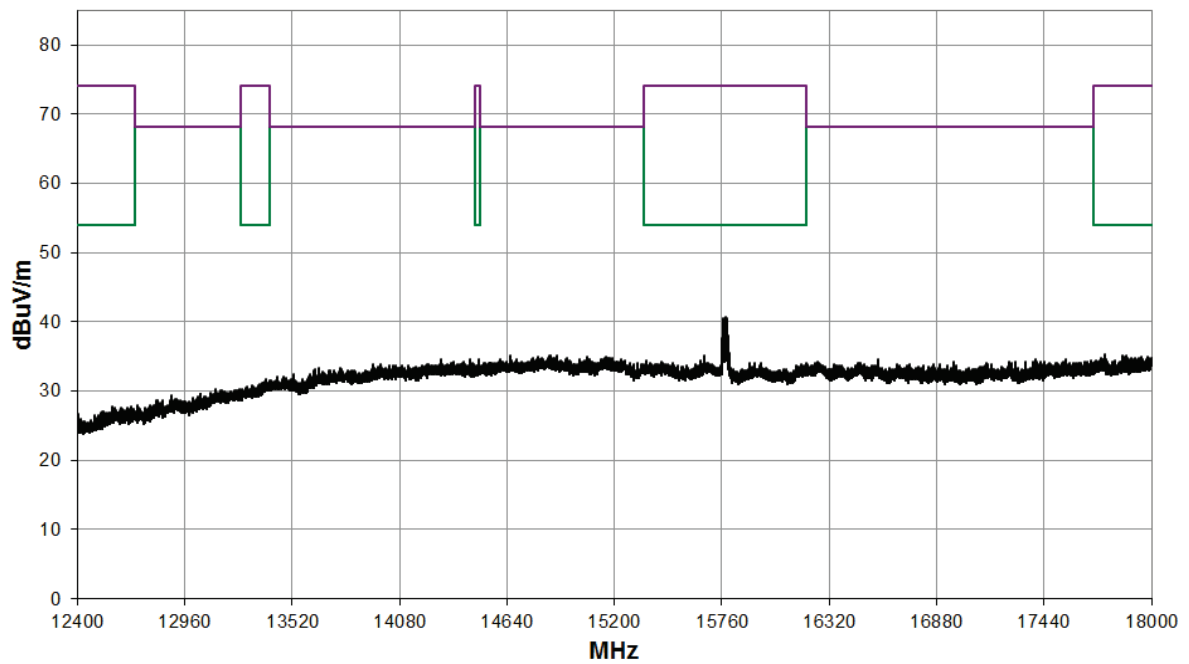
1 GHz to 8.2 GHz



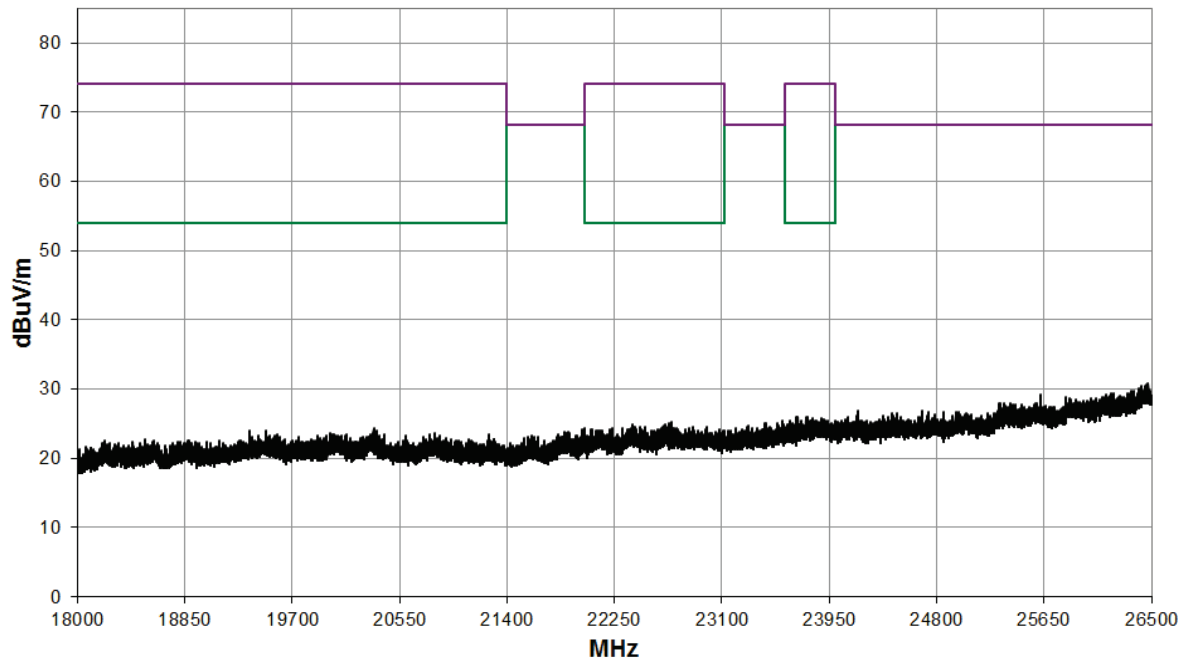
8.2 GHz to 12.4 GHz



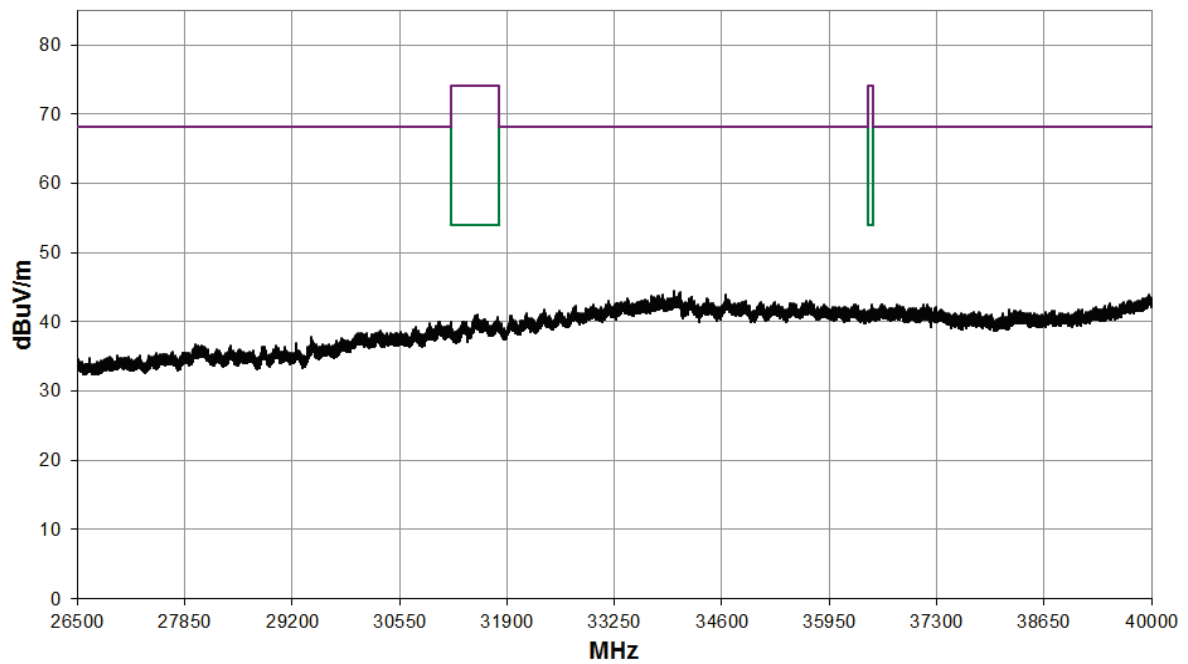
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

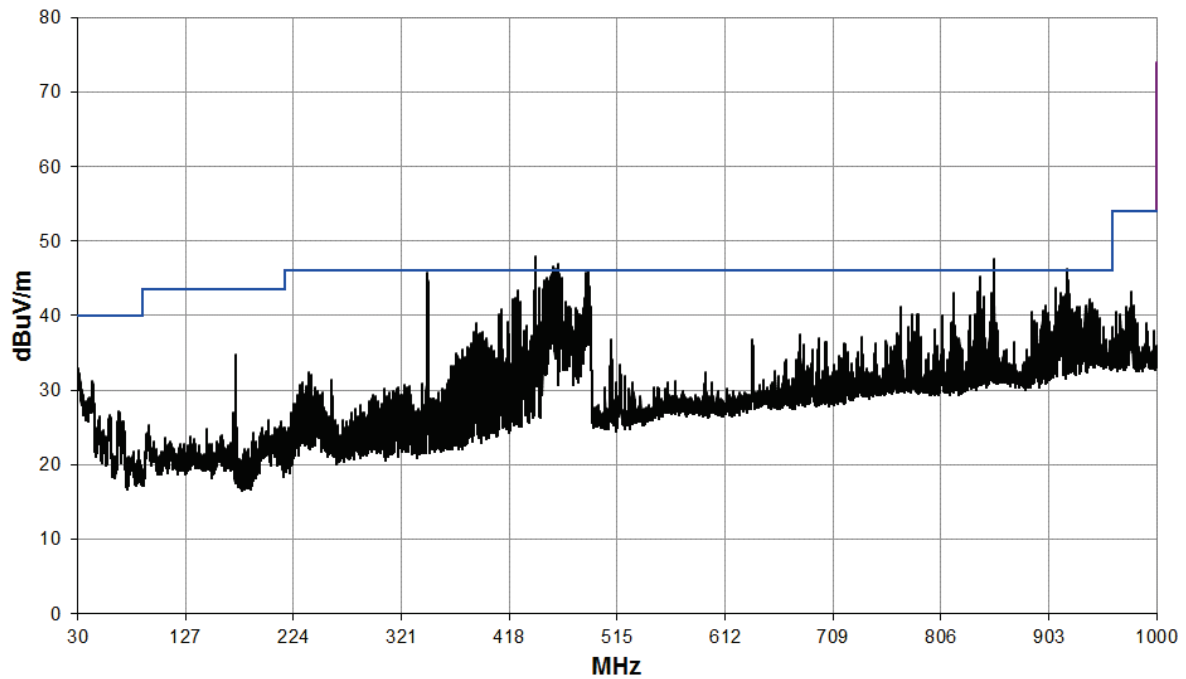


26.5 GHz to 40 GHz

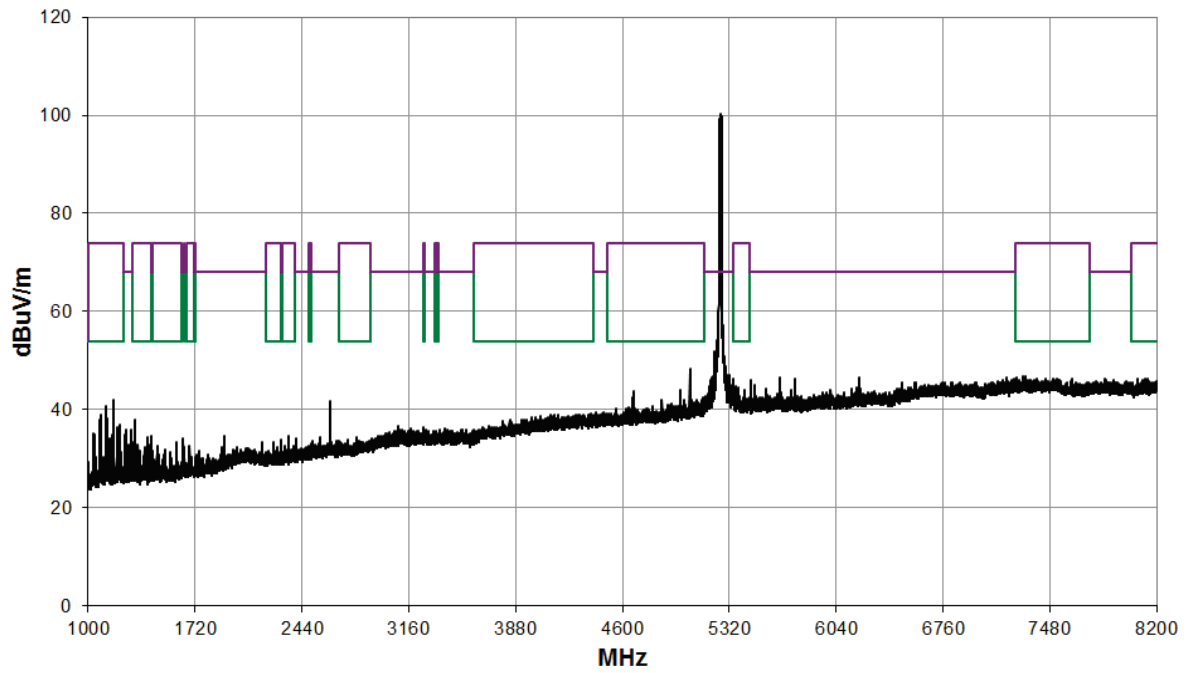


SISO; Mode: 802.11n20; Channel: CH52; Frequency: 5260 MHz; Bandwidth: 20 MHz; MCS Index: 7										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	4673.6	-4.3	5.3	33.1	0.0	0.0	31.1	0.0	35.9	500
PK	4987.1	15.6	5.5	33.3	0.0	0.0	54.4	0.0	524.8	5000
AV	4991.2	-3.5	5.5	33.3	0.0	0.0	35.5	0.0	59.6	500
PK	5051.3	15.6	5.5	33.3	0.0	0.0	54.4	0.0	524.8	5000
AV	5052.5	-2.8	5.5	33.3	0.0	0.0	36.0	0.0	63.1	500
AV	15777.7	41.5	11.0	32.1	34.6	0.0	40.5	-9.5	105.9	500
PK	15777.6	54.4	11.0	32.1	34.6	0.0	53.4	-9.5	467.7	5000

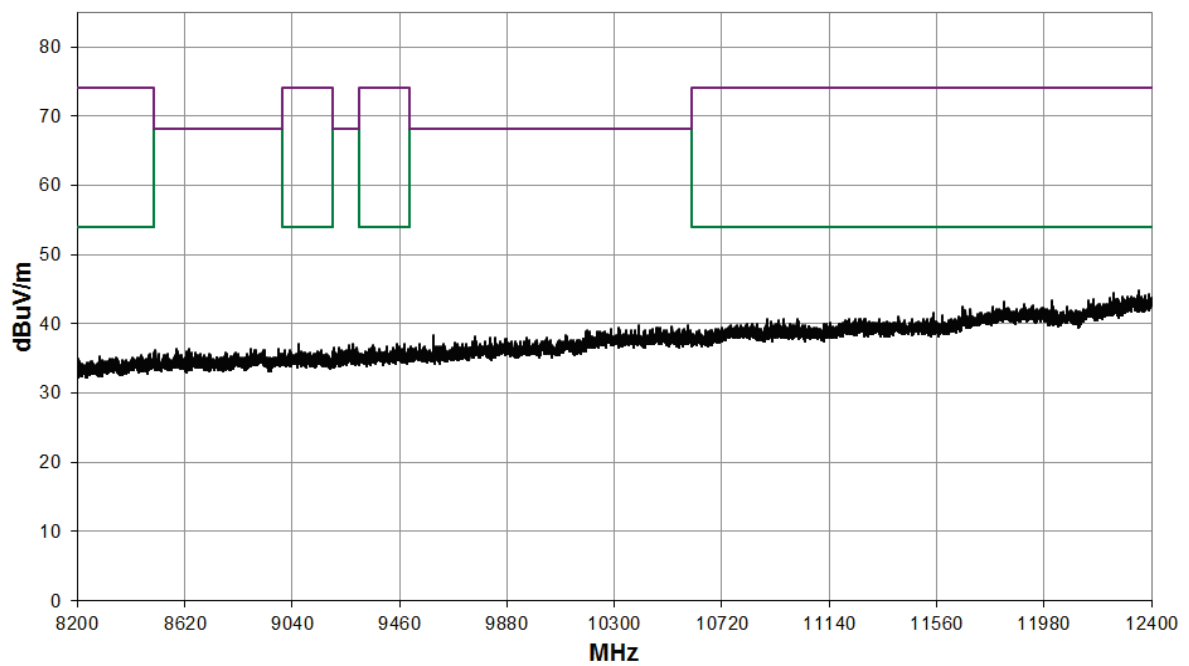
30 MHz to 1 GHz



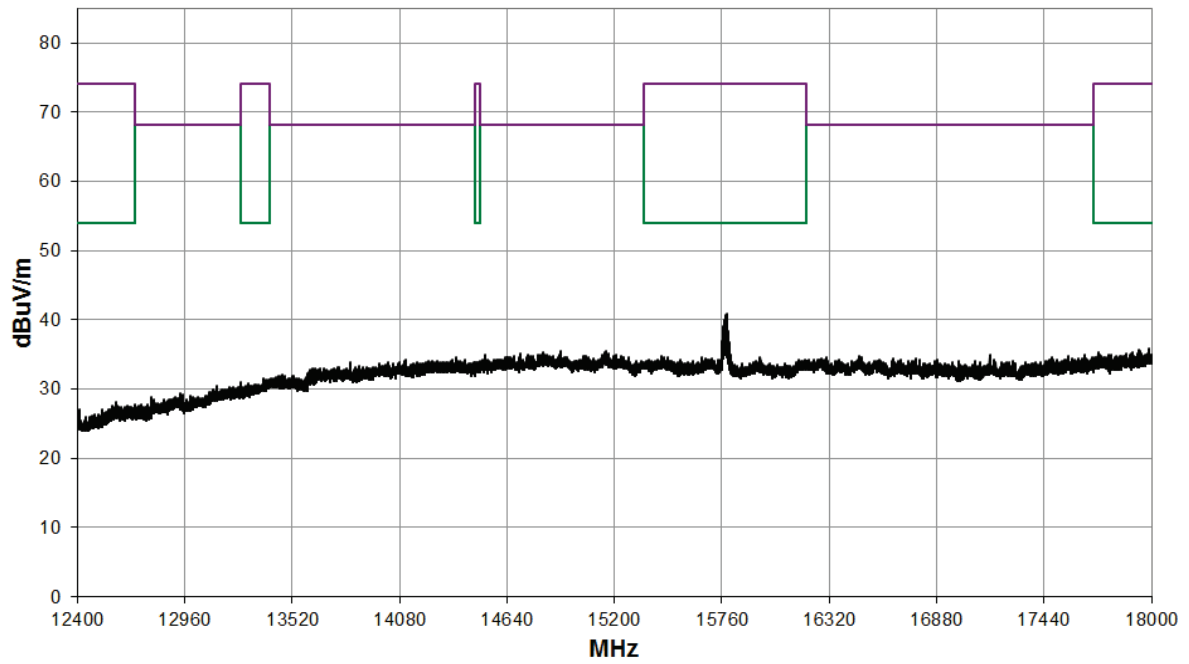
1 GHz to 8.2 GHz



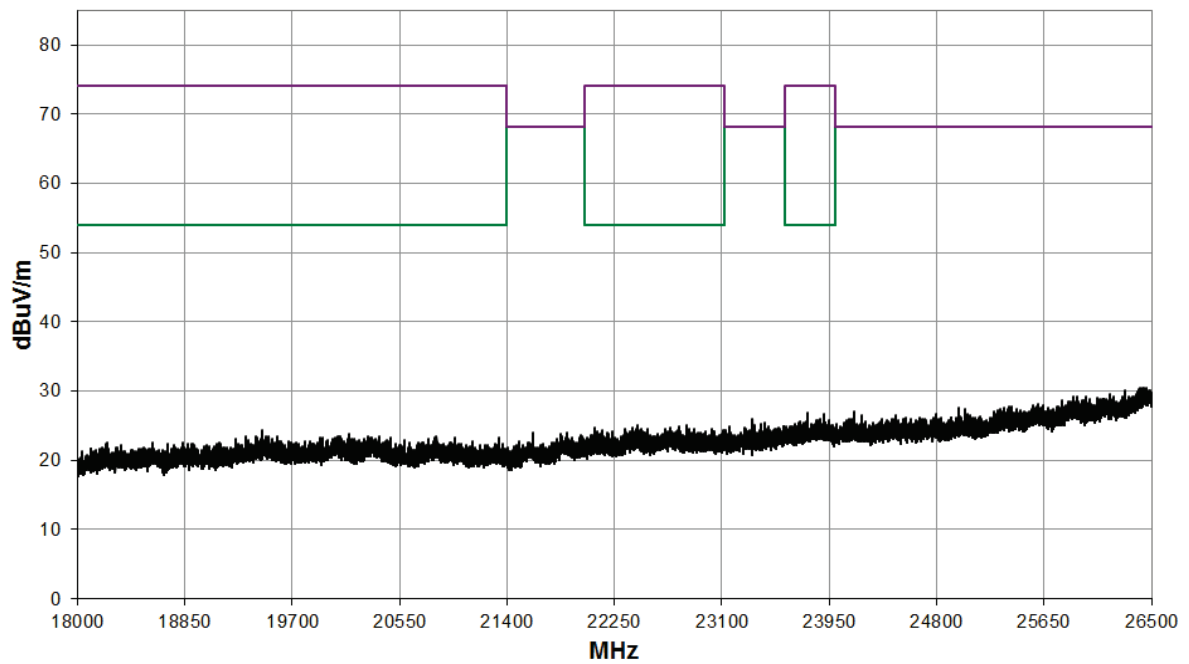
8.2 GHz to 12.4 GHz



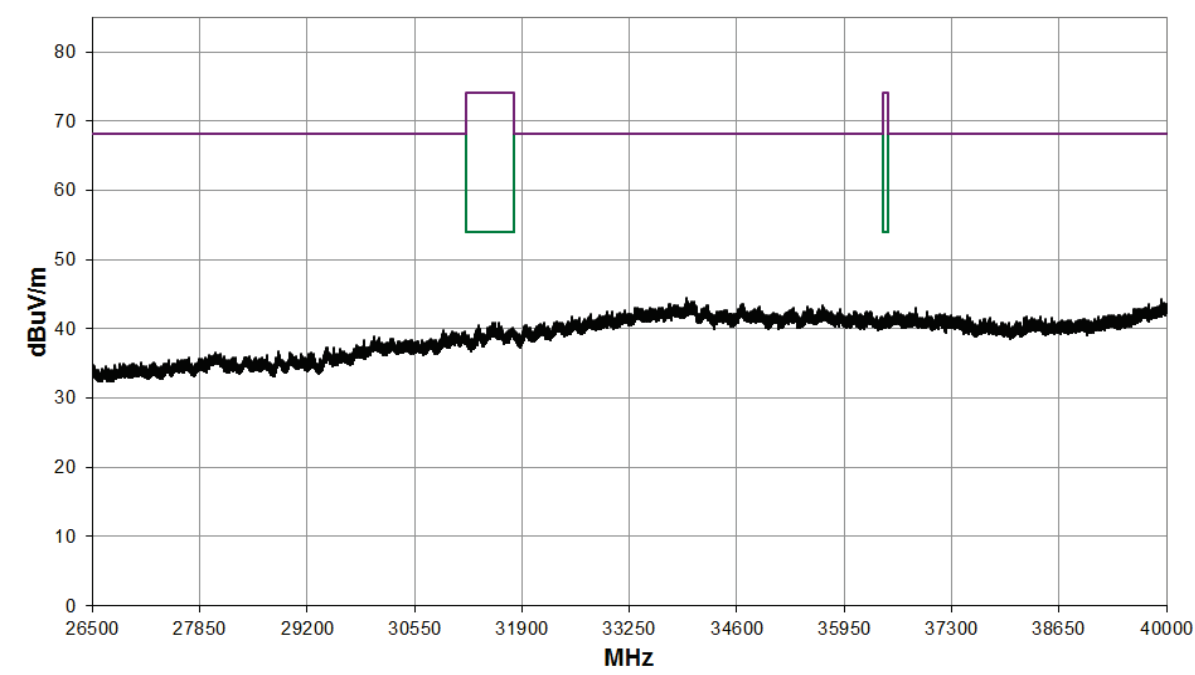
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

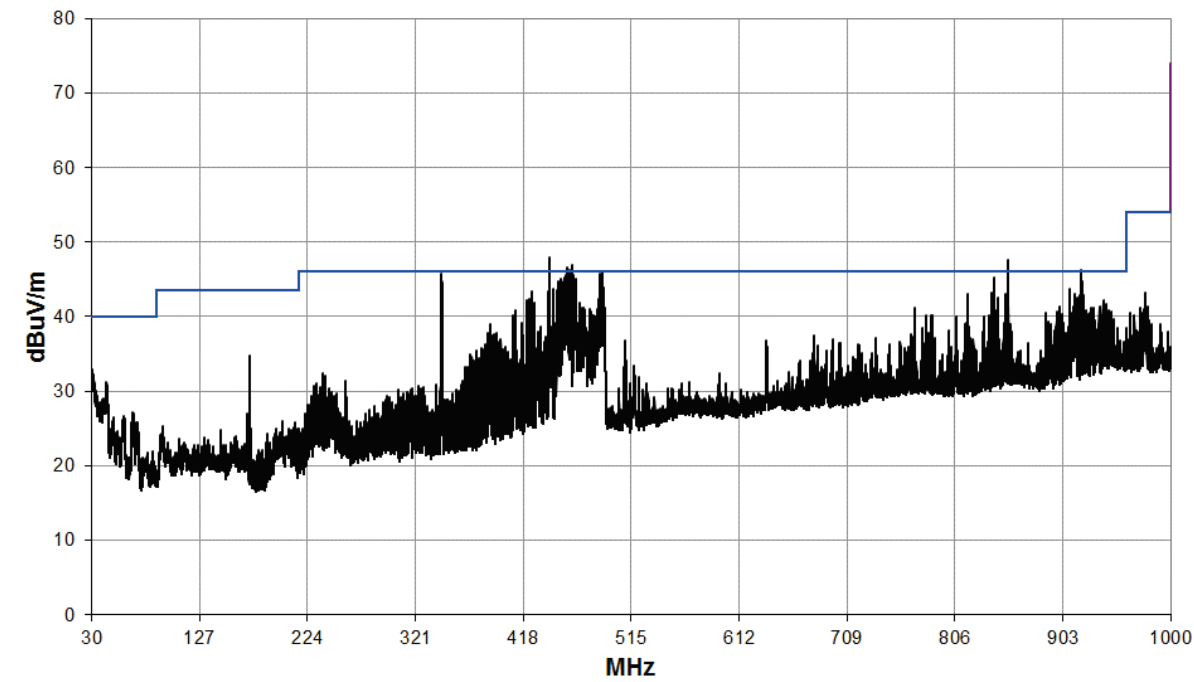


26.5 GHz to 40 GHz

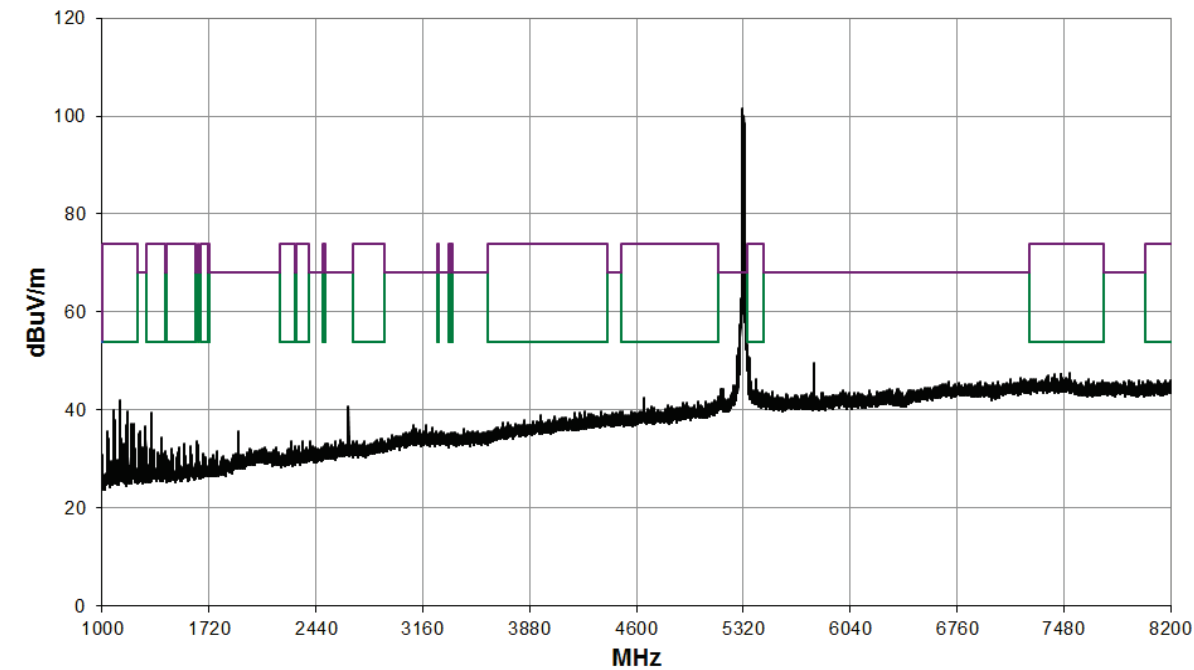


SISO; Mode: 802.11n20; Channel: CH64; Frequency: 5320 MHz; Bandwidth: 20 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	15961.0	43.6	11.1	32.2	34.7	0.0	42.7	-9.5	136.5	500
PK	15961.8	57.4	11.1	32.2	34.7	0.0	56.5	-9.5	668.3	5000

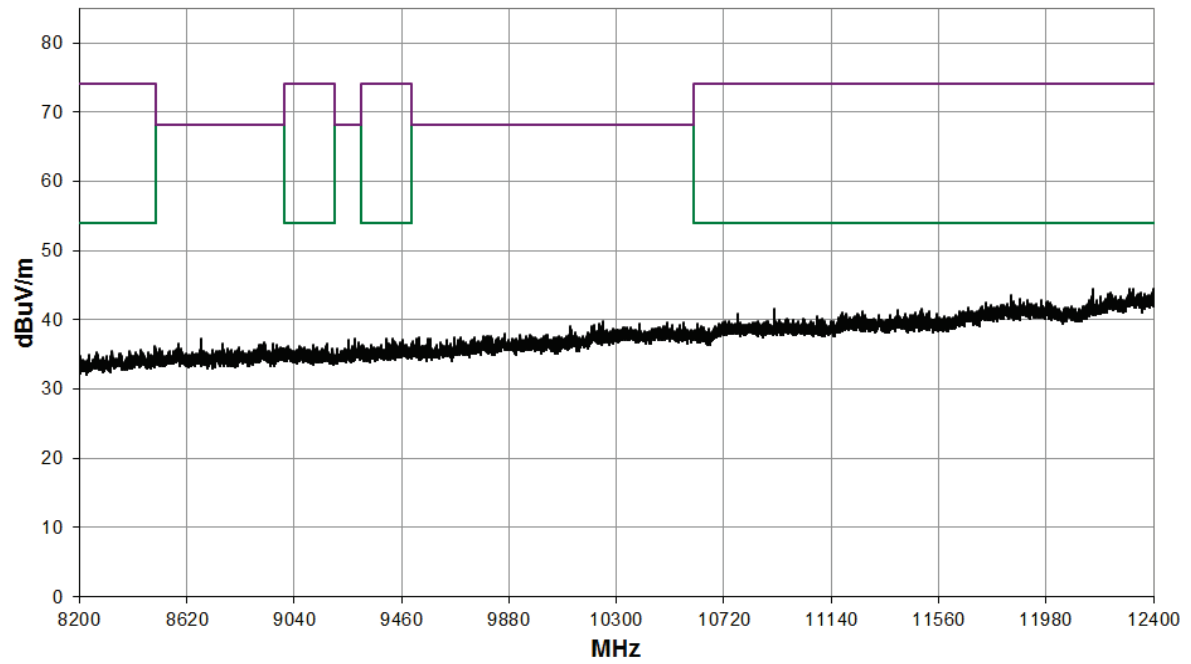
30 MHz to 1 GHz



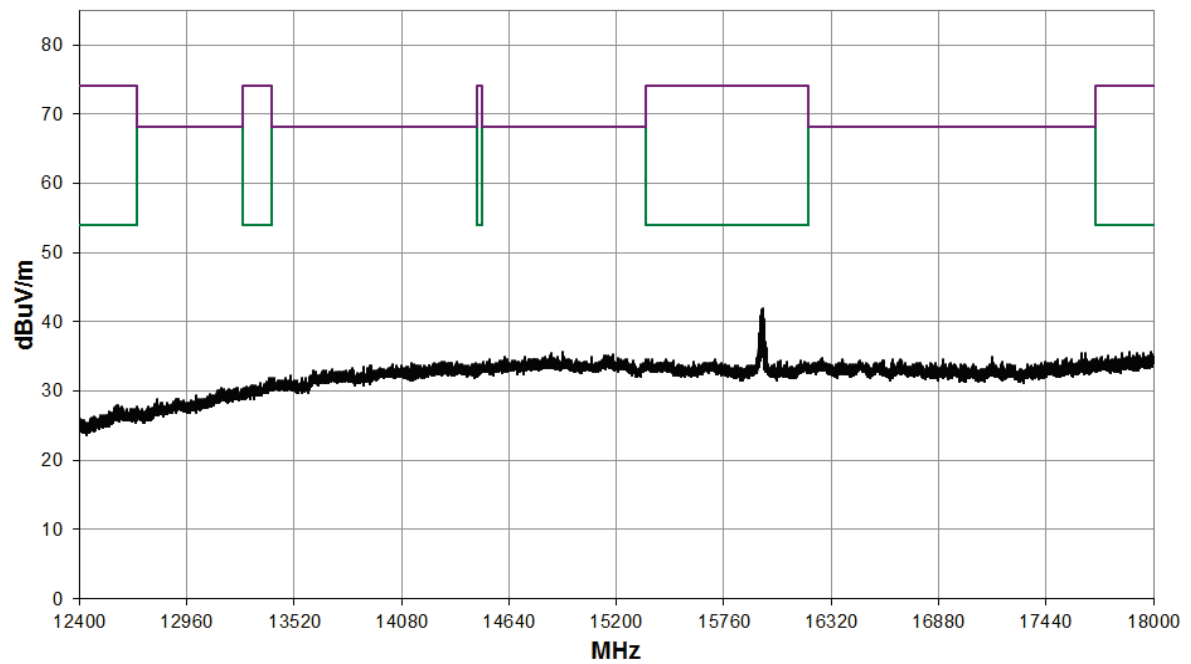
1 GHz to 8.2 GHz



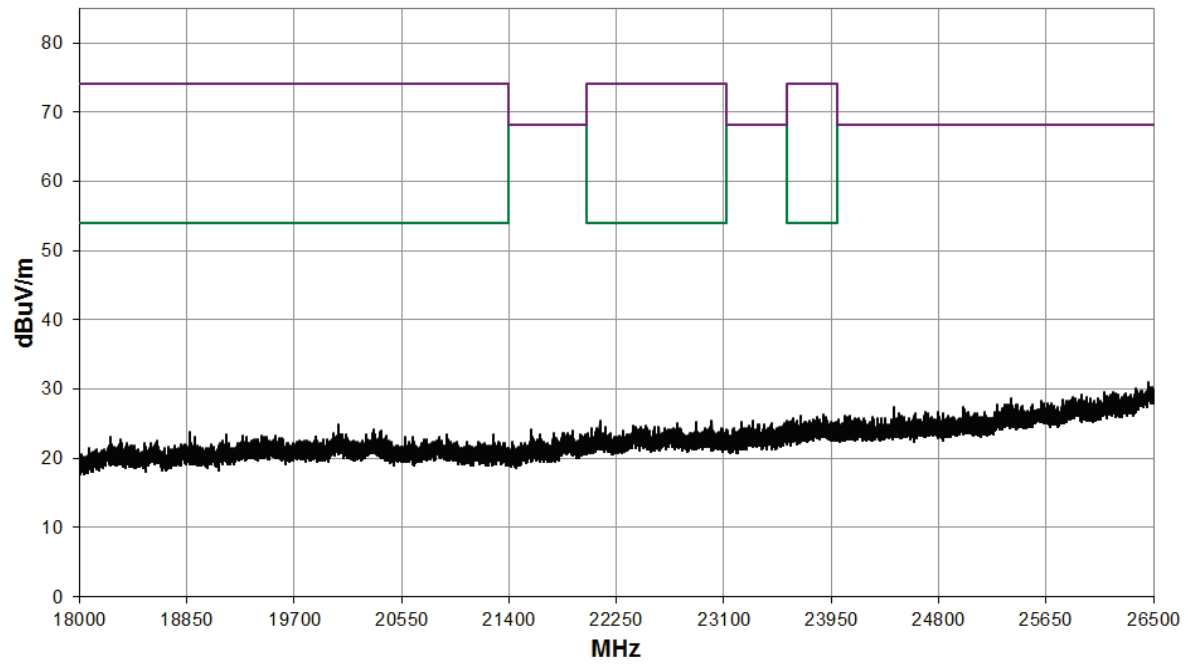
8.2 GHz to 12.4 GHz



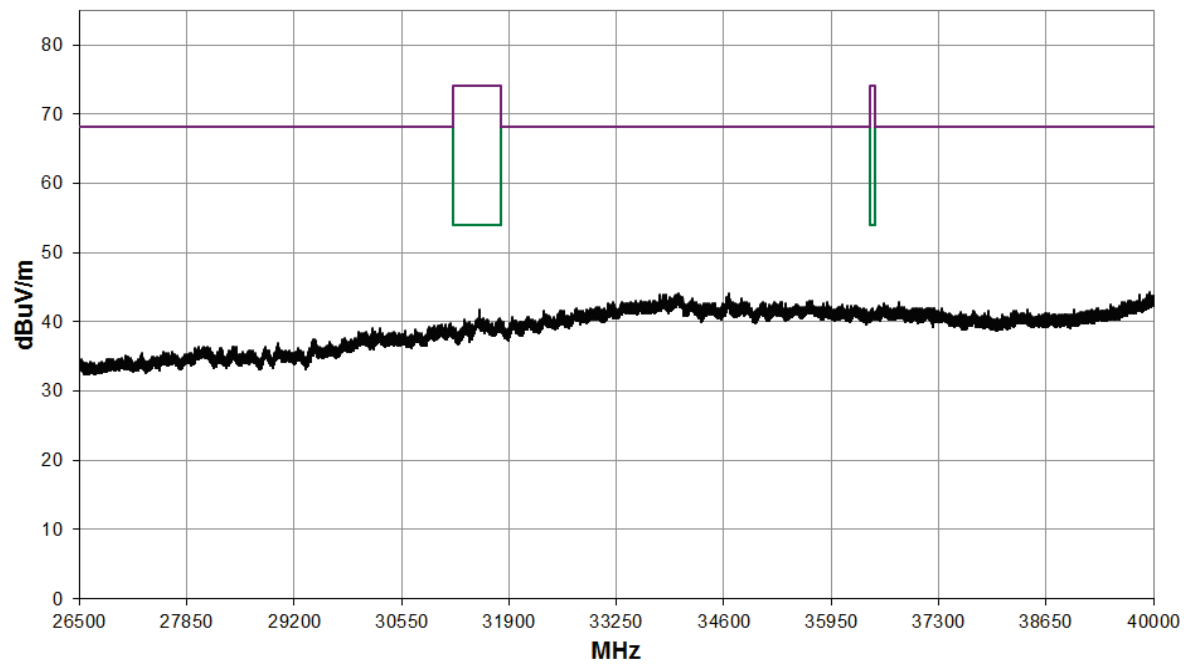
12.4 GHz to 18 GHz



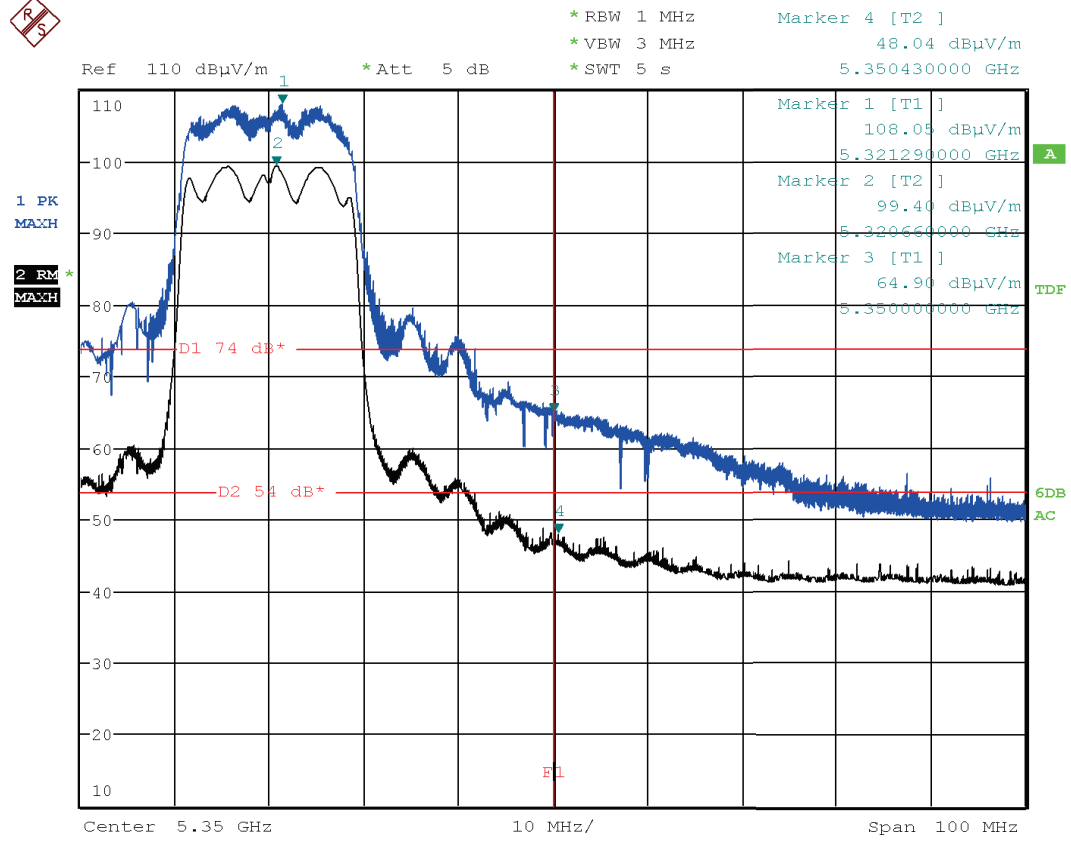
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



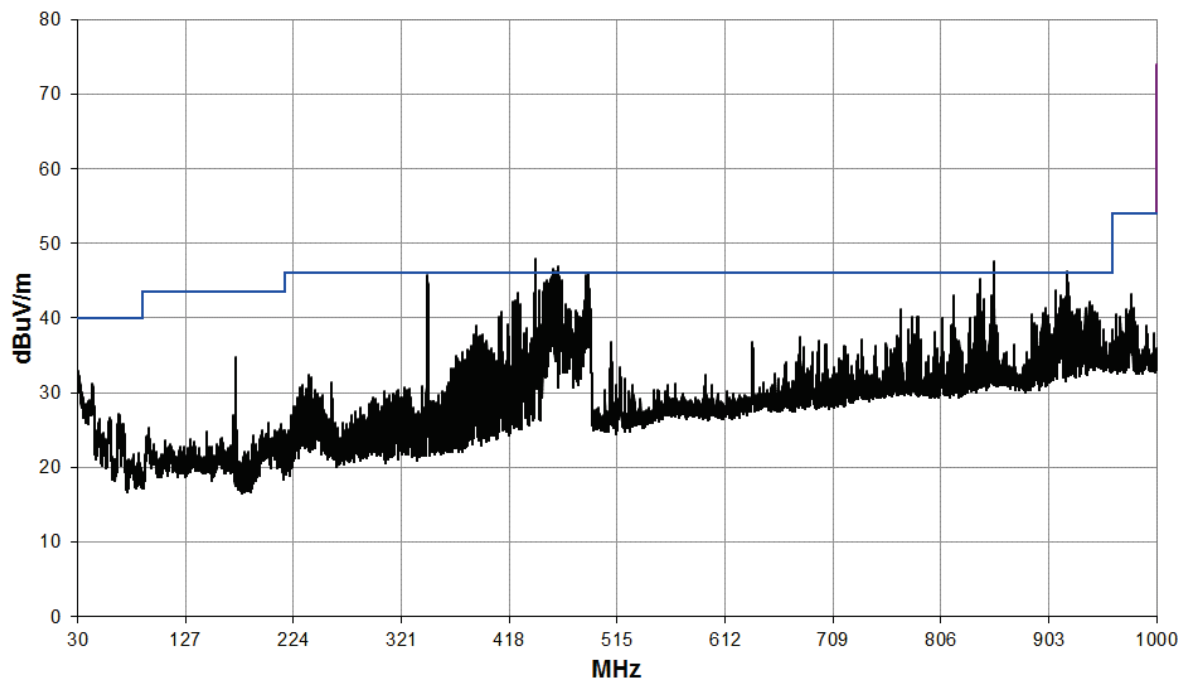
Band Edge



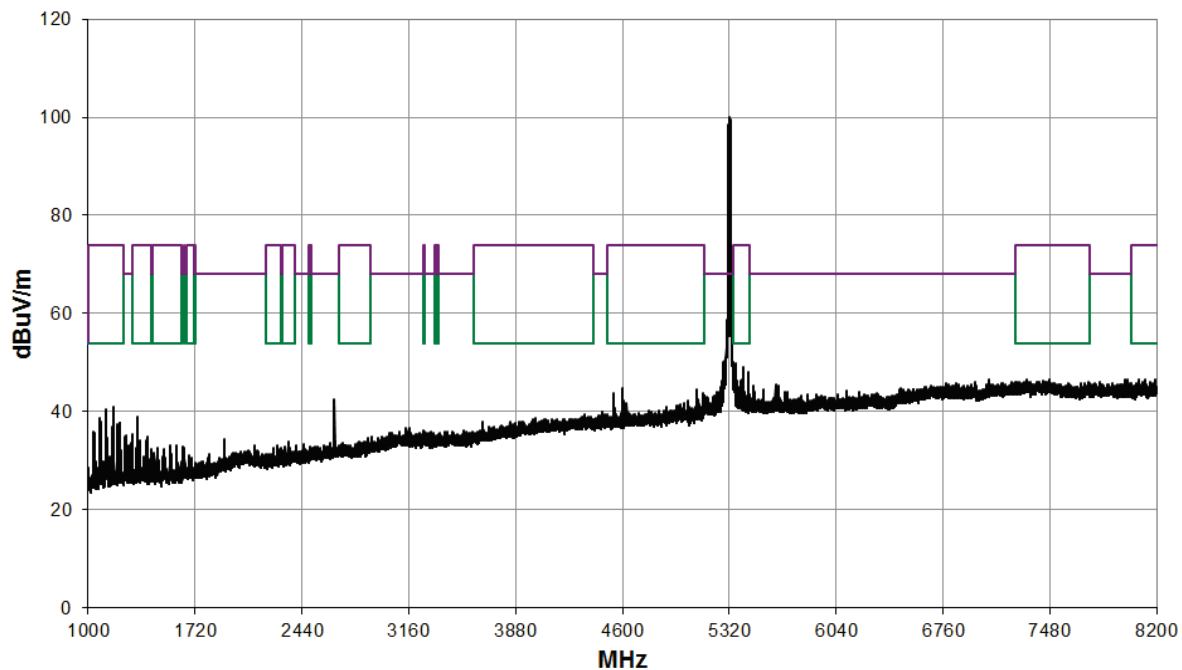
Date: 23.JUN.2020 16:51:04

SISO; Mode: 802.11n20; Channel: CH64; Frequency: 5320 MHz; Bandwidth: 20 MHz; MCS Index: 7										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	4600.8	16.7	5.3	32.9	0.0	0.0	54.9	0.0	555.9	5000
AV	4602.3	-3.8	5.3	32.9	0.0	0.0	34.4	0.0	52.5	500
AV	15961.0	41.8	11.1	32.2	34.7	0.0	40.9	0.0	110.9	500
PK	15961.0	55.3	11.1	32.2	34.7	0.0	54.4	0.0	524.8	5000

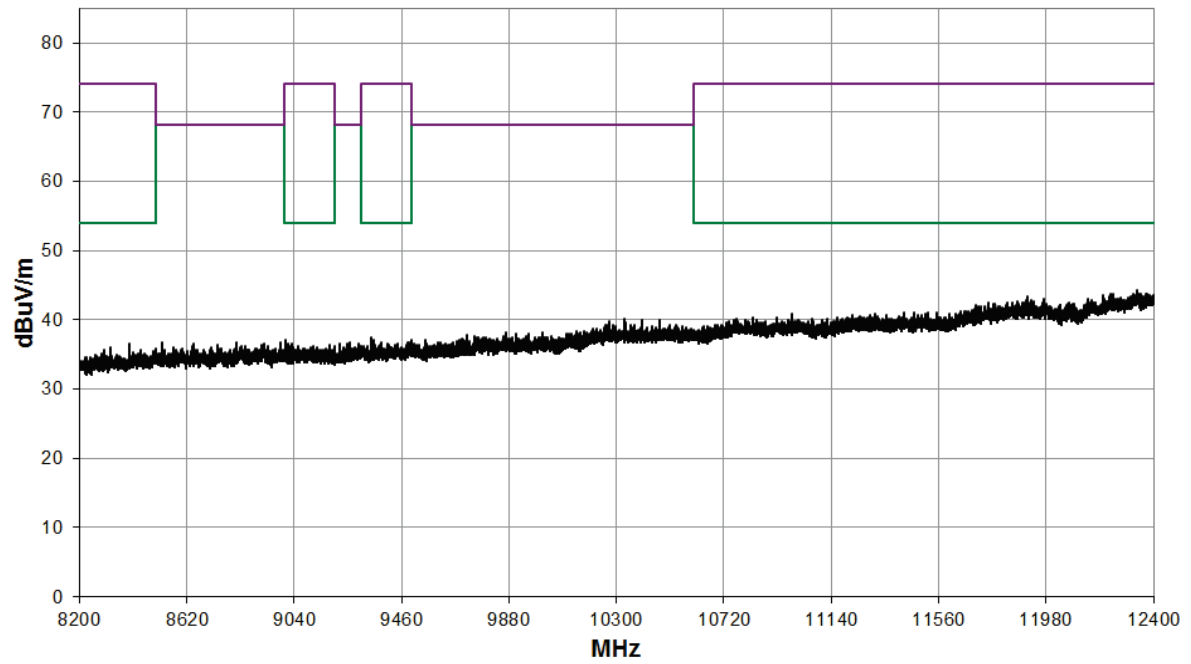
30 MHz to 1 GHz



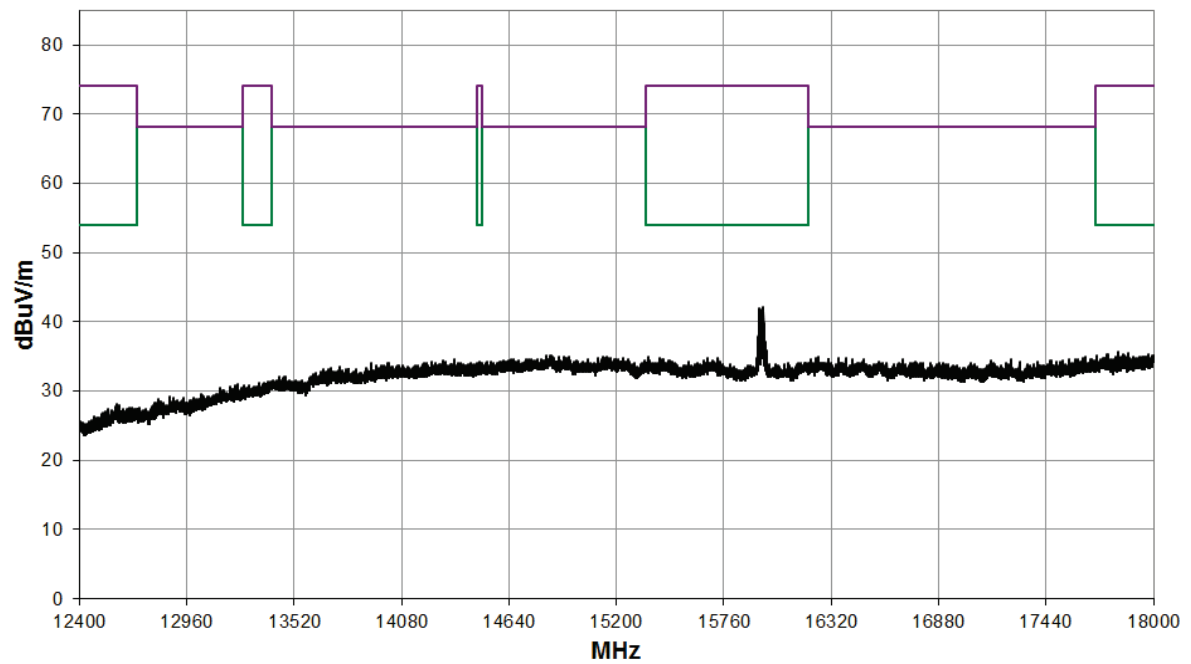
1 GHz to 8.2 GHz



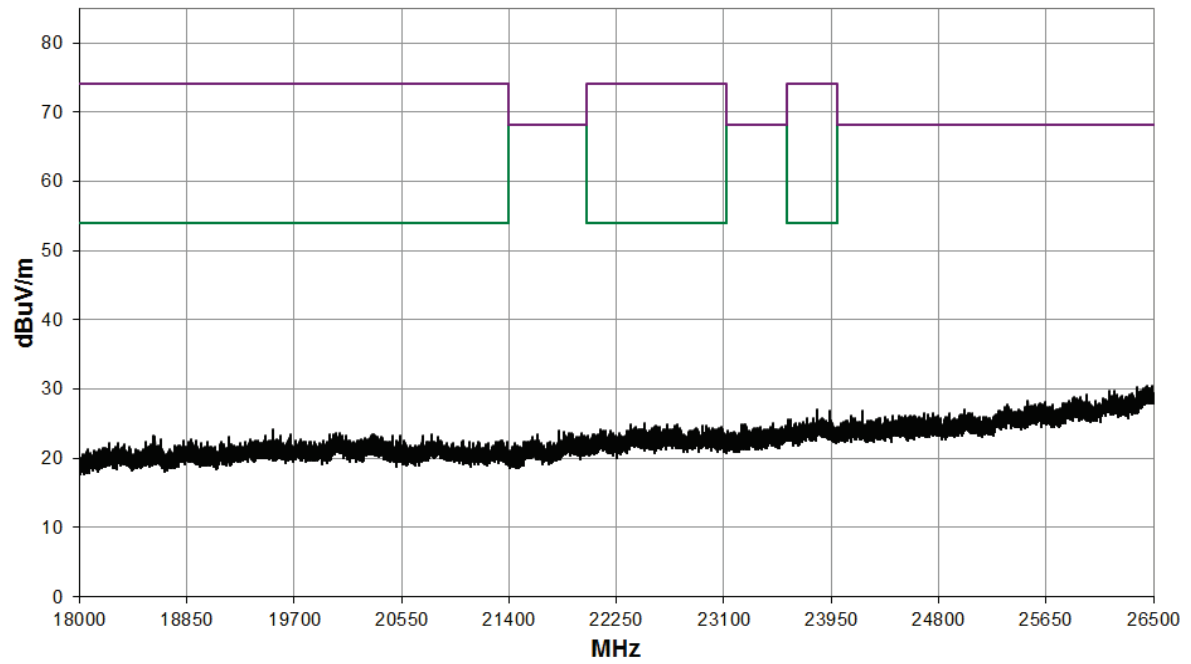
8.2 GHz to 12.4 GHz



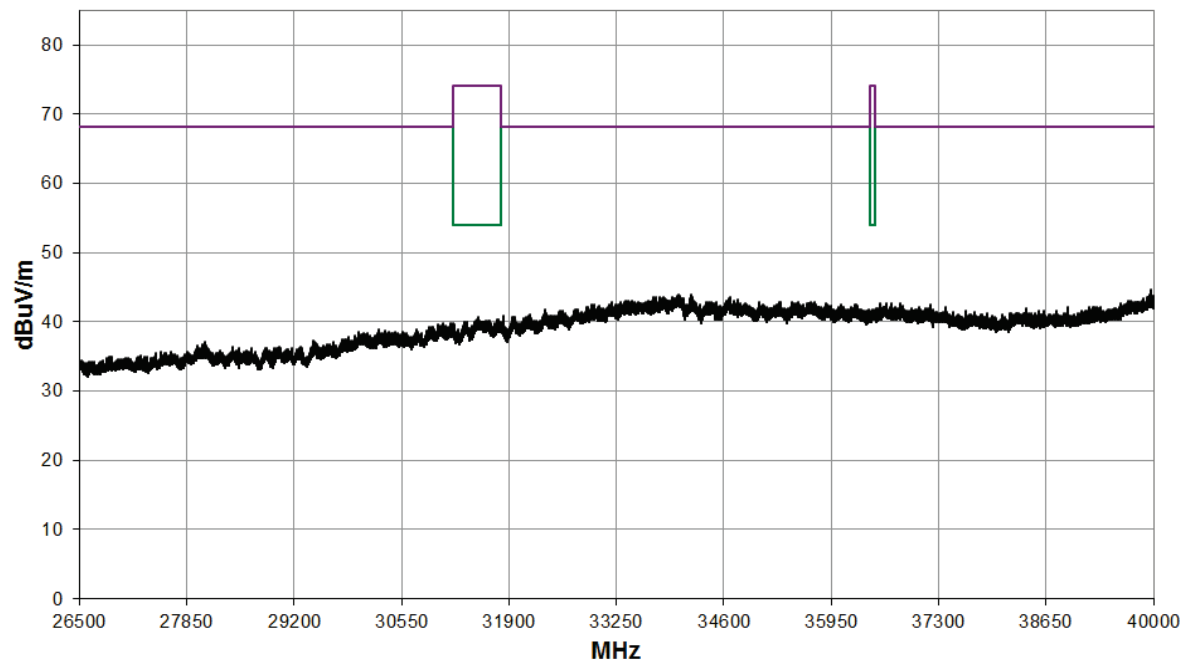
12.4 GHz to 18 GHz



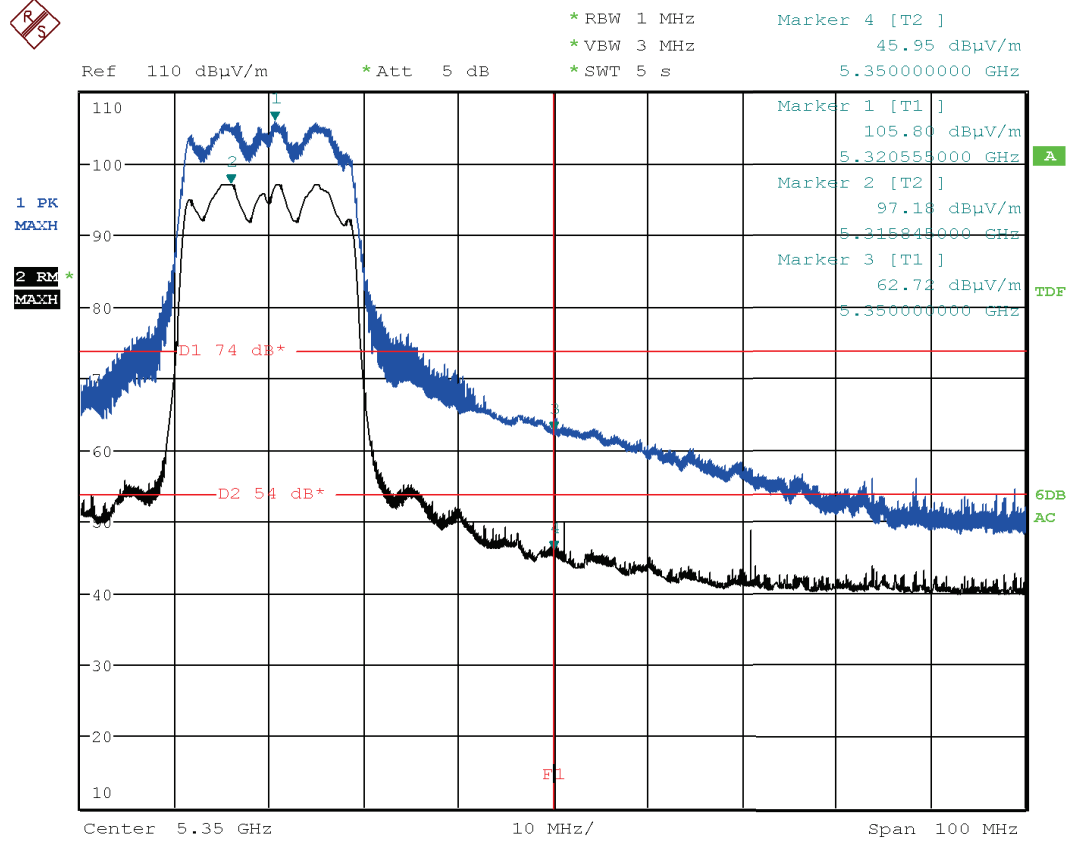
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



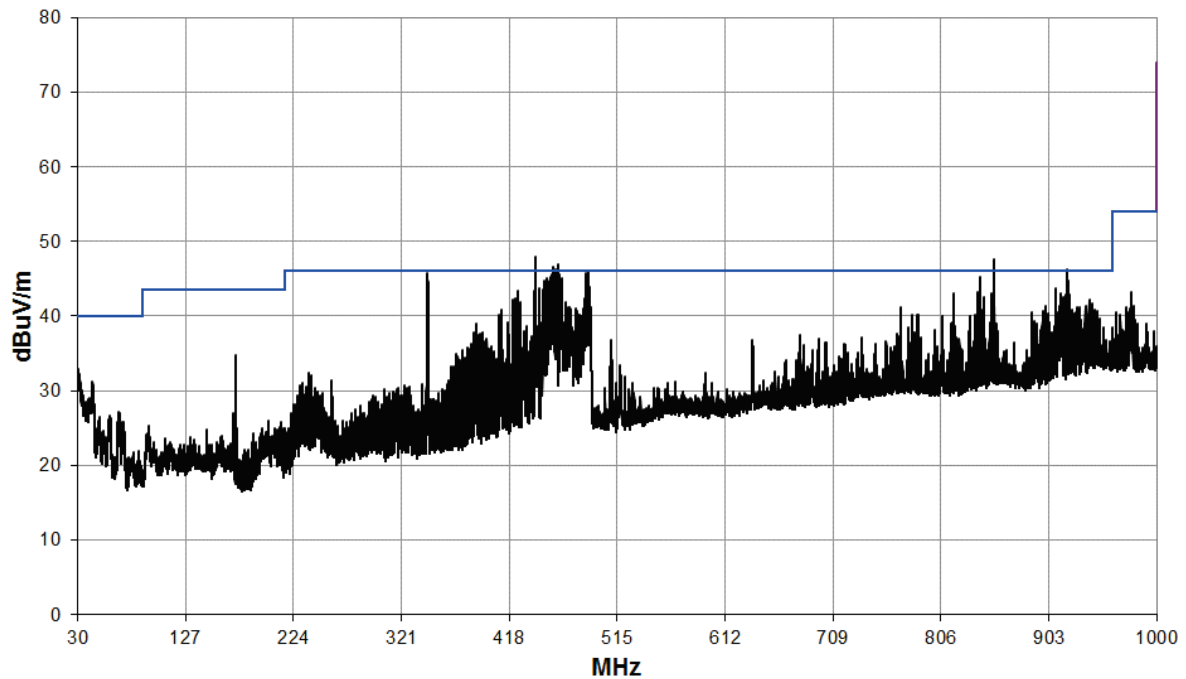
Band Edge



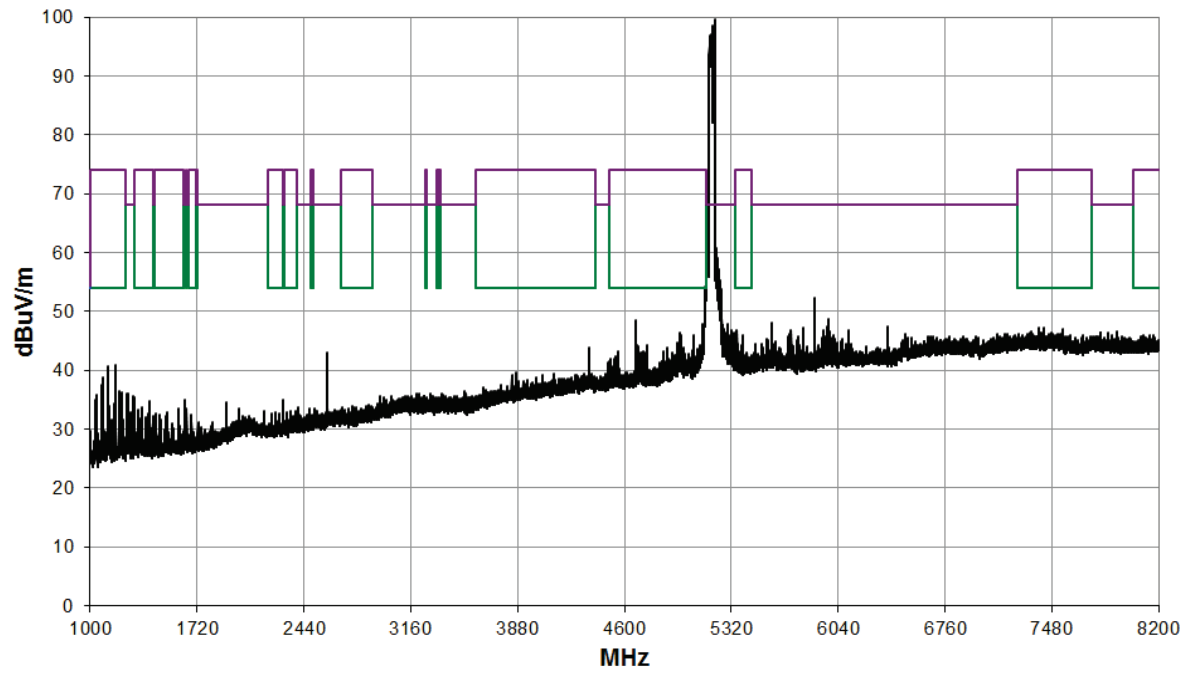
Date: 23.JUN.2020 16:48:49

SISO; Mode: 802.11n40; Channel: CH38; Frequency: 5190 MHz; Bandwidth: 40 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	4674.9	-3.7	5.3	33.1	0.0	0.0	34.7	0.0	54.3	500
PK	4675.3	18.4	5.3	33.1	0.0	0.0	56.9	0.0	699.8	5000
PK	4980.1	23.5	5.5	33.3	0.0	0.0	62.3	0.0	1303.2	5000
AV	4983.2	-0.1	5.5	33.3	0.0	0.0	38.7	0.0	86.1	500
AV	15582.8	42.7	10.9	32.1	0.0	0.0	41.8	0.0	123.0	500
PK	15583.0	56.2	10.9	32.1	34.4	0.0	55.3	-9.5	582.1	5000

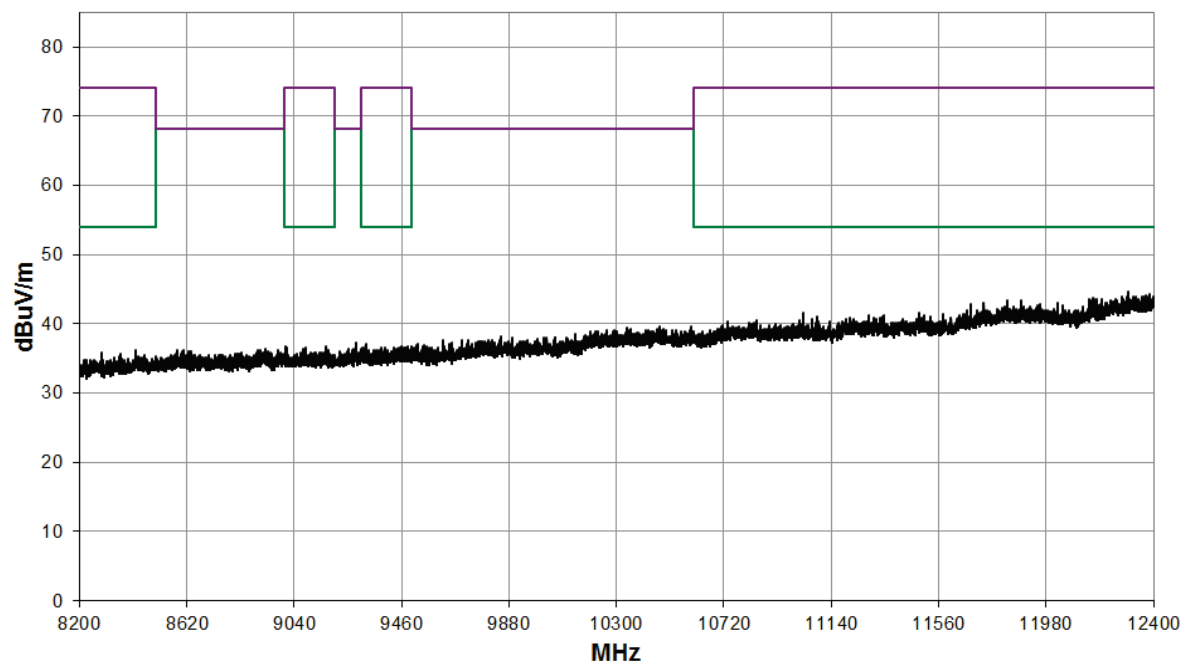
30 MHz to 1 GHz



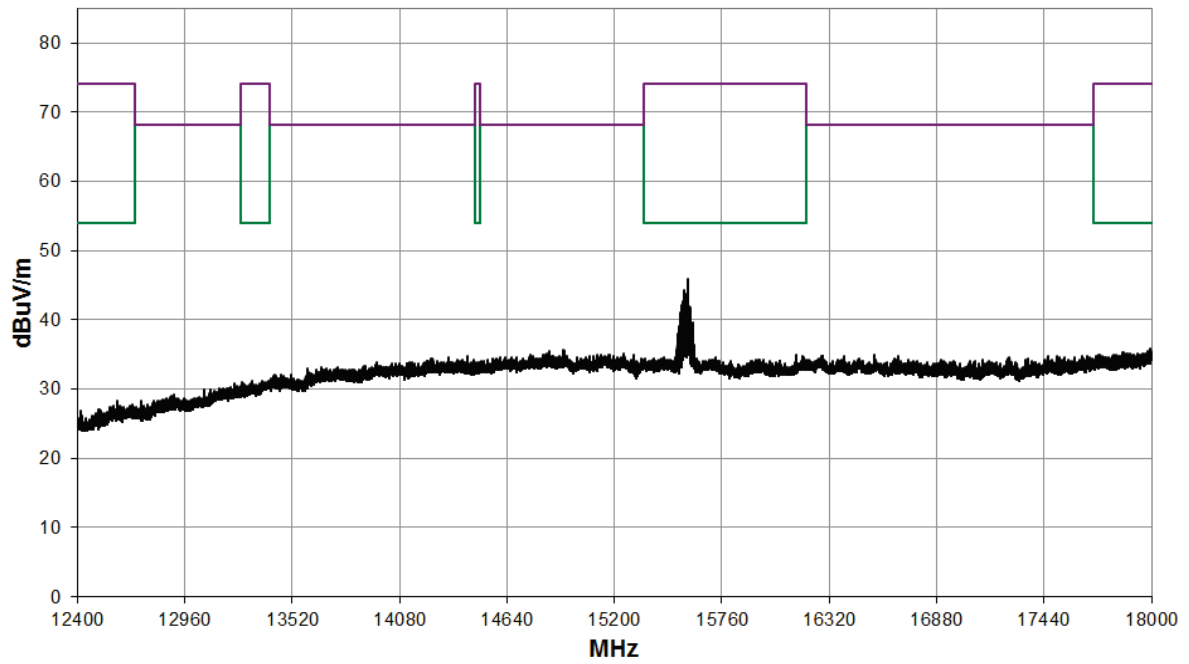
1 GHz to 8.2 GHz



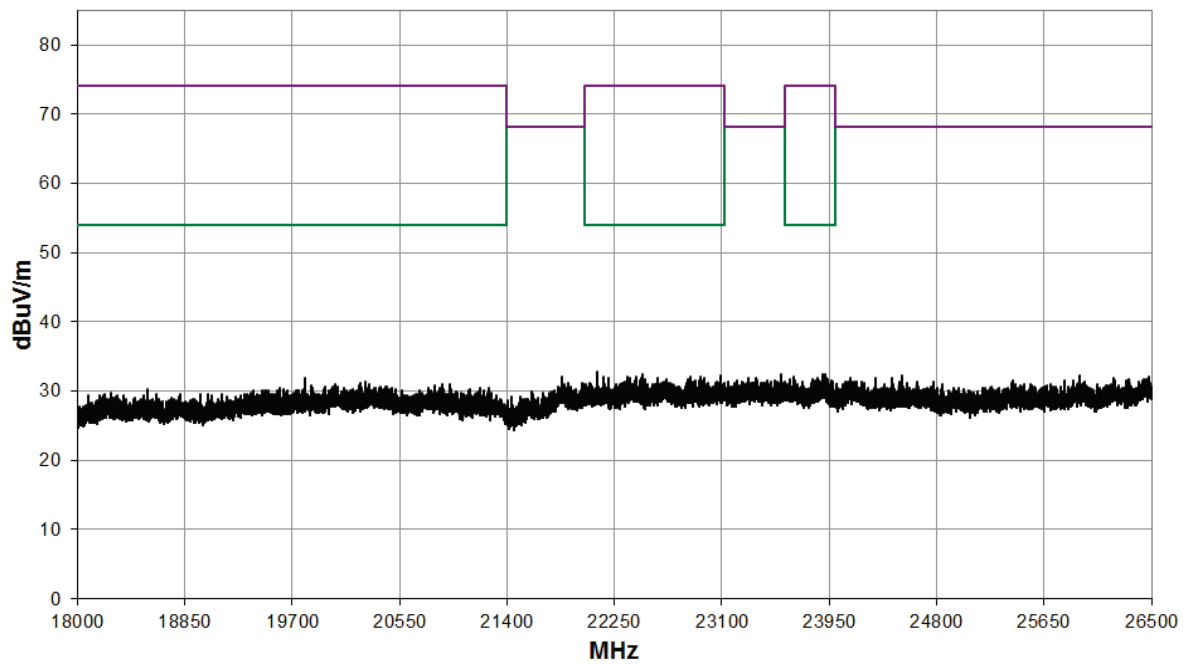
8.2 GHz to 12.4 GHz



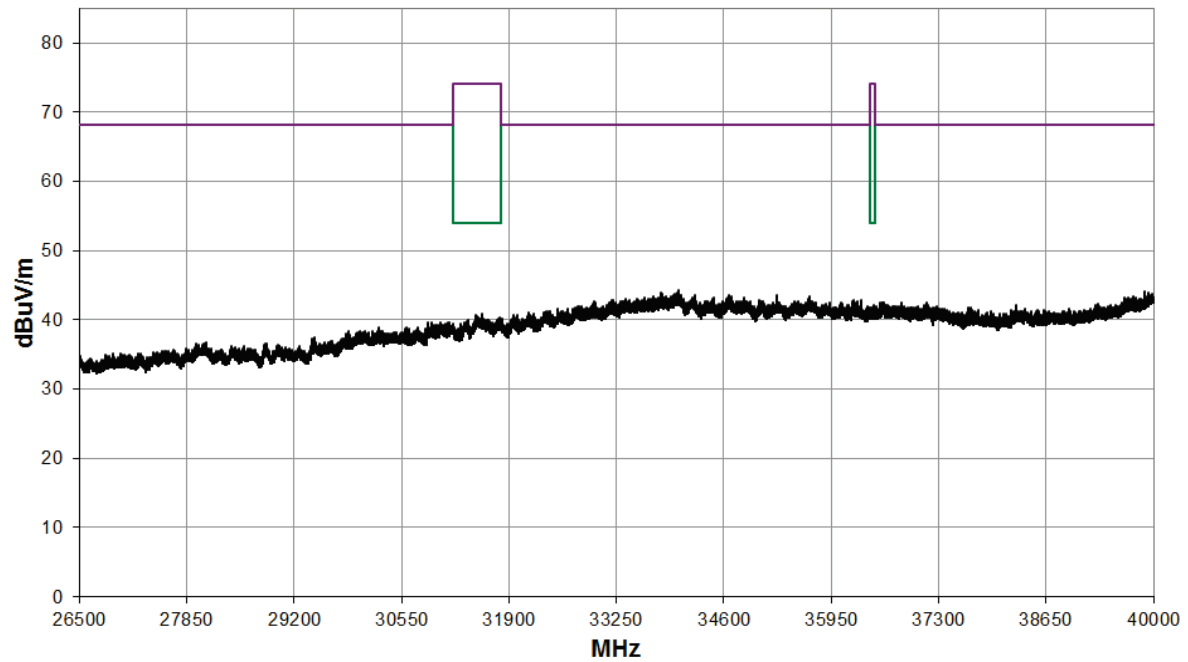
12.4 GHz to 18 GHz



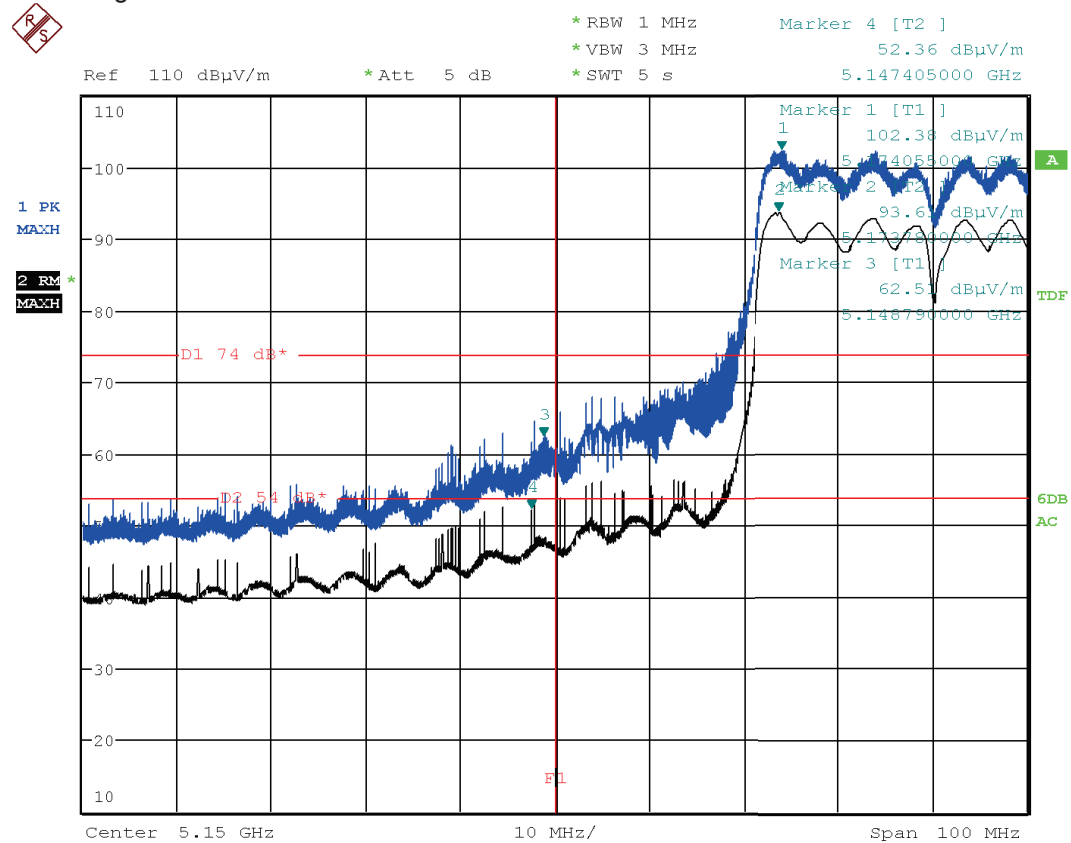
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



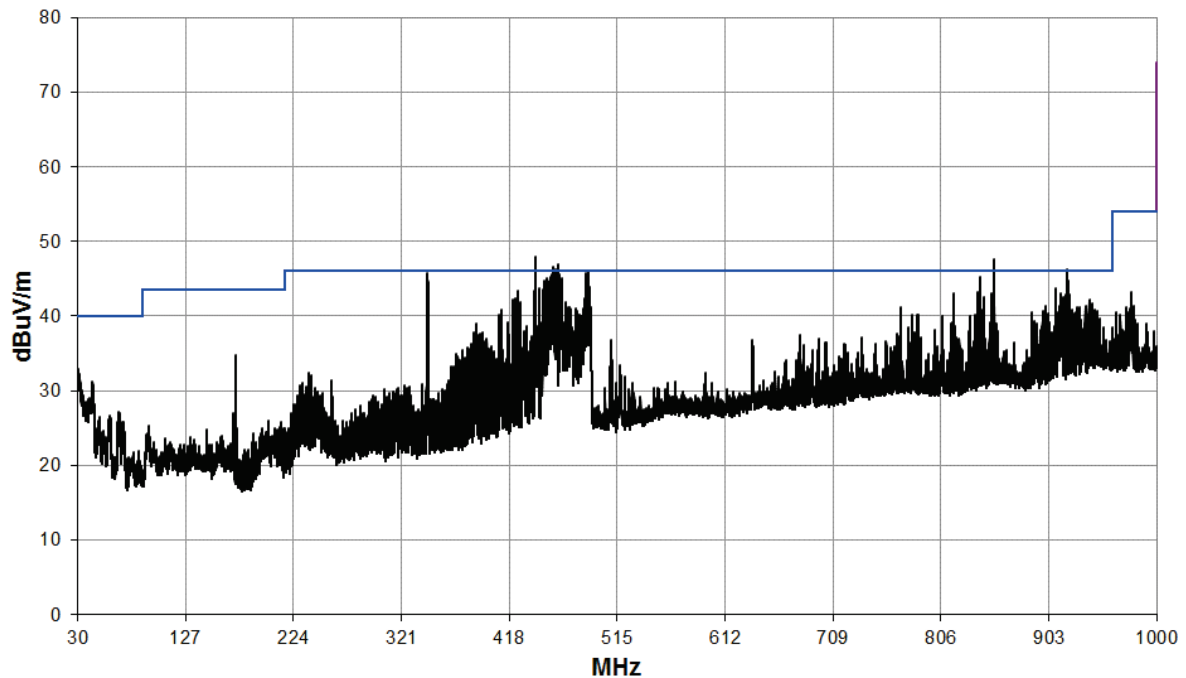
Band Edge



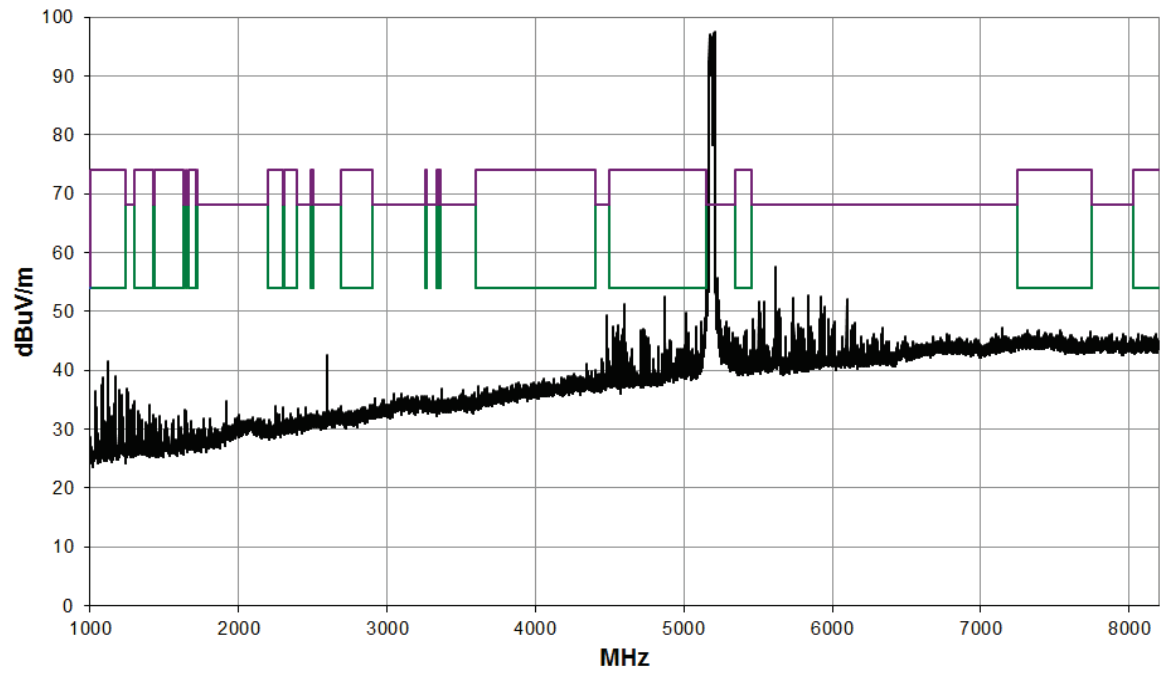
Date: 23.JUN.2020 15:47:14

SISO; Mode: 802.11n40; Channel: CH38; Frequency: 5190 MHz; Bandwidth: 40 MHz; MCS Index: 7										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	4597.5	23.6	5.3	32.9	0.0	0.0	61.8	0.0	1230.3	5000
AV	4601.5	-3.6	5.3	32.9	0.0	0.0	34.6	0.0	53.7	500
AV	4736.3	-4.0	5.3	33.3	0.0	0.0	34.6	0.0	53.7	500
PK	4738.4	19.2	5.3	33.3	0.0	0.0	57.8	0.0	776.3	5000
PK	4871.4	22.7	5.4	33.3	0.0	0.0	61.4	0.0	1174.9	5000
AV	4874.3	-3.2	5.4	33.3	0.0	0.0	35.5	0.0	59.6	500
PK	5617.0	15.0	5.9	35.0	0.0	0.0	55.9	0.0	623.7	5000
AV	15577.5	44.3	10.9	32.1	34.4	0.0	43.3	-9.5	146.2	500

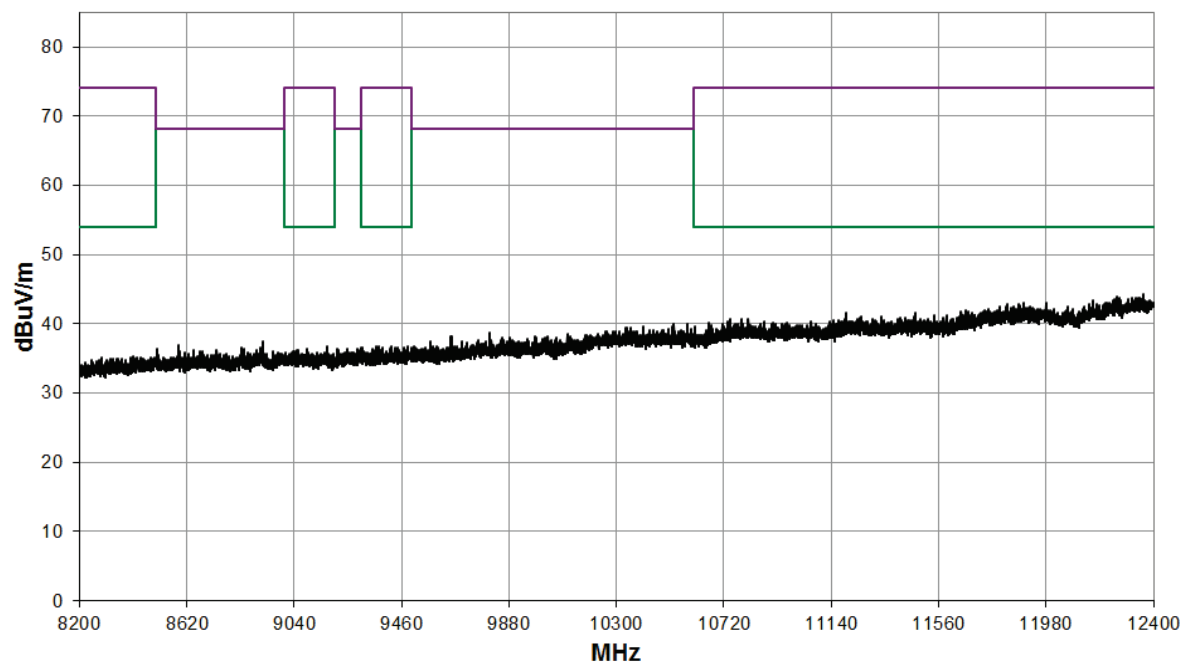
30 MHz to 1 GHz



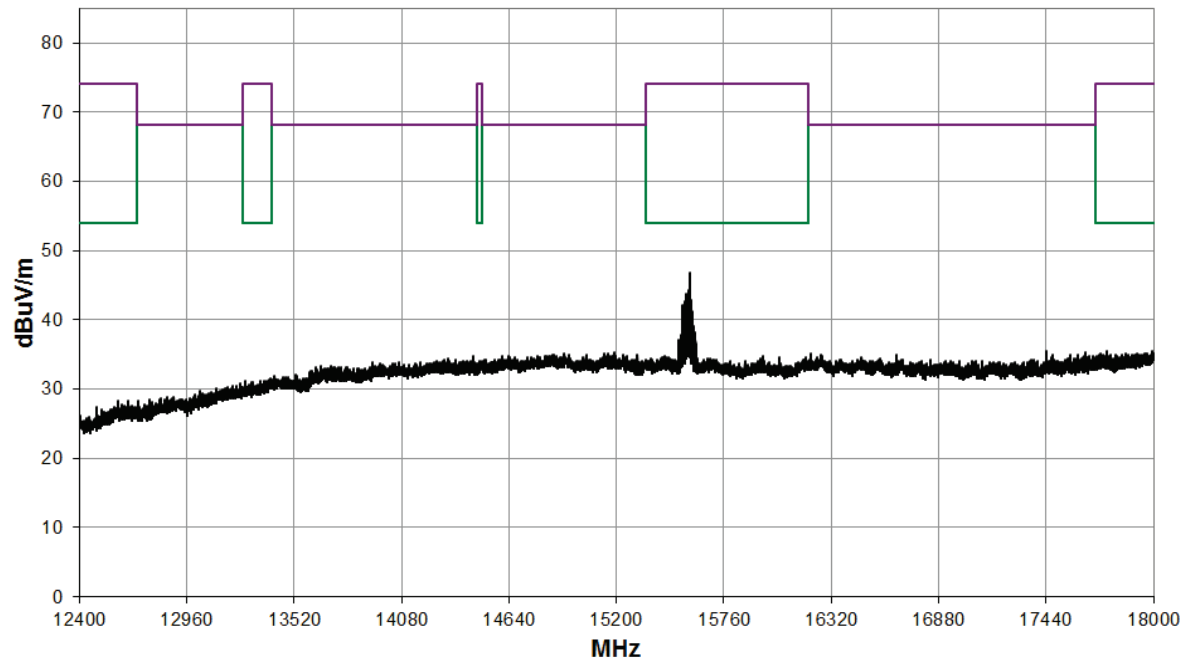
1 GHz to 8.2 GHz



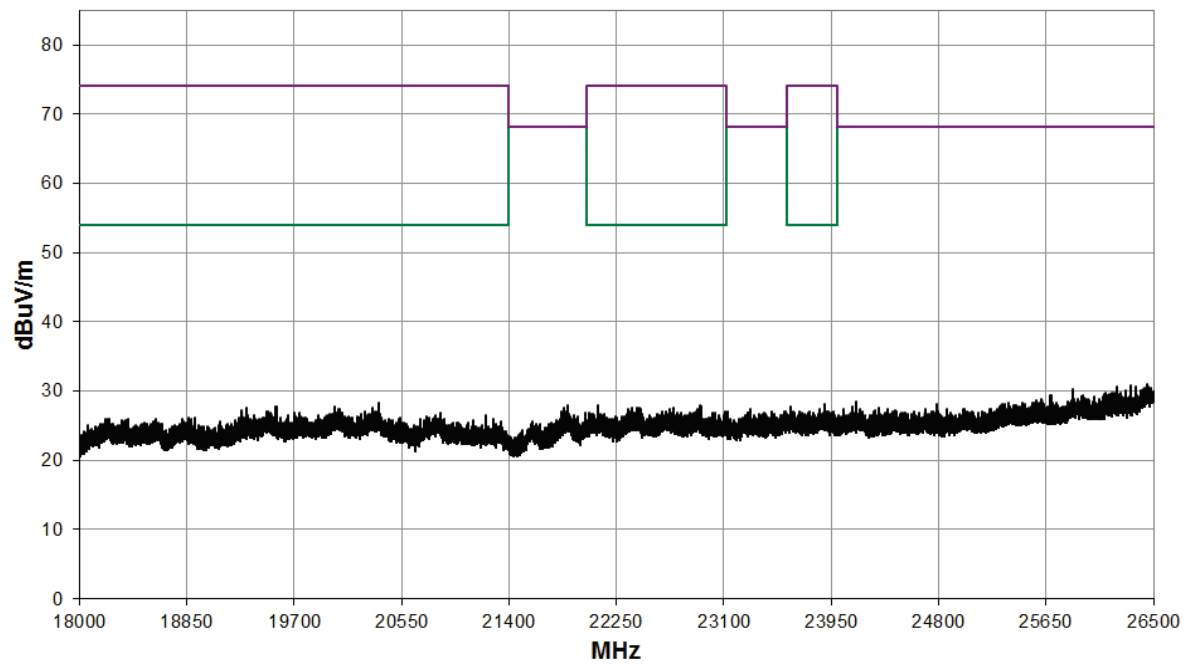
8.2 GHz to 12.4 GHz



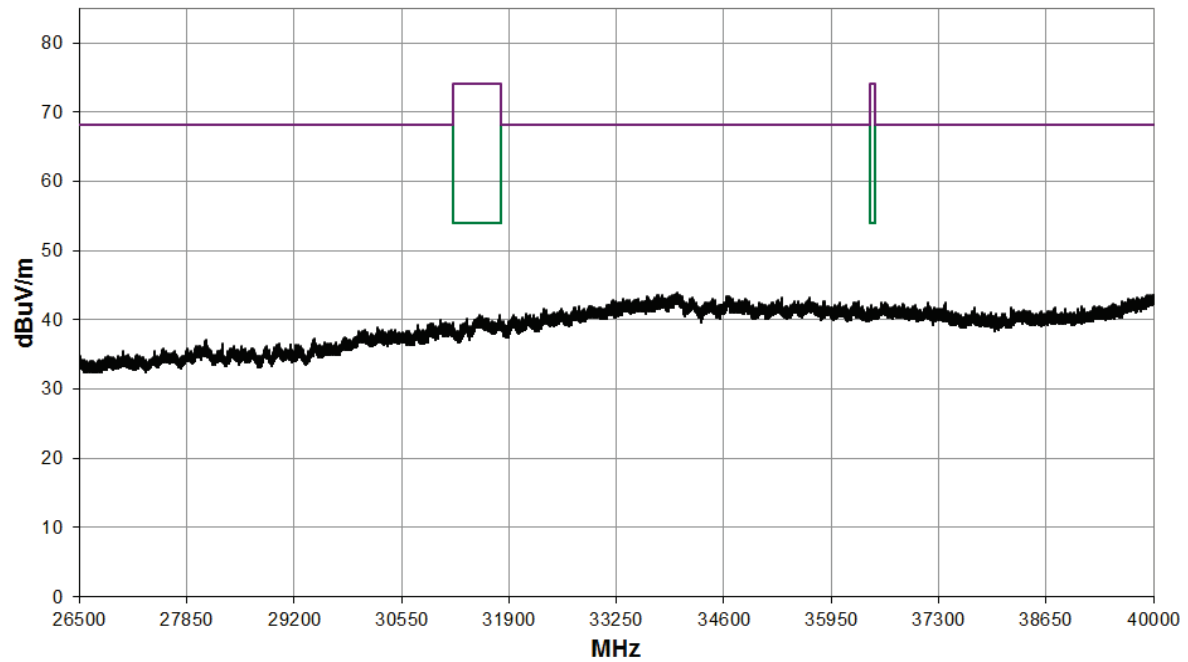
12.4 GHz to 18 GHz



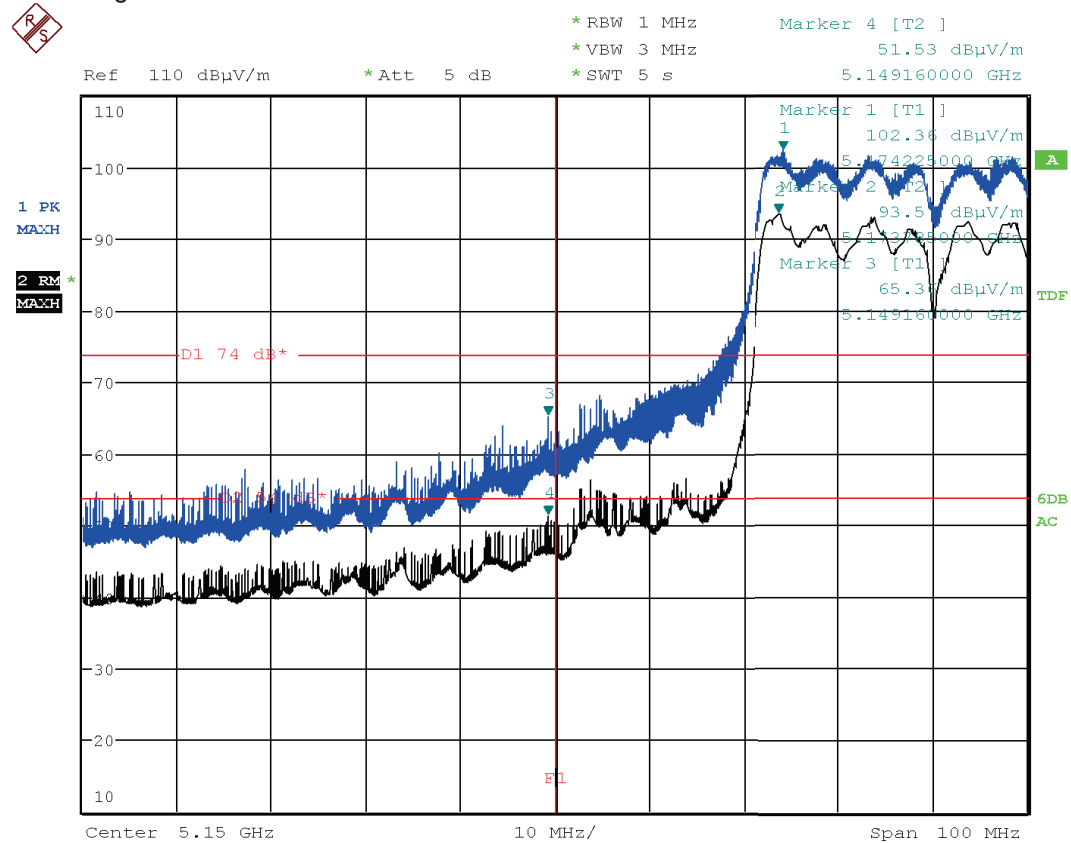
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



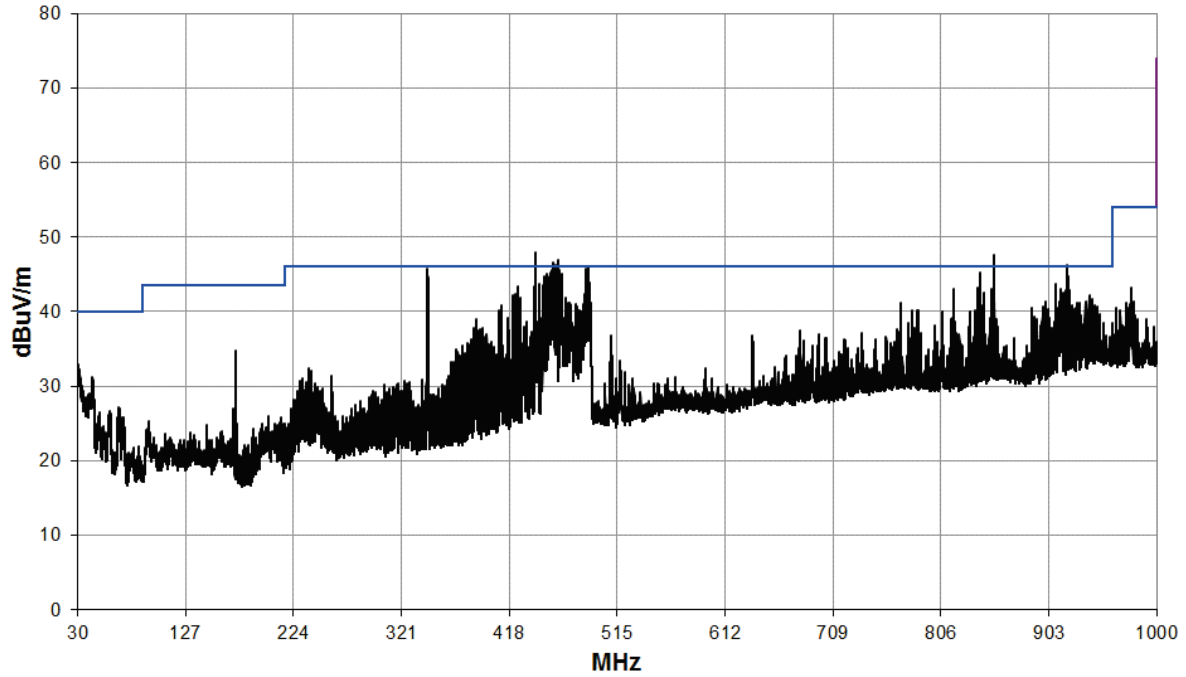
Band Edge



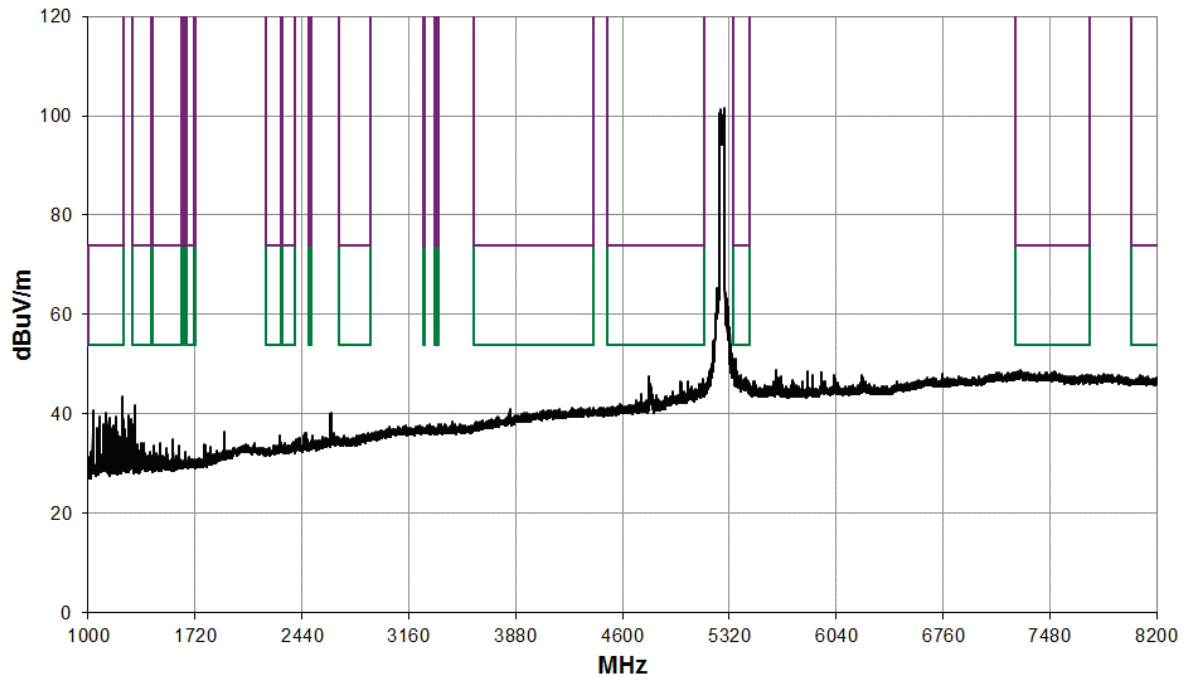
Date: 23.JUN.2020 15:49:26

SISO; Mode: 802.11n40; Channel: CH54; Frequency: 5270 MHz; Bandwidth: 40 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	6369.8	13.9	6.5	36.3	0.0	0.0	56.7	0.0	683.9	2500
AV	15811.1	37.6	11.0	32.2	34.6	0.0	36.7	-9.5	68.4	500

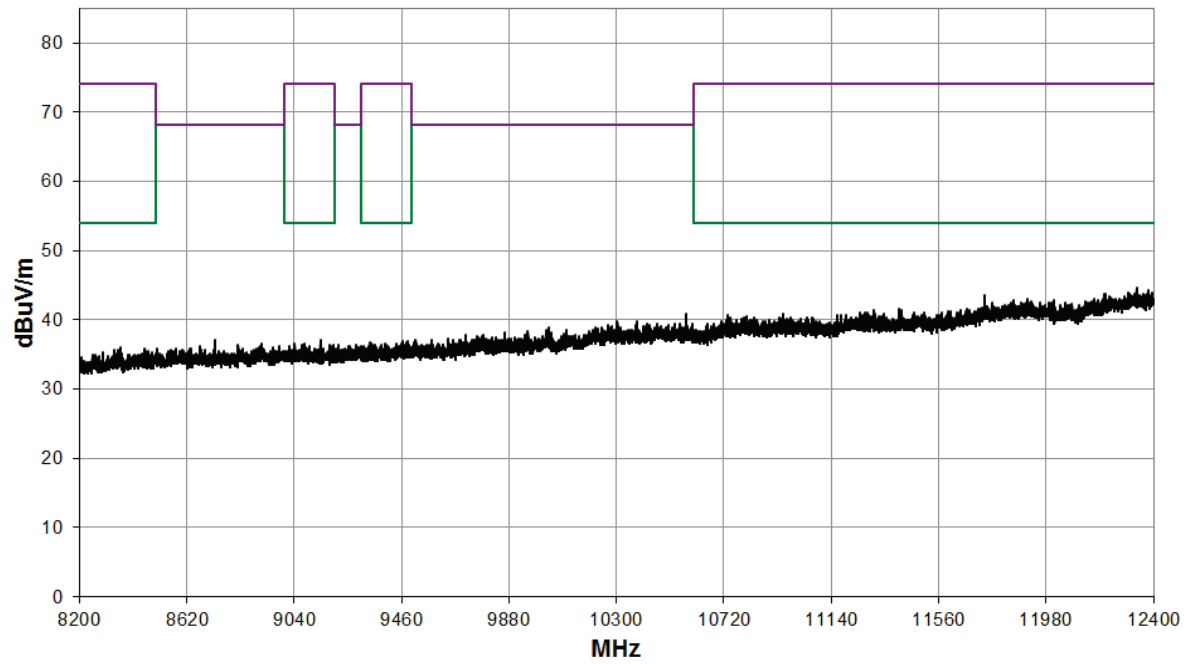
30 MHz to 1 GHz



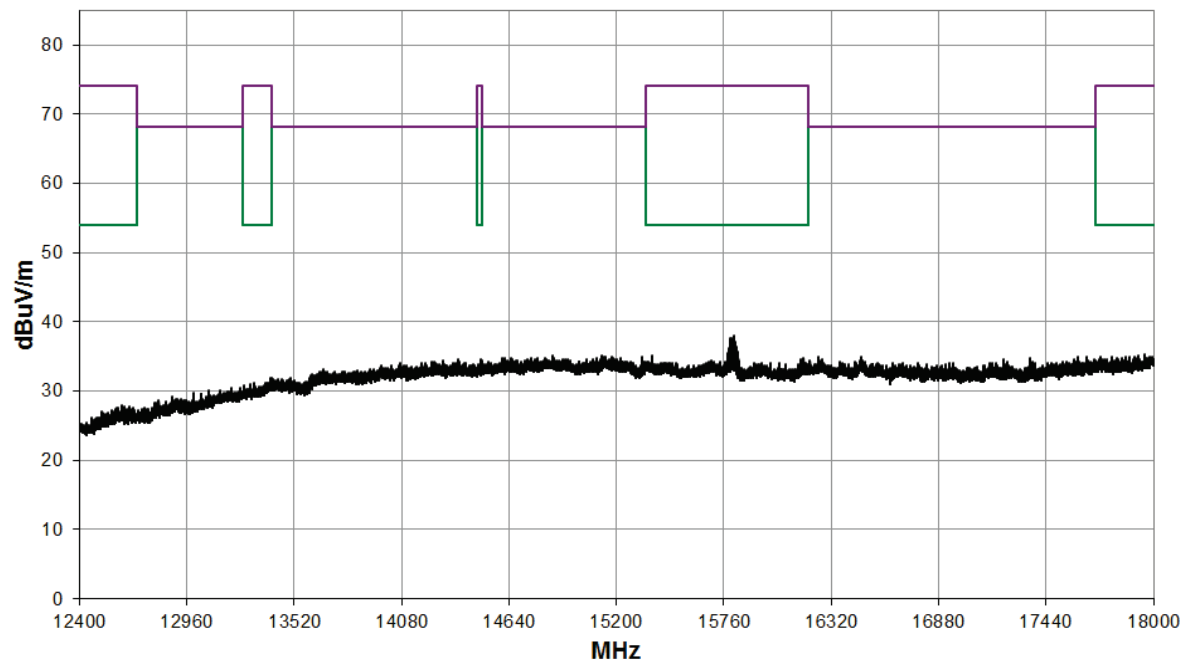
1 GHz to 8.2 GHz



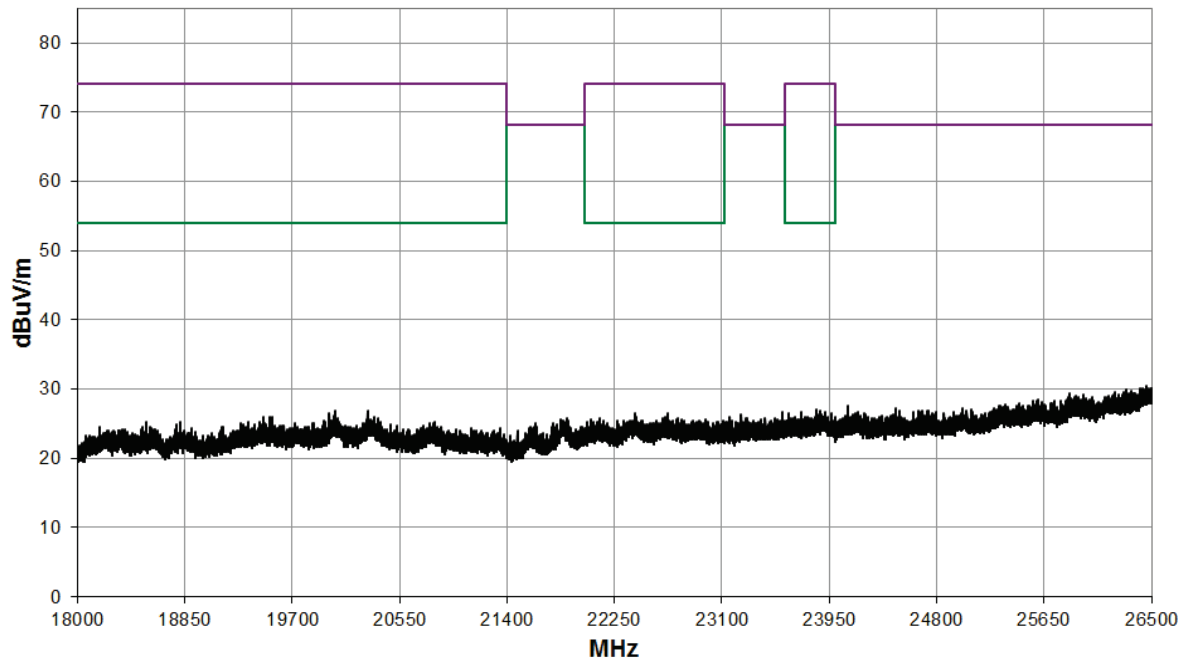
8.2 GHz to 12.4 GHz



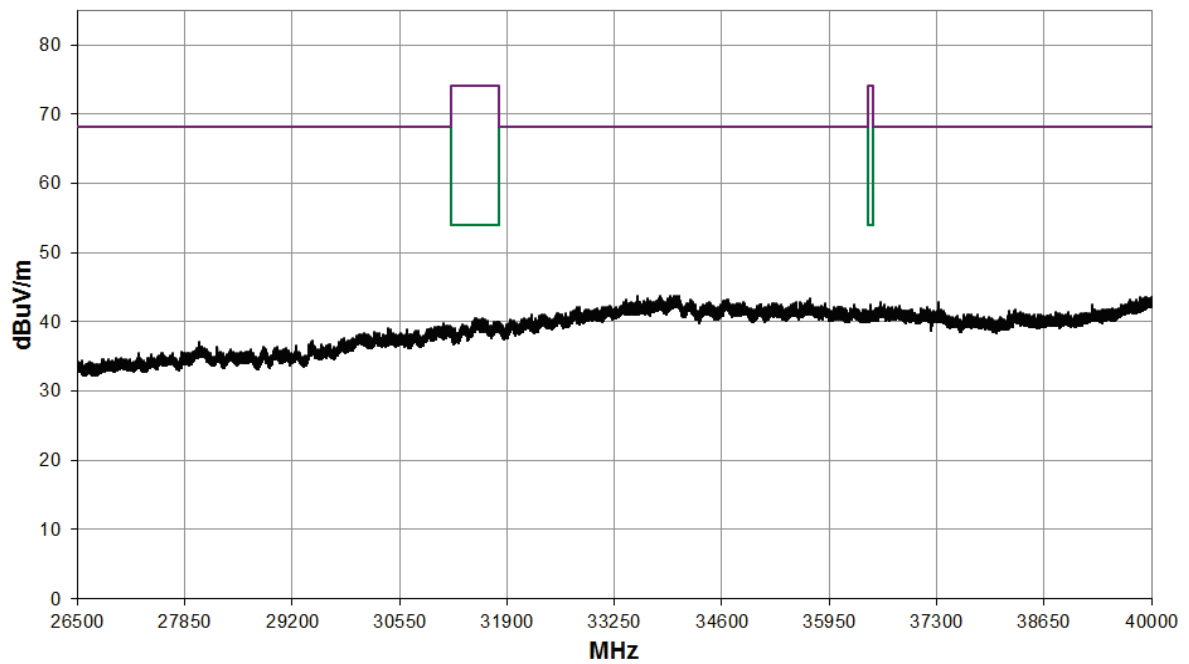
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

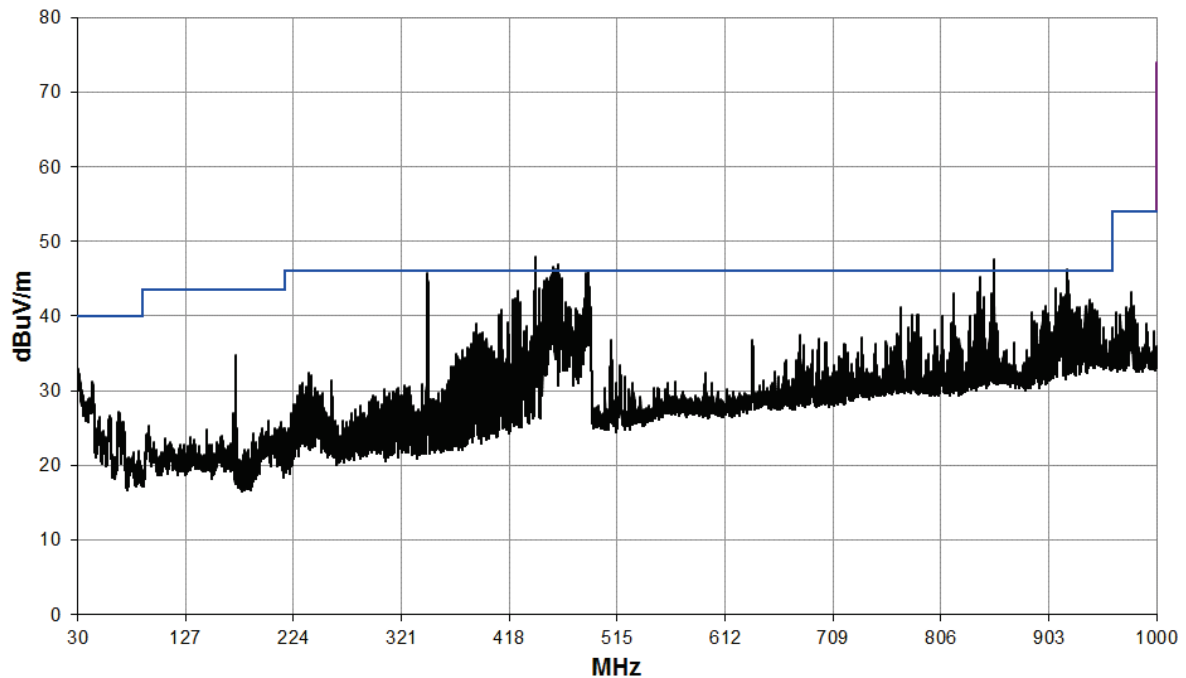


26.5 GHz to 40 GHz

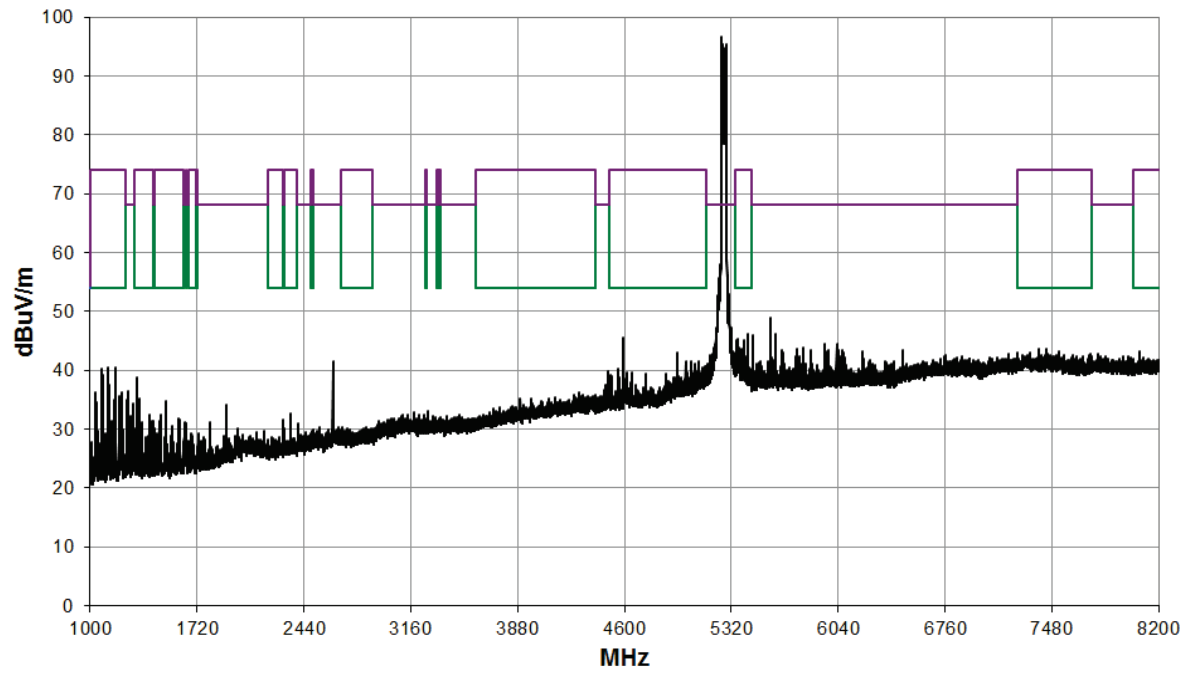


SISO; Mode: 802.11n40; Channel: CH54; Frequency: 5270 MHz; Bandwidth: 40 MHz; MCS Index: 7										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	4992.0	23.3	5.5	33.3	0.0	0.0	62.1	0.0	1273.5	5000
AV	4991.2	-3.2	5.5	33.3	0.0	0.0	35.6	0.0	60.3	500
AV	5371.2	-1.7	5.8	34.6	0.0	0.0	38.7	0.0	86.1	500
PK	5372.6	17.2	5.8	34.6	0.0	0.0	57.6	0.0	768.6	5000
PK	5858.7	19.6	6.0	35.6	0.0	0.0	61.2	0.0	1148.2	2500
PK	5947.7	17.4	6.1	36.0	0.0	0.0	59.5	0.0	944.1	2500
PK	6267.7	14.6	6.4	36.2	0.0	0.0	57.2	0.0	724.4	2500
AV	15810.0	35.9	11.0	32.2	34.6	0.0	35.0	-9.5	56.2	500

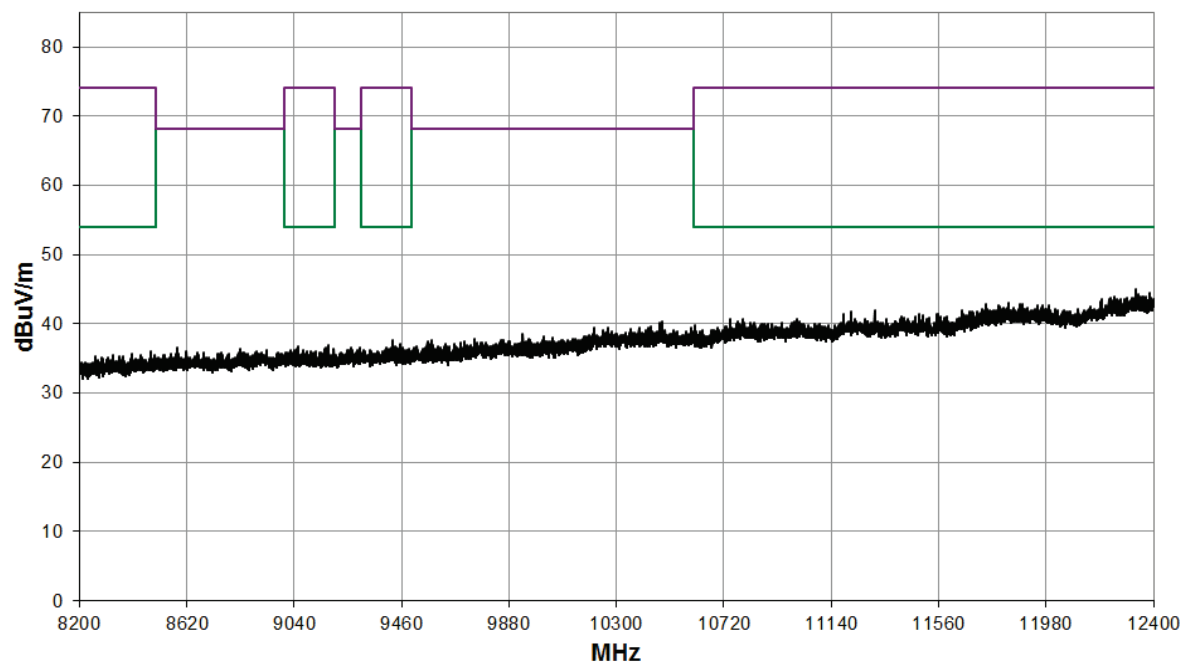
30 MHz to 1 GHz



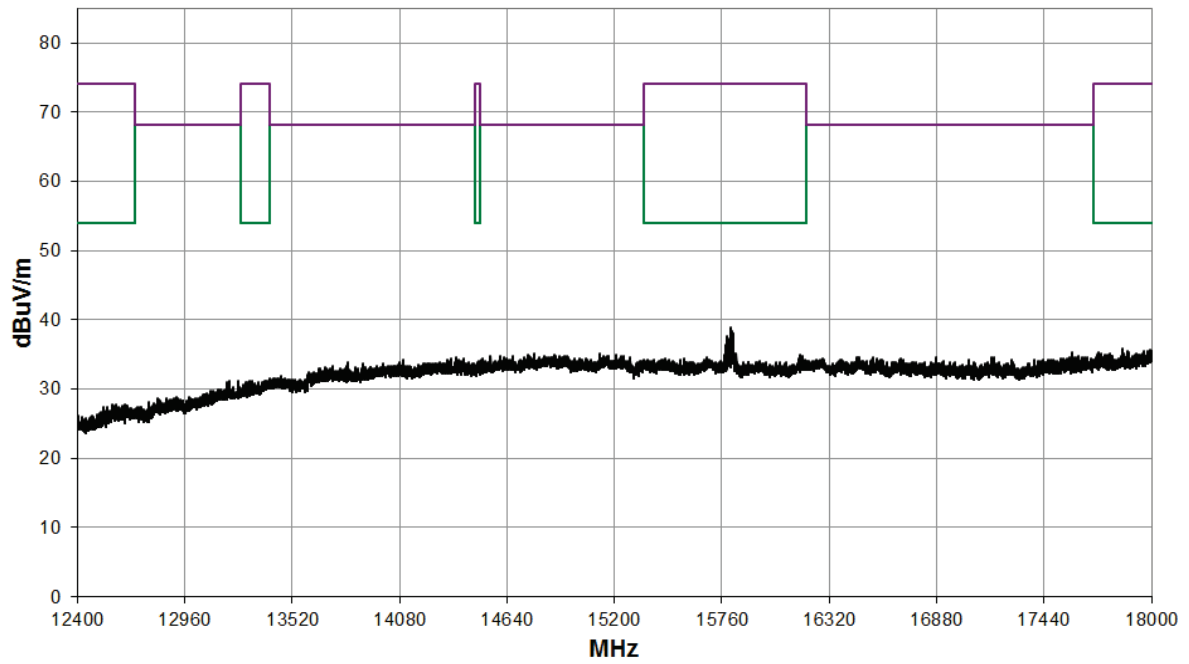
1 GHz to 8.2 GHz



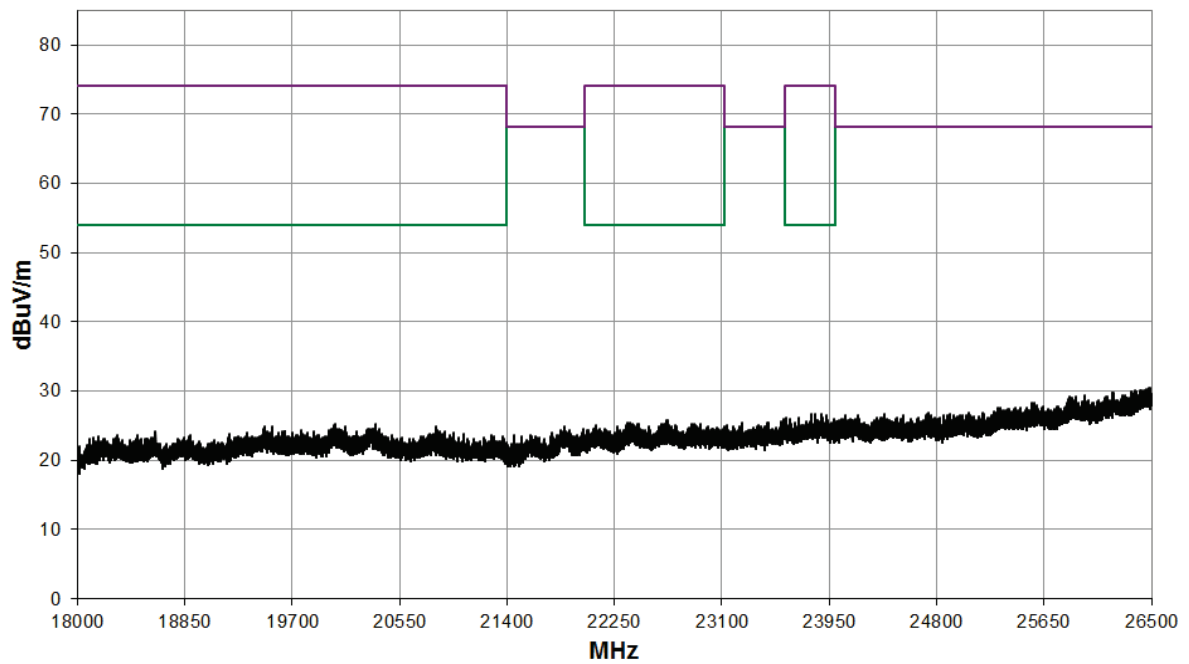
8.2 GHz to 12.4 GHz



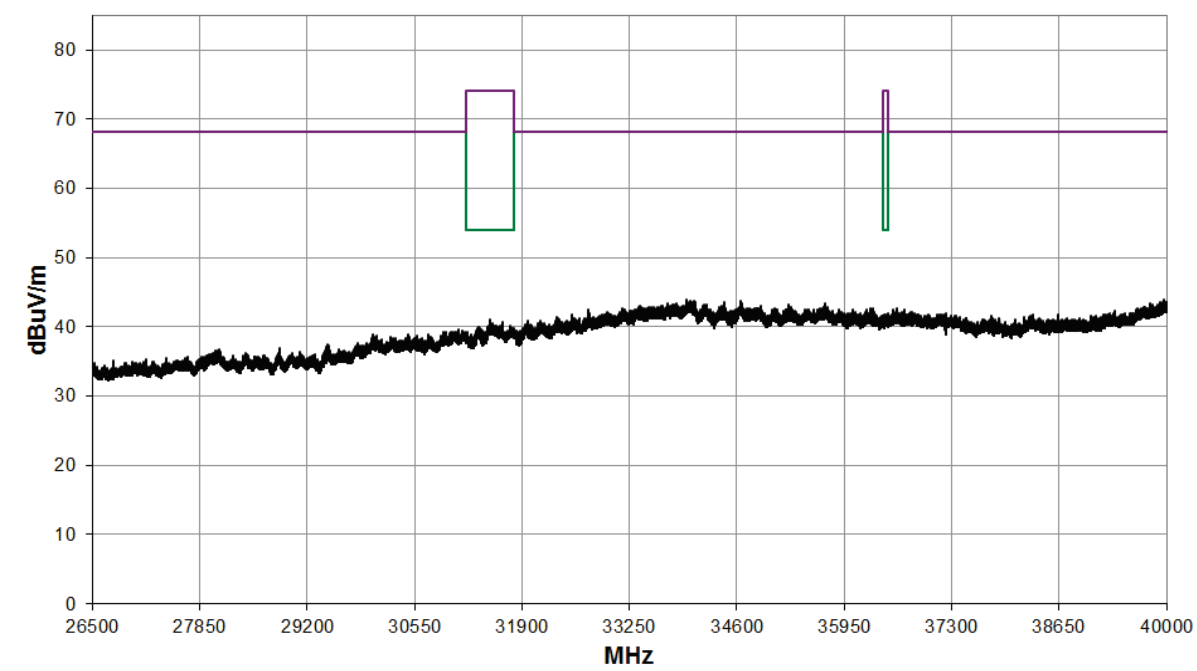
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

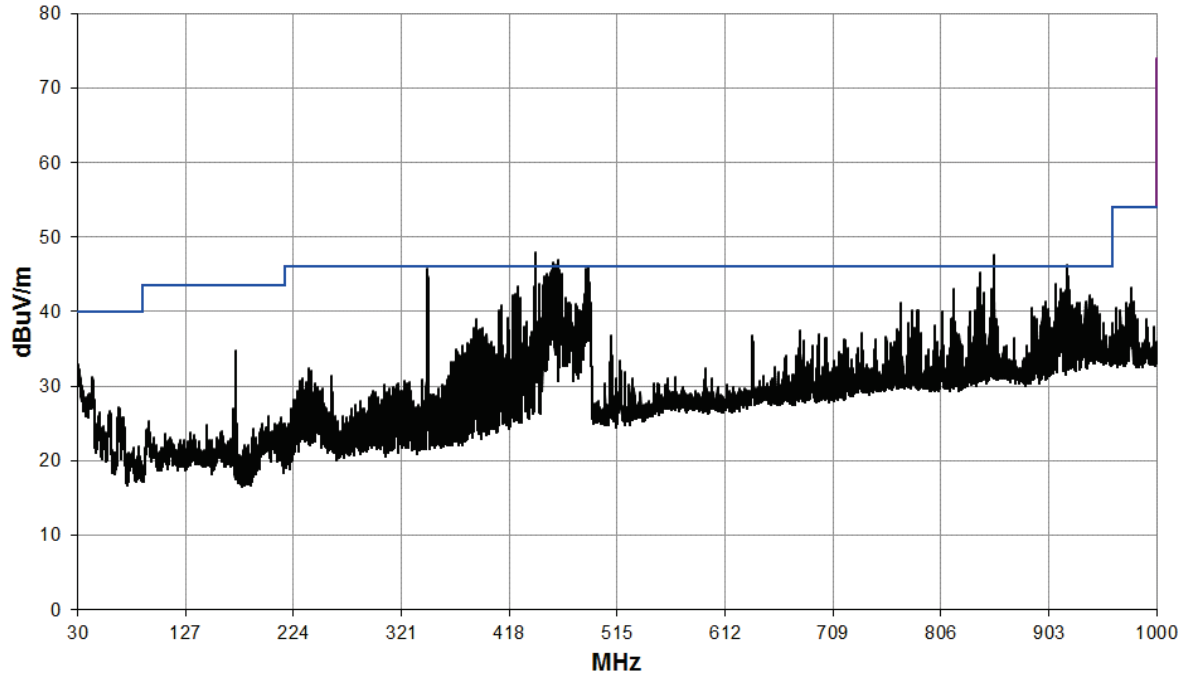


26.5 GHz to 40 GHz

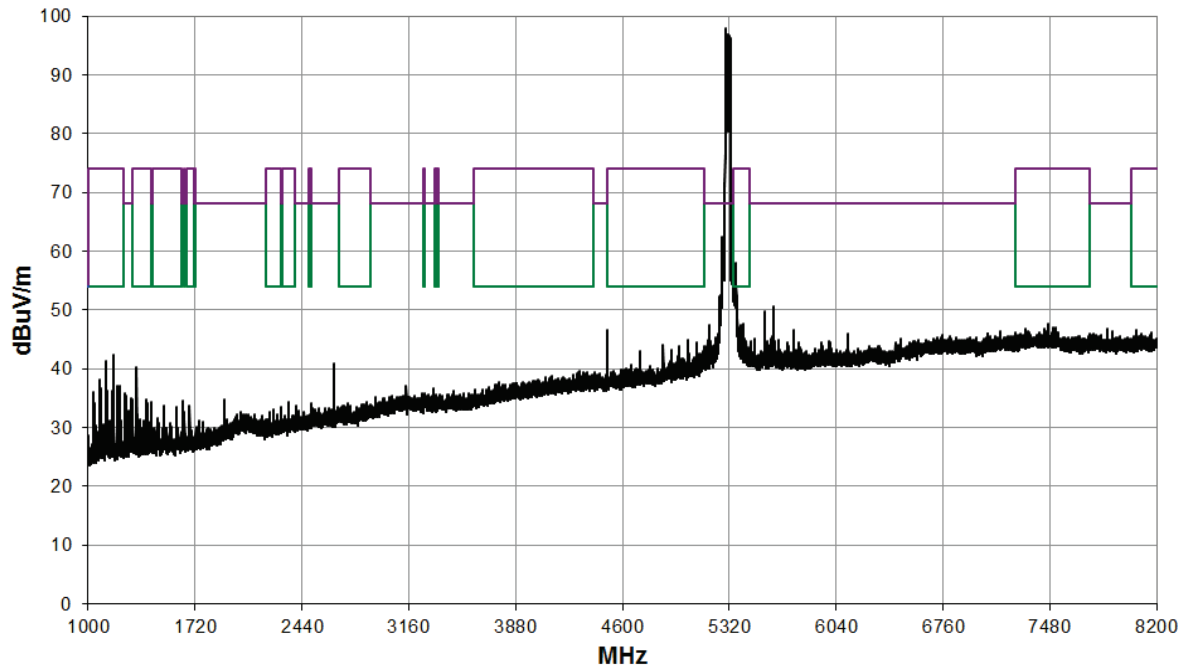


SISO; Mode: 802.11n40; Channel: CH62; Frequency: 5310 MHz; Bandwidth: 40 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	5620.0	17.6	5.9	35.0	0.0	0.0	58.5	0.0	841.4	2500
AV	15943.0	38.1	11.1	32.2	34.7	0.0	37.2	-9.5	72.4	500

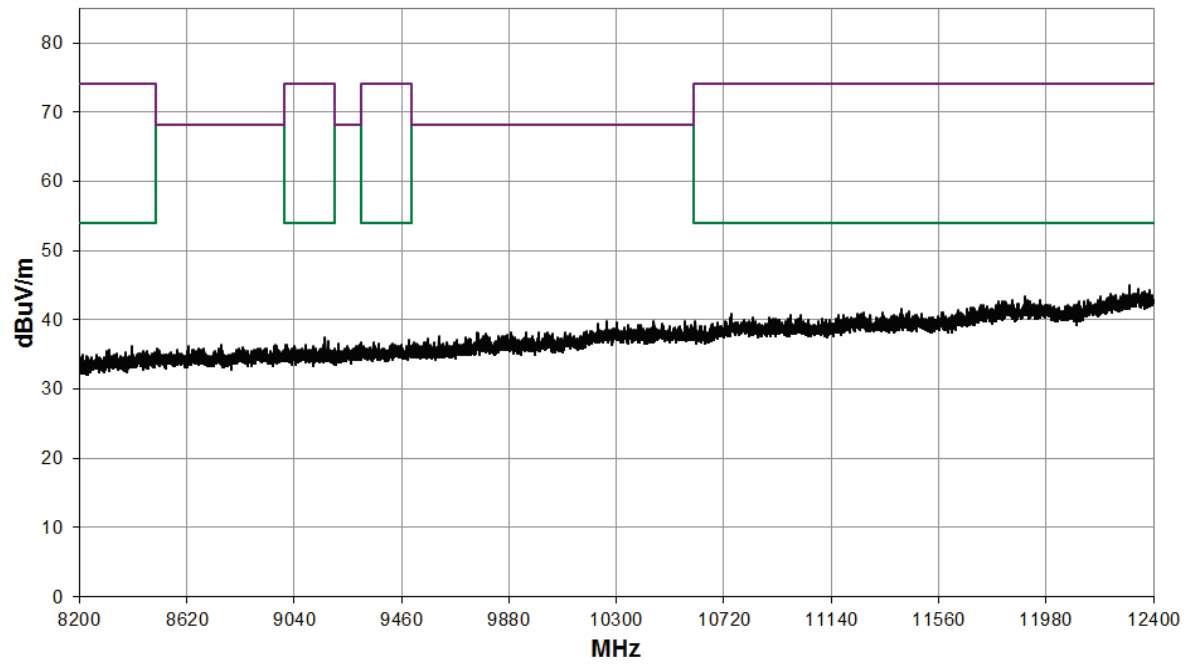
30 MHz to 1 GHz



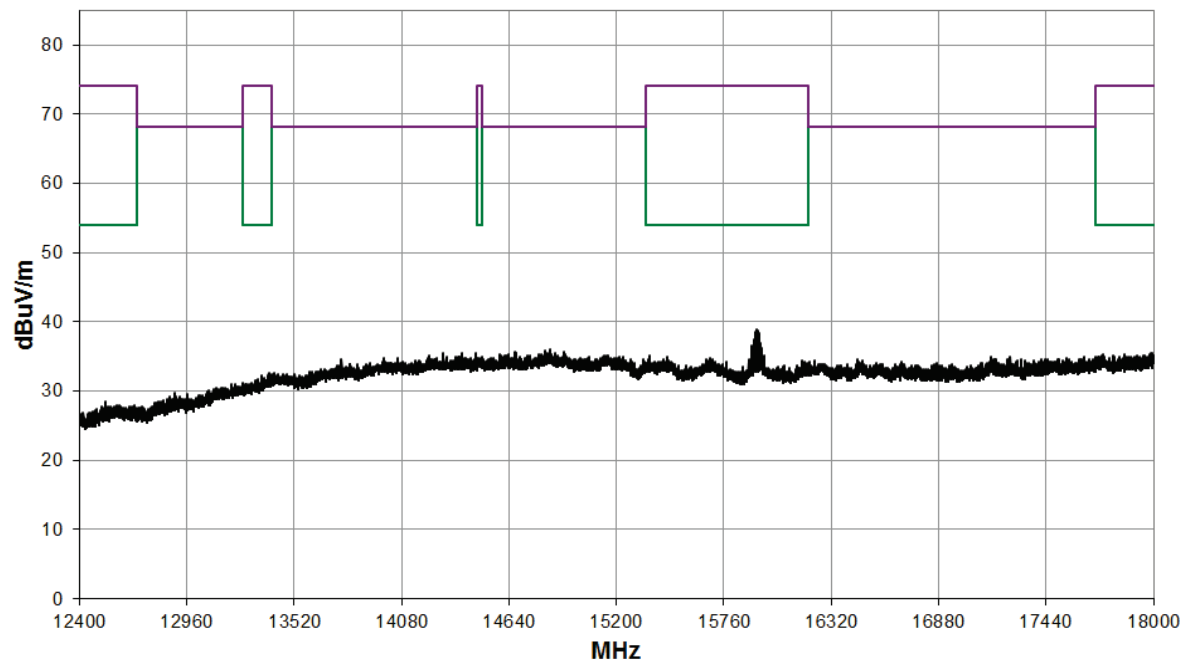
1 GHz to 8.2 GHz



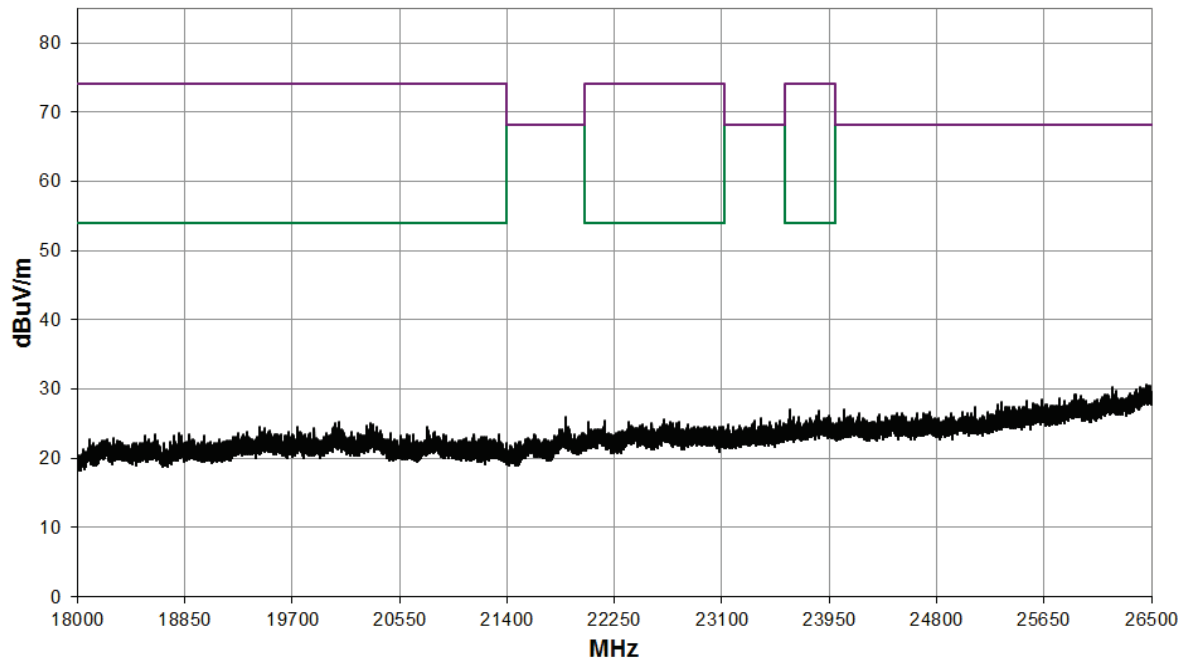
8.2 GHz to 12.4 GHz



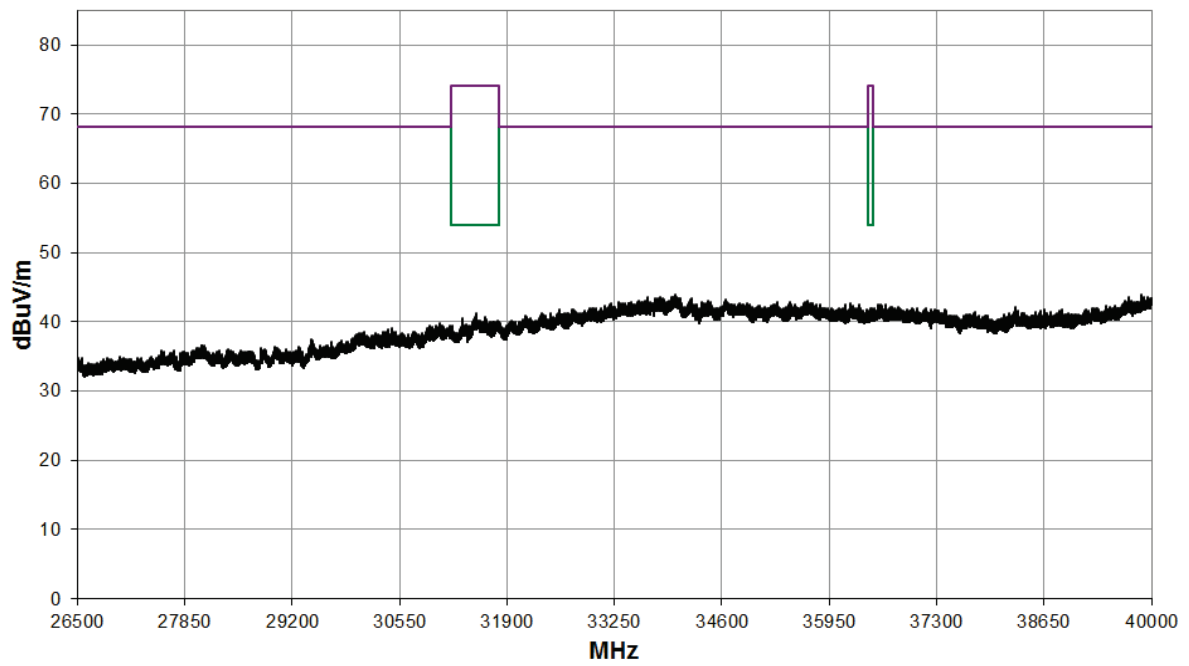
12.4 GHz to 18 GHz



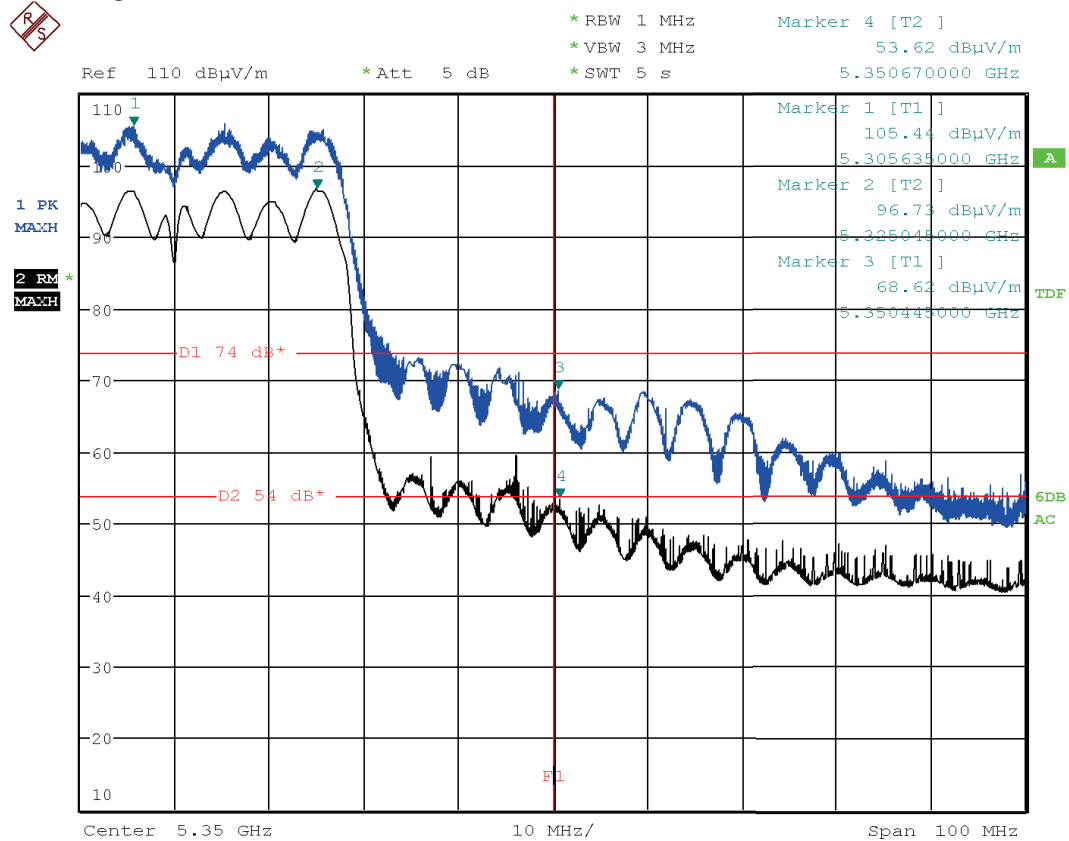
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



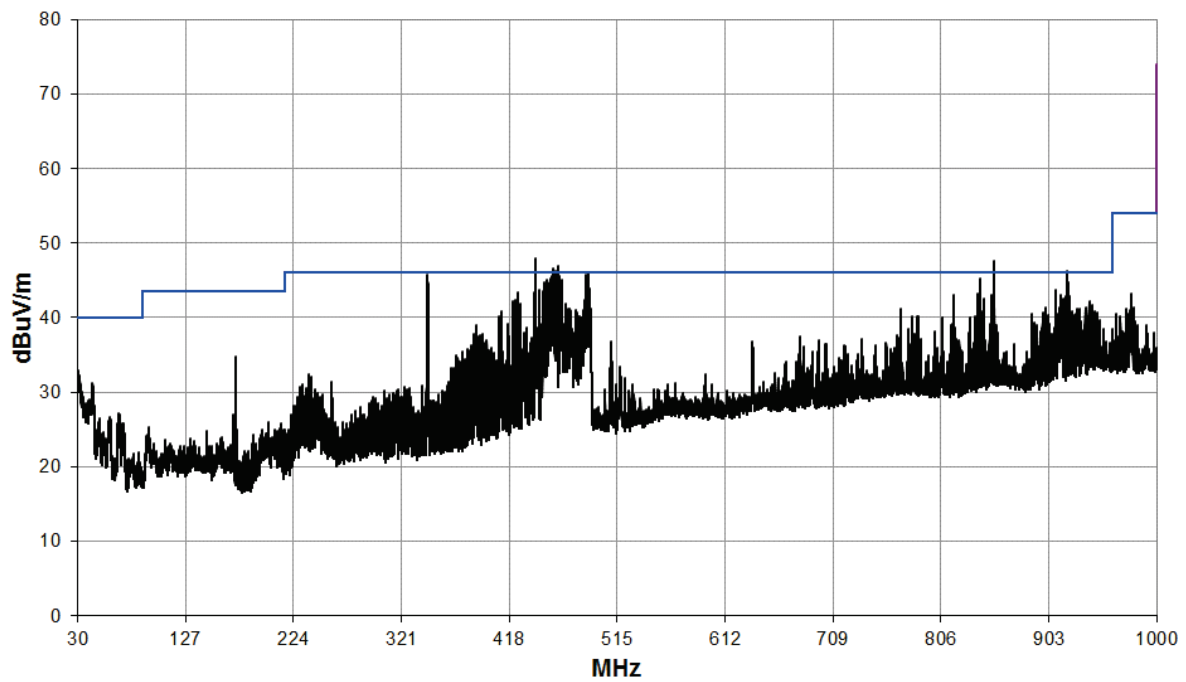
Band Edge



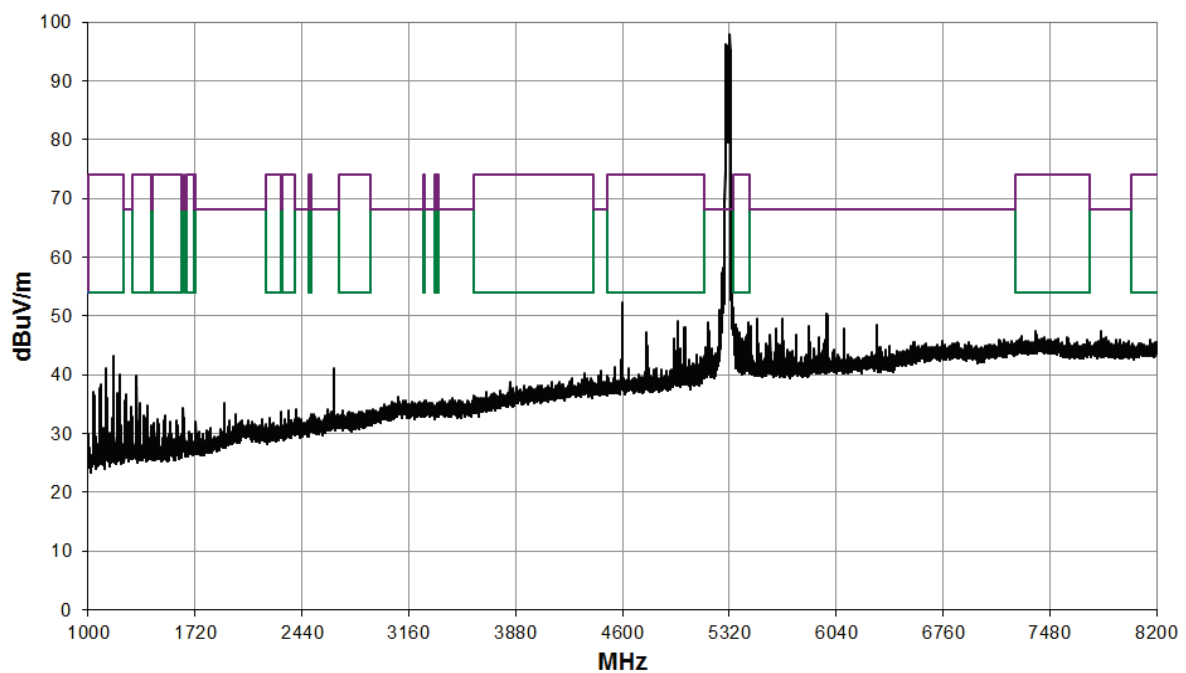
Date: 23.JUN.2020 16:46:21

SISO; Mode: 802.11n40; Channel: CH62; Frequency: 5310 MHz; Bandwidth: 40 MHz; MCS Index: 7										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	4597.6	-4.0	5.3	32.9	0.0	0.0	34.2	0.0	51.3	500
PK	4600.2	18.9	5.3	32.9	0.0	0.0	57.1	0.0	716.1	5000
AV	5015.0	-2.4	5.5	33.3	0.0	0.0	36.4	0.0	66.1	500
PK	5015.6	19.2	5.5	33.3	0.0	0.0	58.0	0.0	794.3	2500
AV	15943.7	37.3	11.1	32.2	34.7	0.0	36.4	-9.5	66.1	500

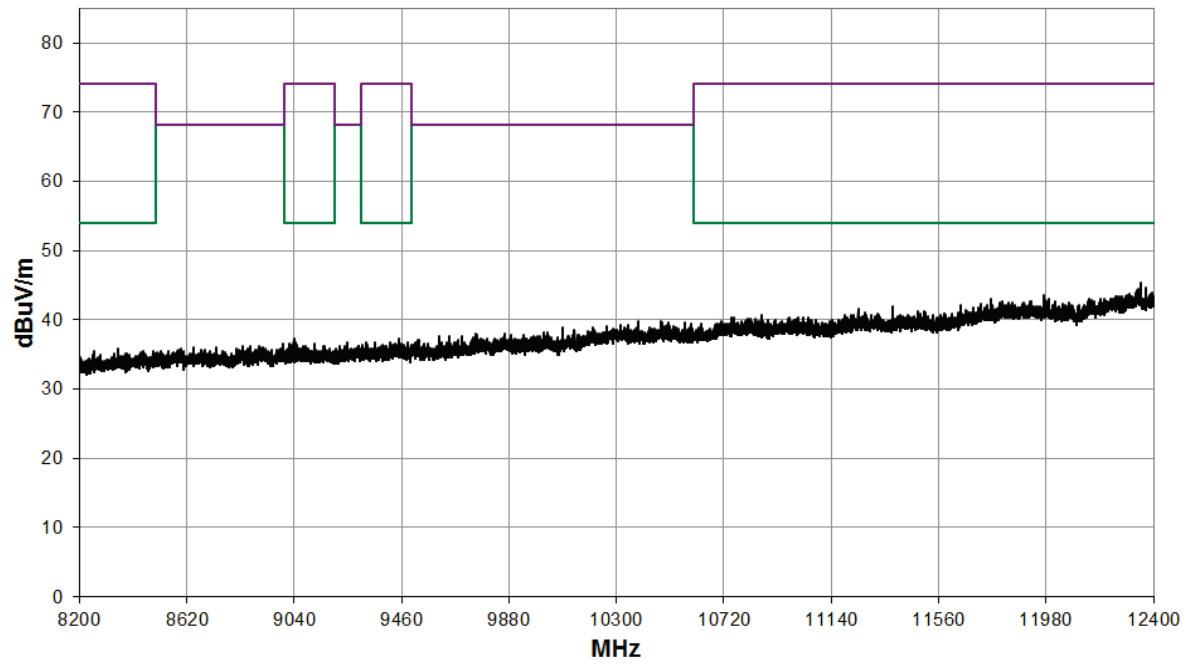
30 MHz to 1 GHz



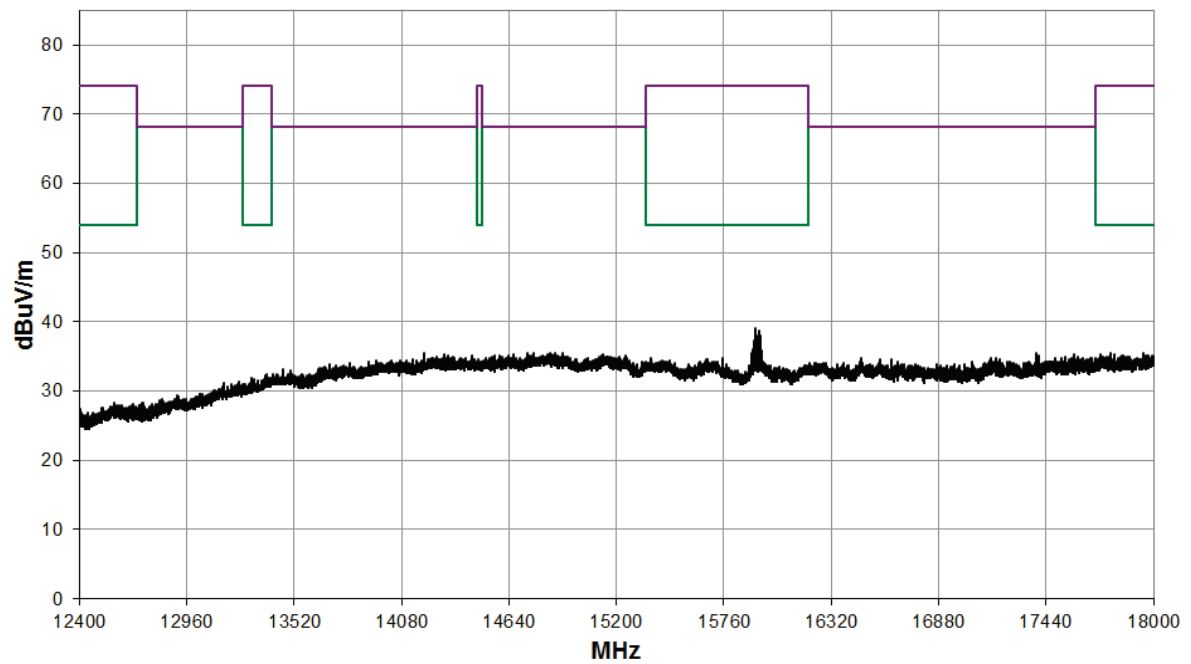
1 GHz to 8.2 GHz



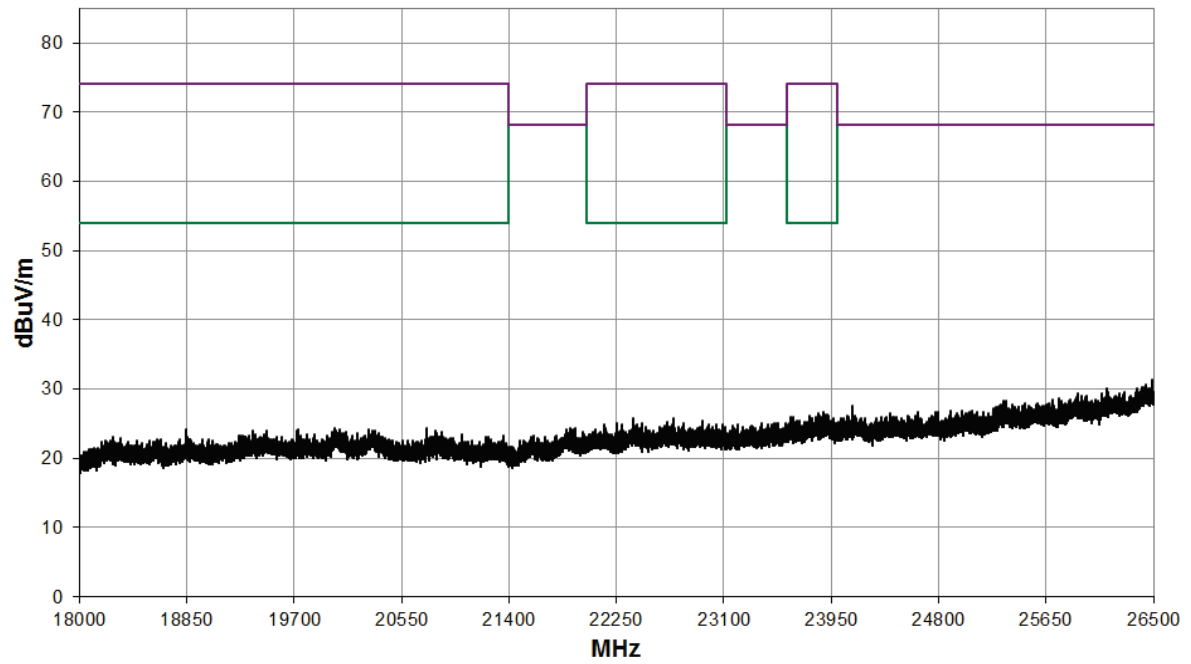
8.2 GHz to 12.4 GHz



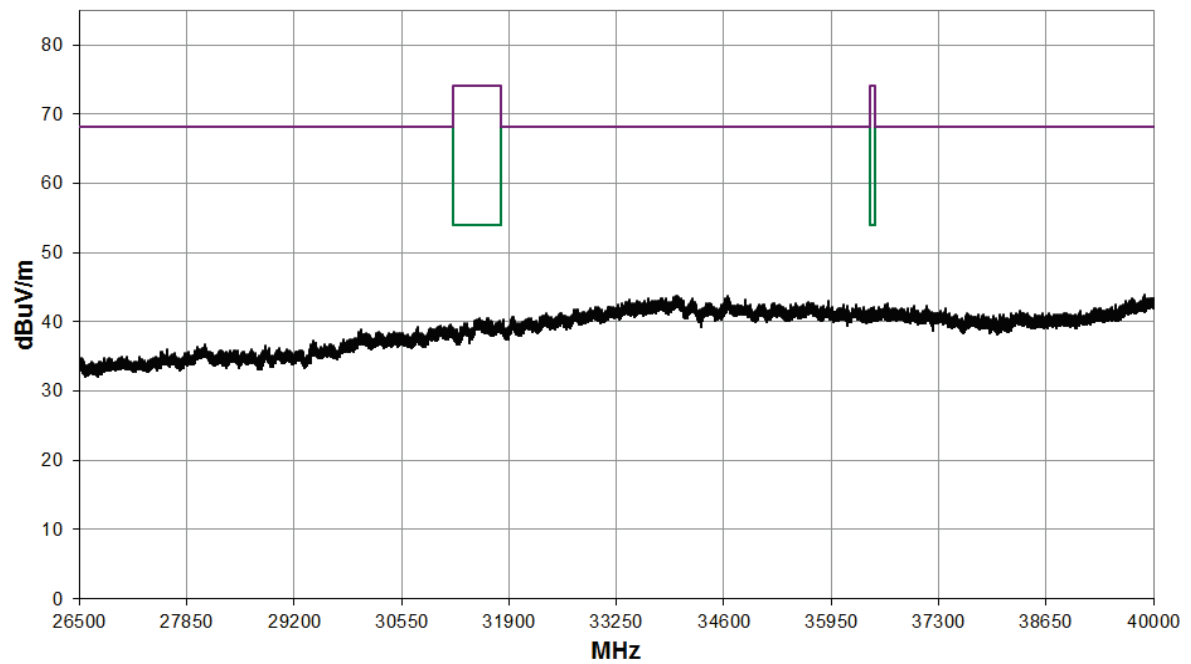
12.4 GHz to 18 GHz



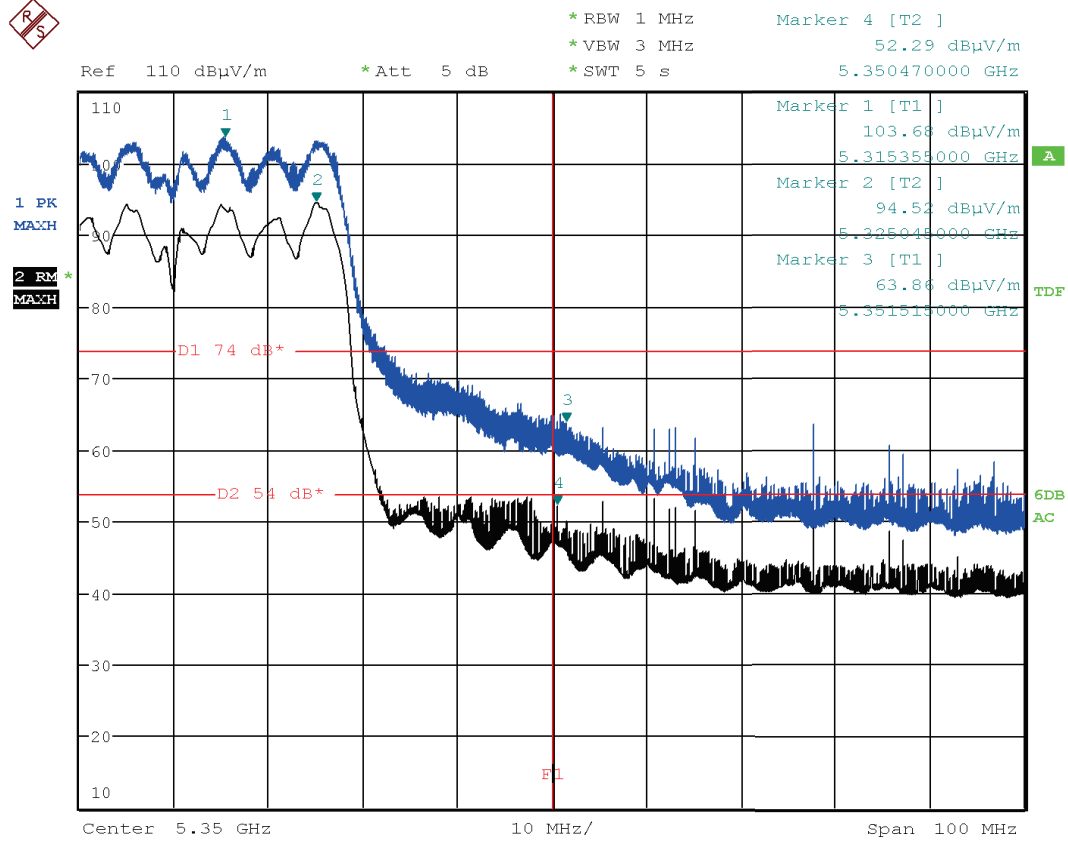
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



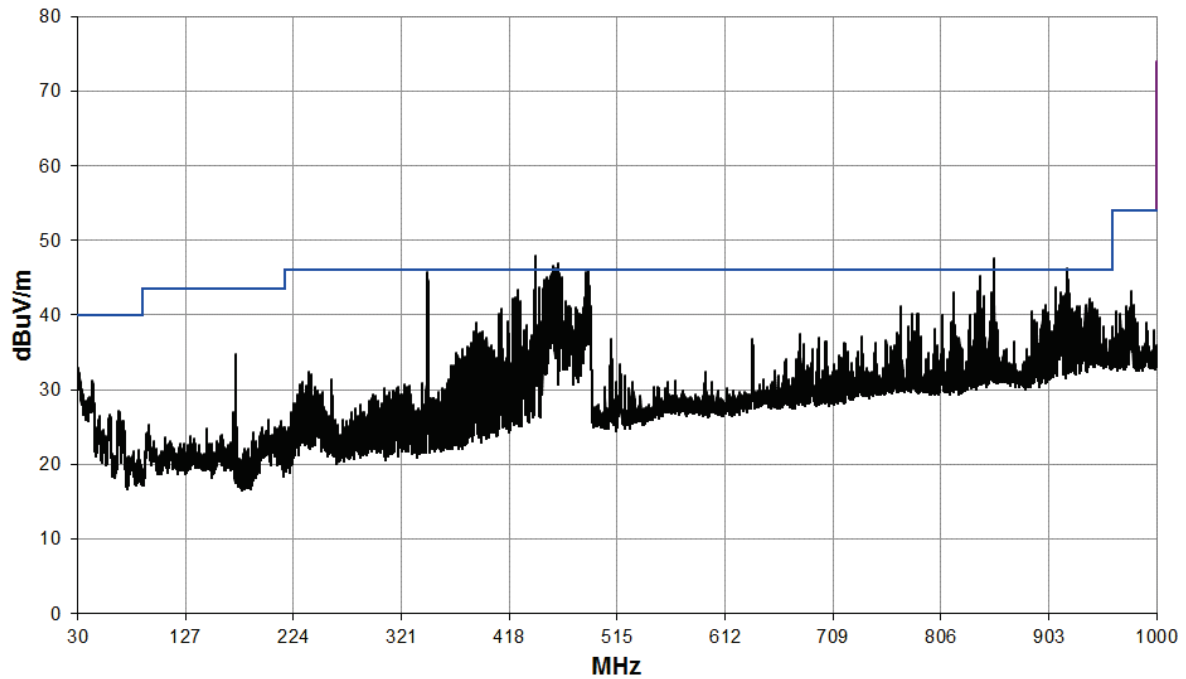
Band Edge



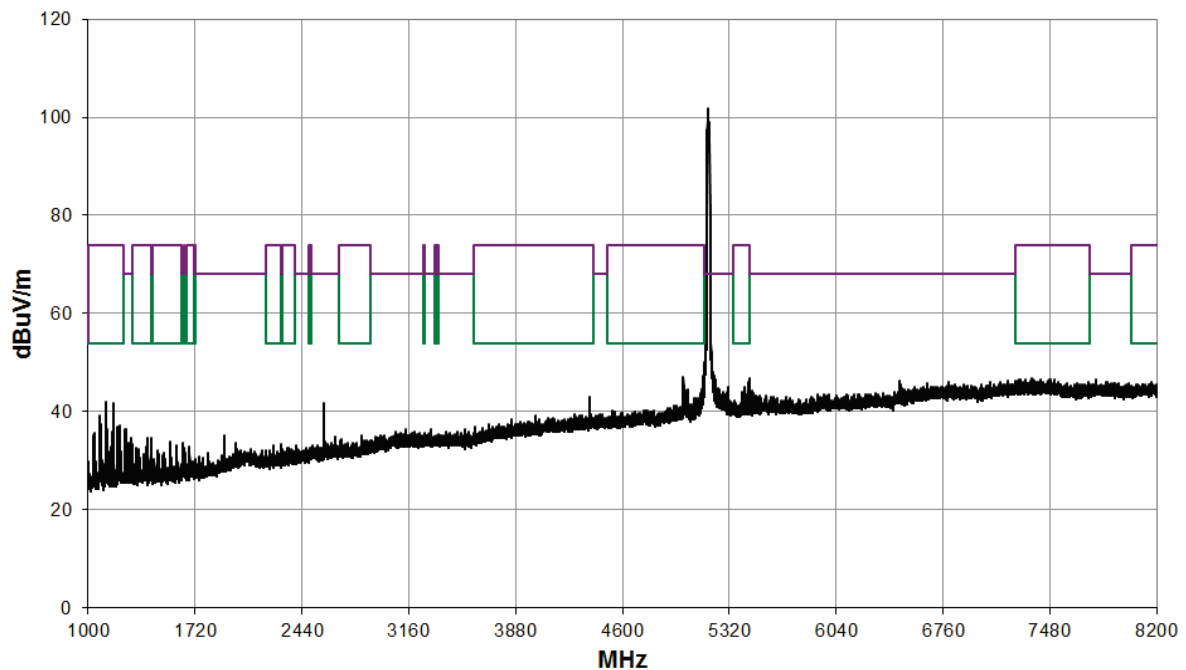
Date: 23.JUN.2020 16:40:03

SISO; Mode: 802.11ac20; Channel: CH36; Frequency: 5180 MHz; Bandwidth: 20 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	5011.5	20.6	5.5	33.3	0.0	0.0	59.4	0.0	933.3	5000
AV	5011.7	-1.1	5.5	33.3	0.0	0.0	37.7	0.0	76.7	500
AV	15542.8	47.3	10.9	31.8	34.4	0.0	46.1	0.0	201.8	500
PK	15542.9	55.6	10.9	31.8	34.4	0.0	54.4	0.0	524.8	5000

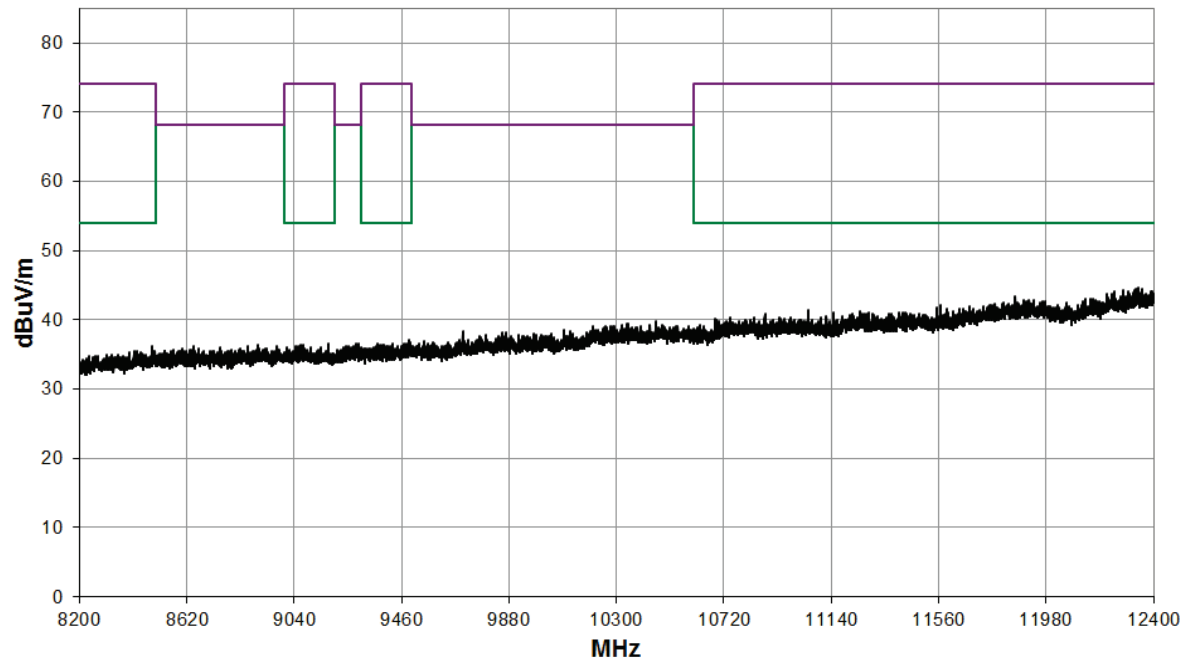
30 MHz to 1 GHz



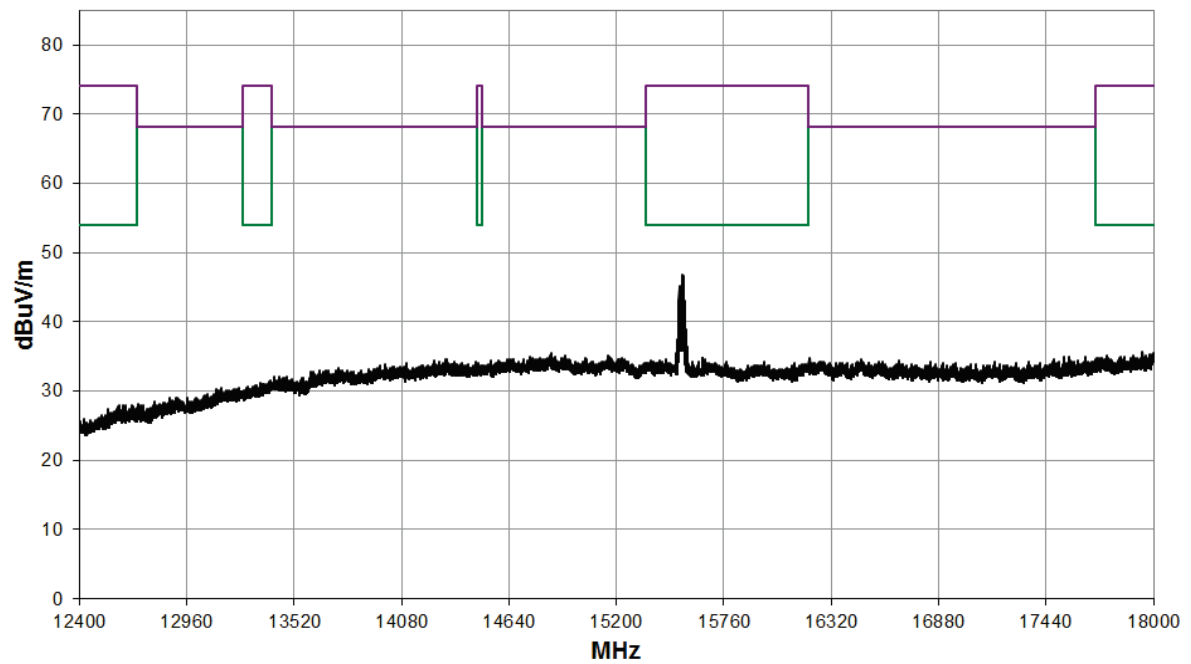
1 GHz to 8.2 GHz



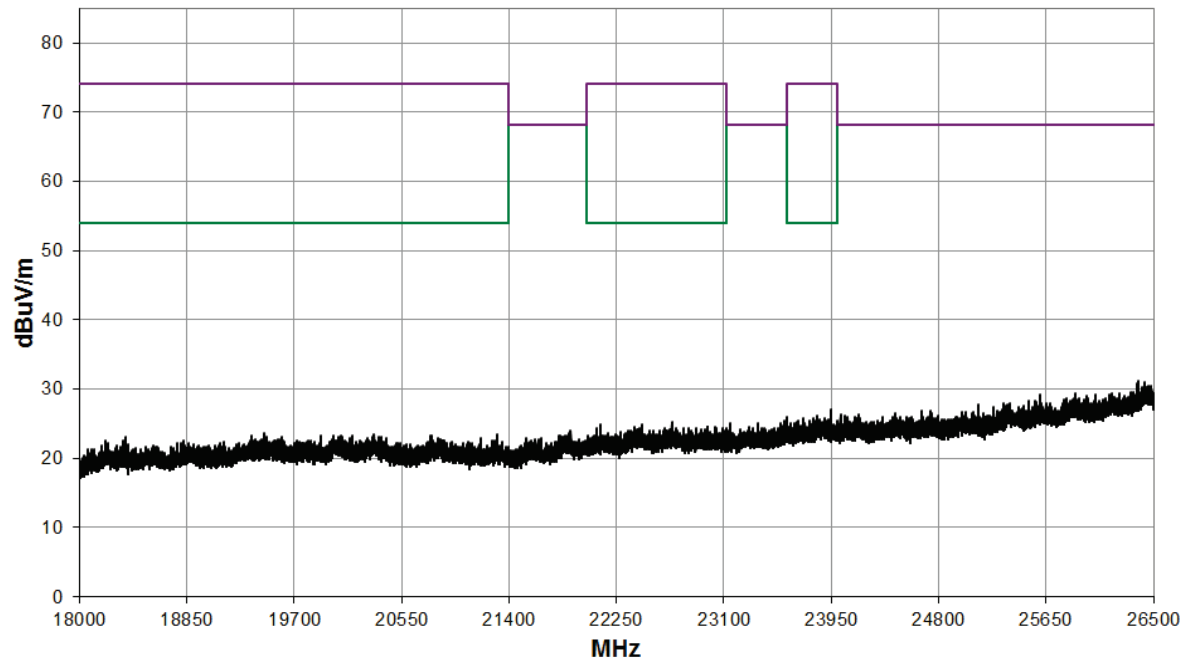
8.2 GHz to 12.4 GHz



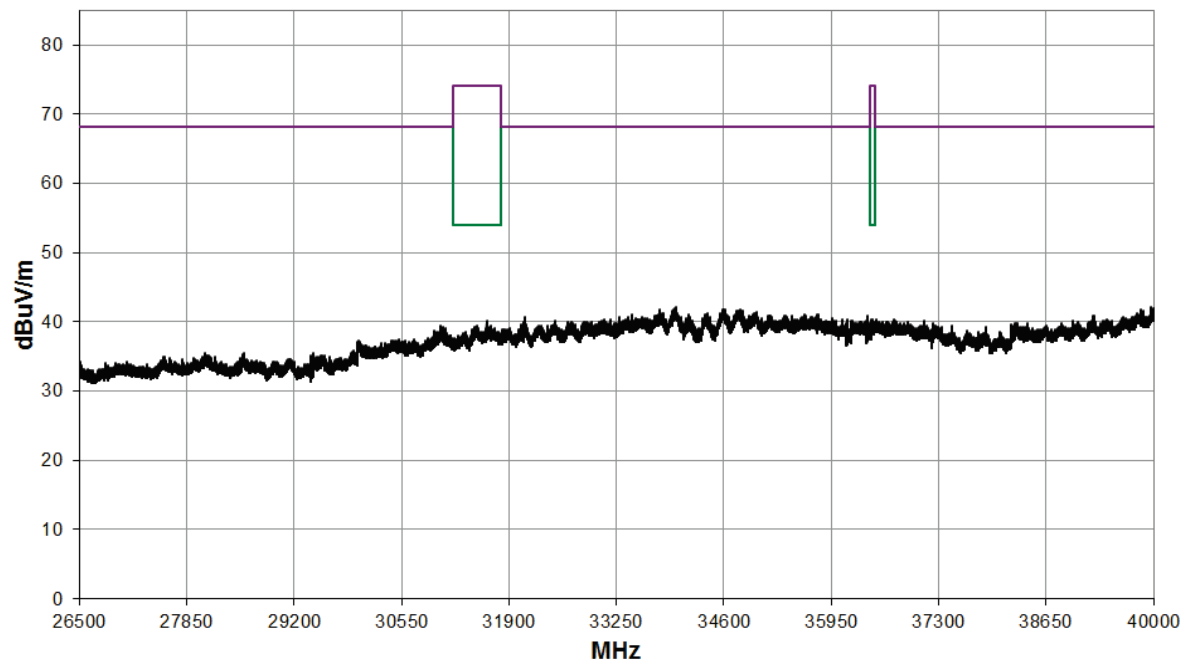
12.4 GHz to 18 GHz



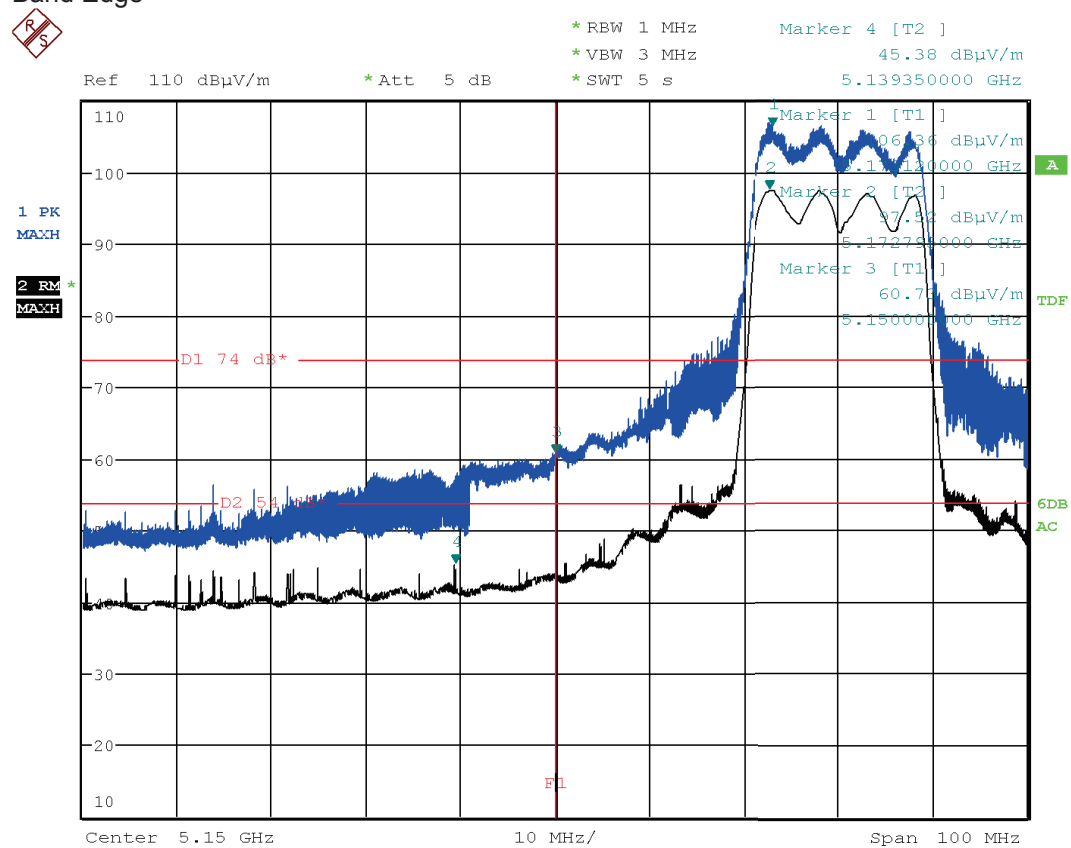
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



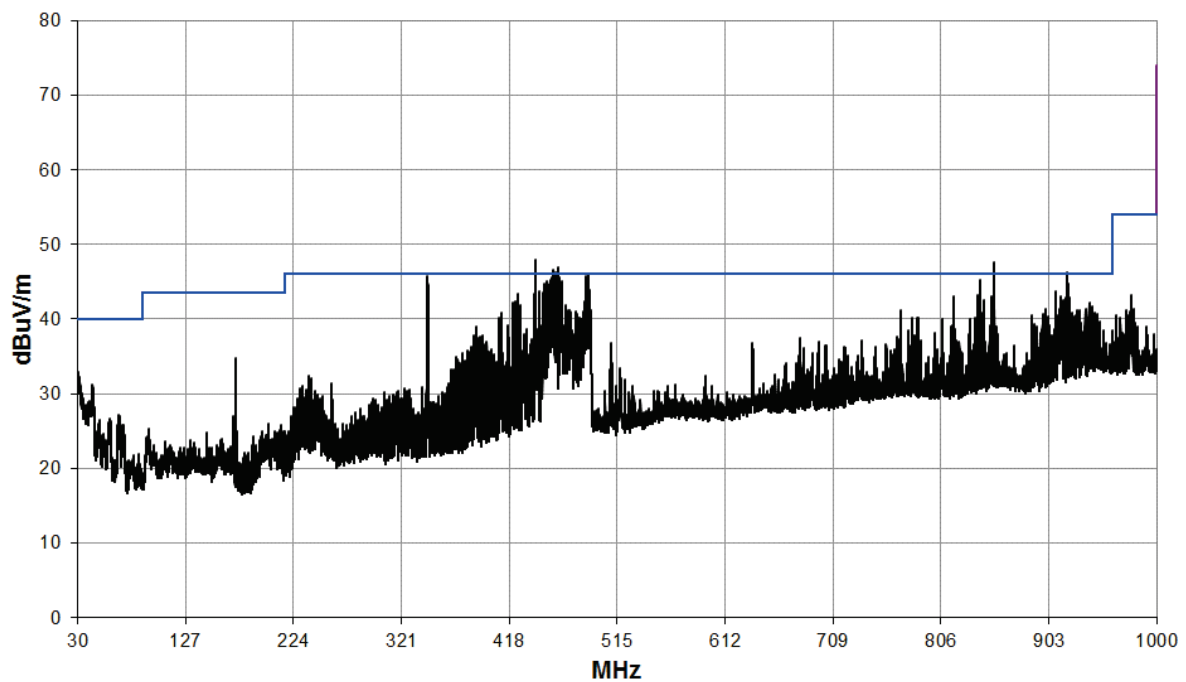
Band Edge



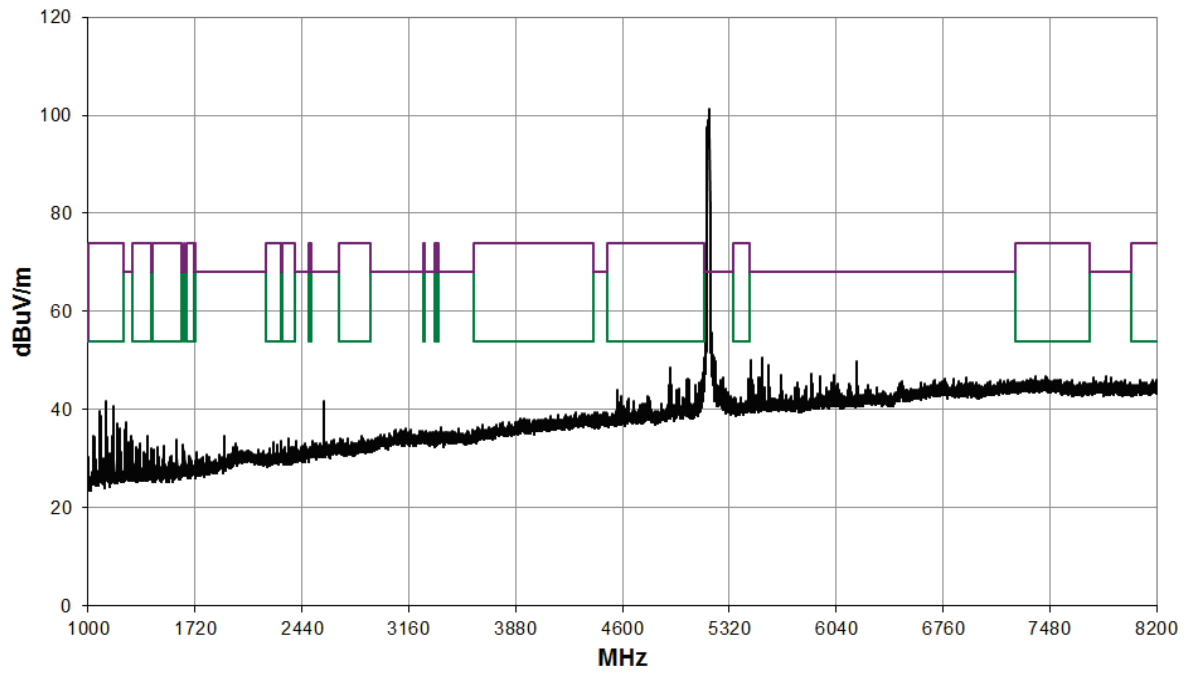
Date: 23.JUN.2020 15:51:19

SISO; Mode: 802.11ac20; Channel: CH36; Frequency: 5180 MHz; Bandwidth: 20 MHz; MCS Index: 8										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	4920.5	18.6	5.5	33.3	0.0	0.0	57.4	0.0	741.3	5000
AV	4921.5	-3.8	5.5	33.3	0.0	0.0	35.0	0.0	56.2	500
PK	5092.1	17.3	5.6	33.5	0.0	0.0	56.4	0.0	660.7	5000
AV	5092.5	-1.3	5.6	33.5	0.0	0.0	37.8	0.0	77.6	500
PK	15542.2	57.3	10.9	31.8	34.4	0.0	56.1	0.0	638.3	5000
AV	15542.6	45.8	10.9	31.8	34.4	0.0	44.6	0.0	169.8	500

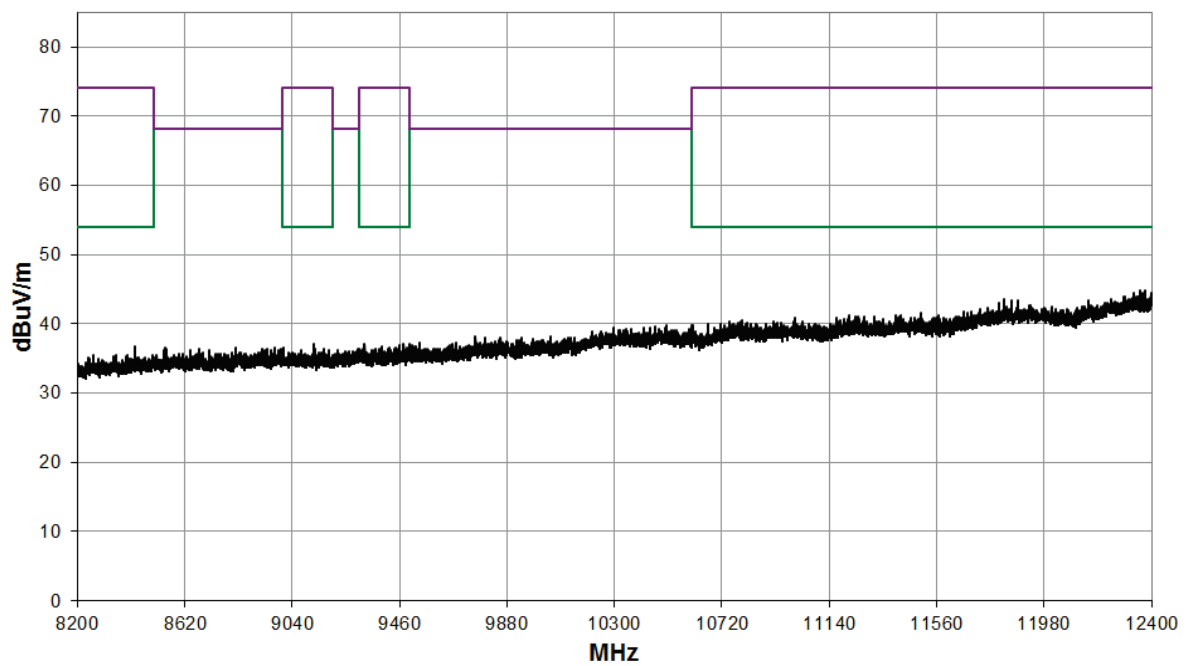
30 MHz to 1 GHz



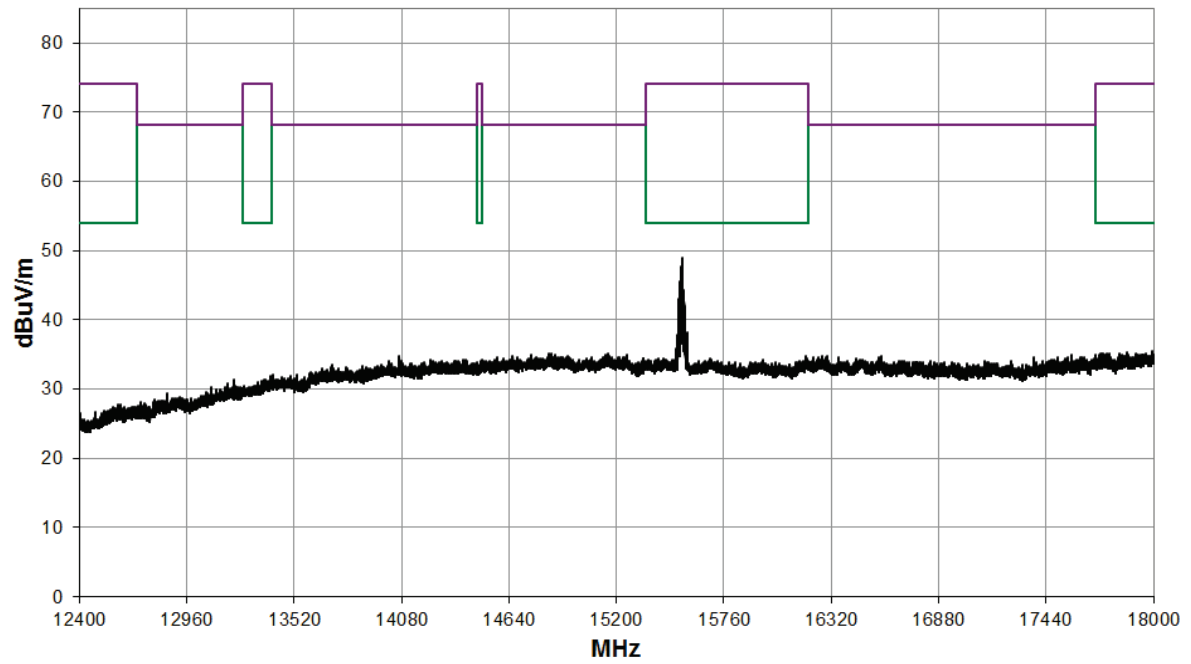
1 GHz to 8.2 GHz



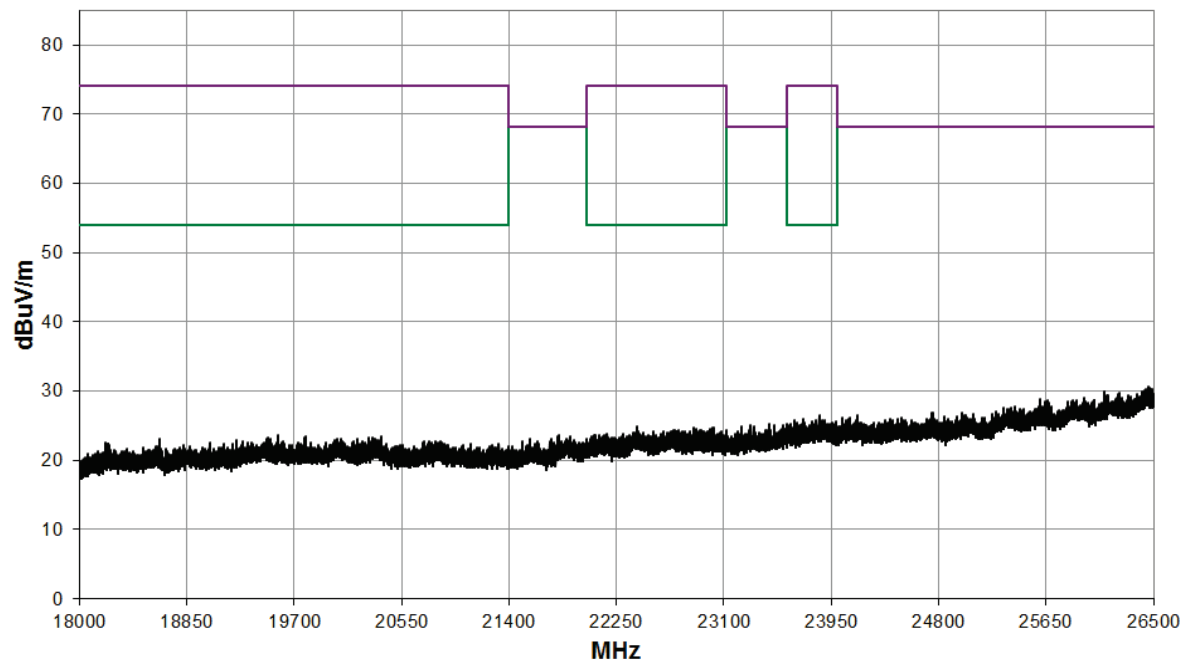
8.2 GHz to 12.4 GHz



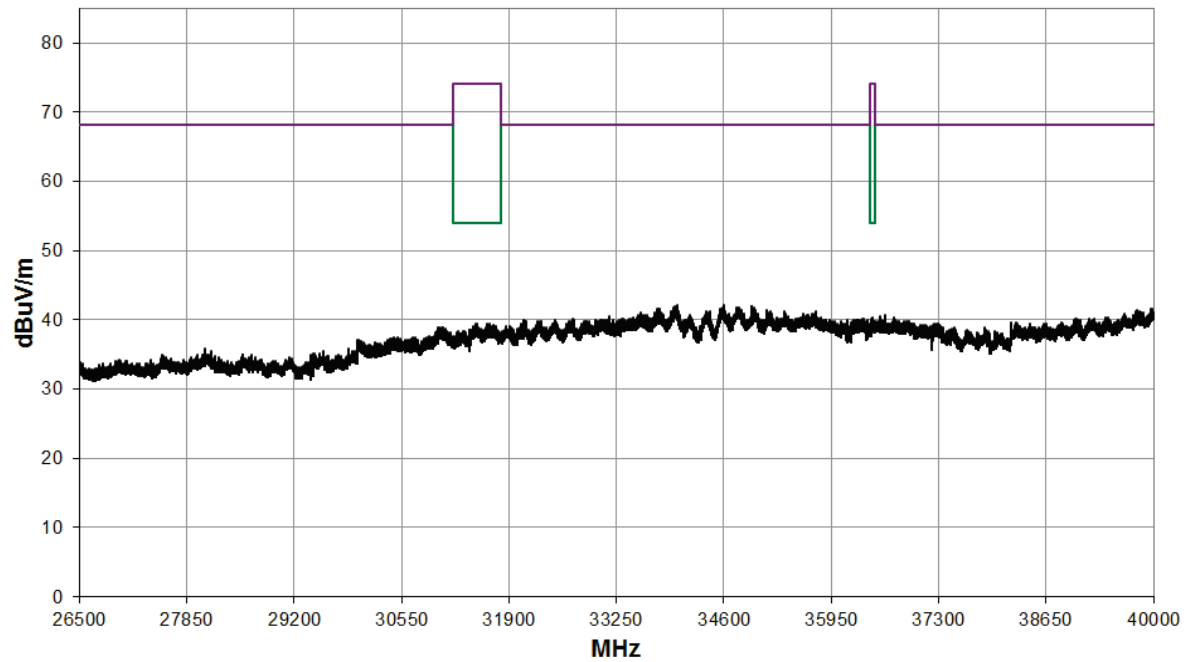
12.4 GHz to 18 GHz



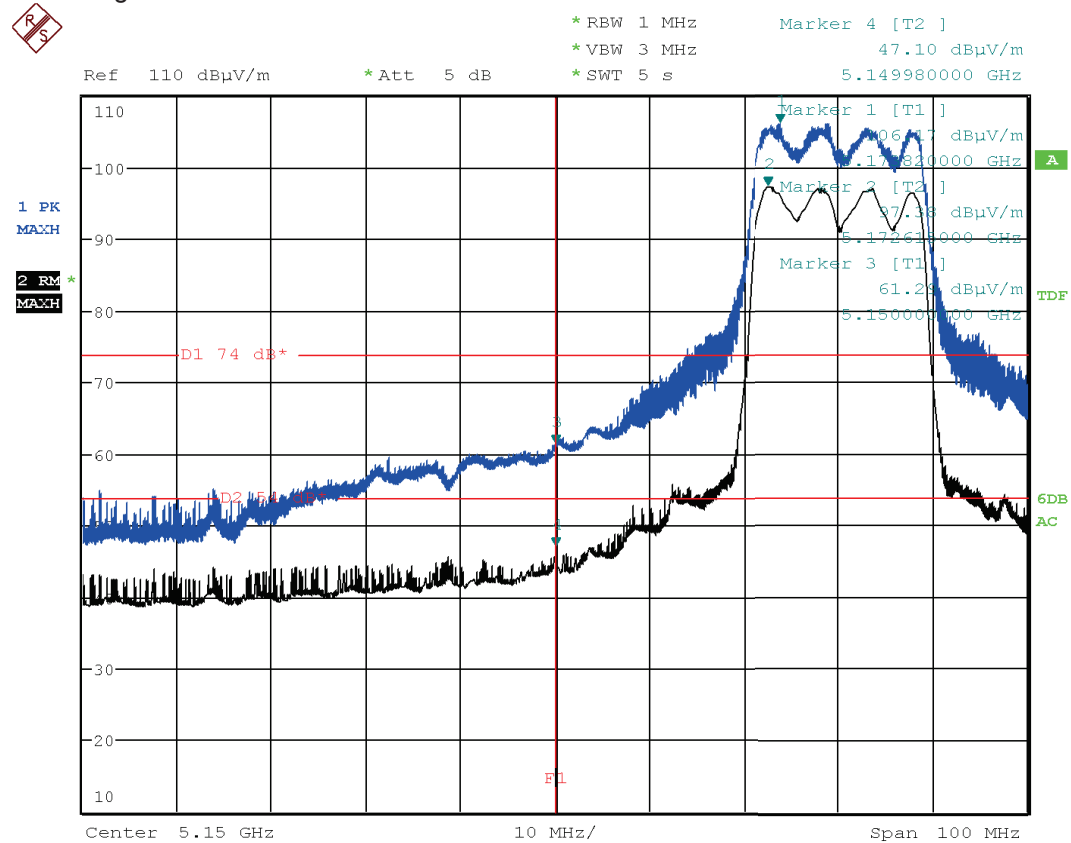
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



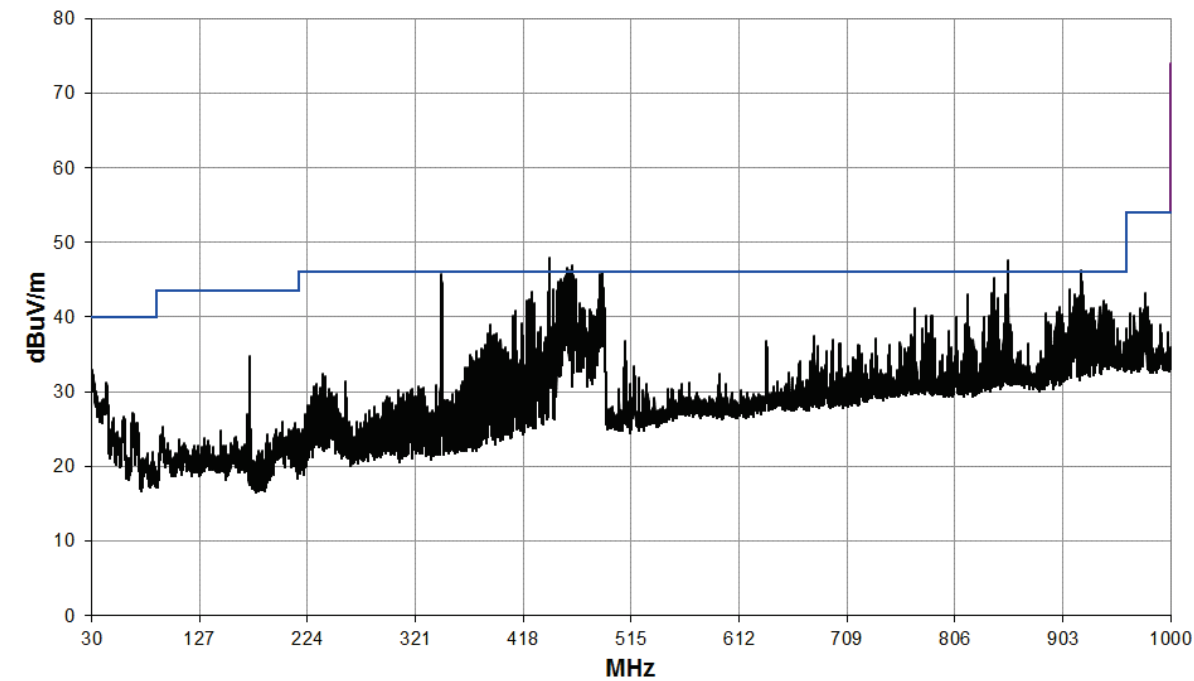
Band Edge



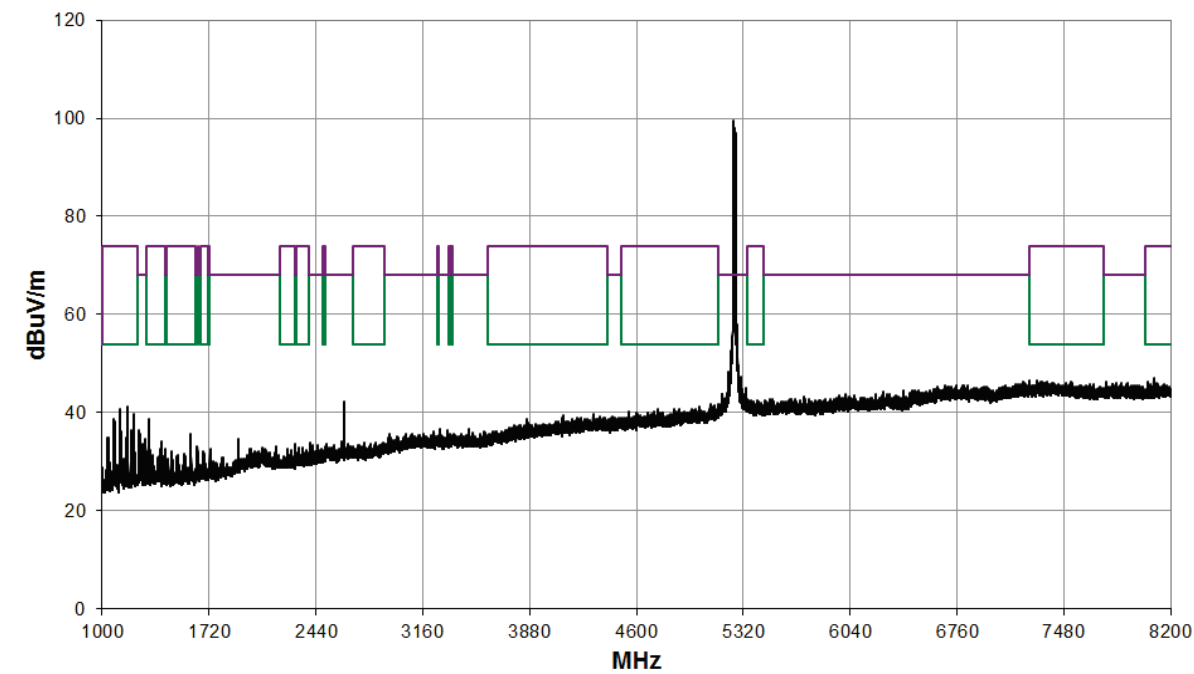
Date: 23.JUN.2020 15:52:52

SISO; Mode: 802.11ac20; Channel: CH52; Frequency: 5260 MHz; Bandwidth: 20 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
No emissions within 20 dB of the limit										

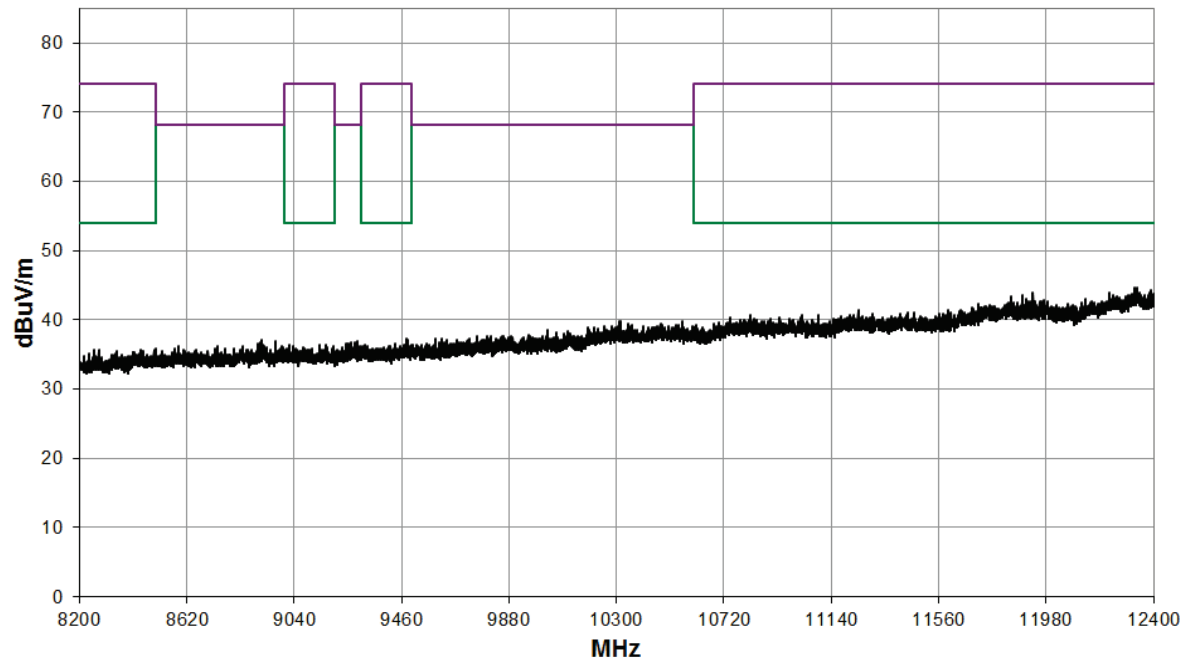
30 MHz to 1 GHz



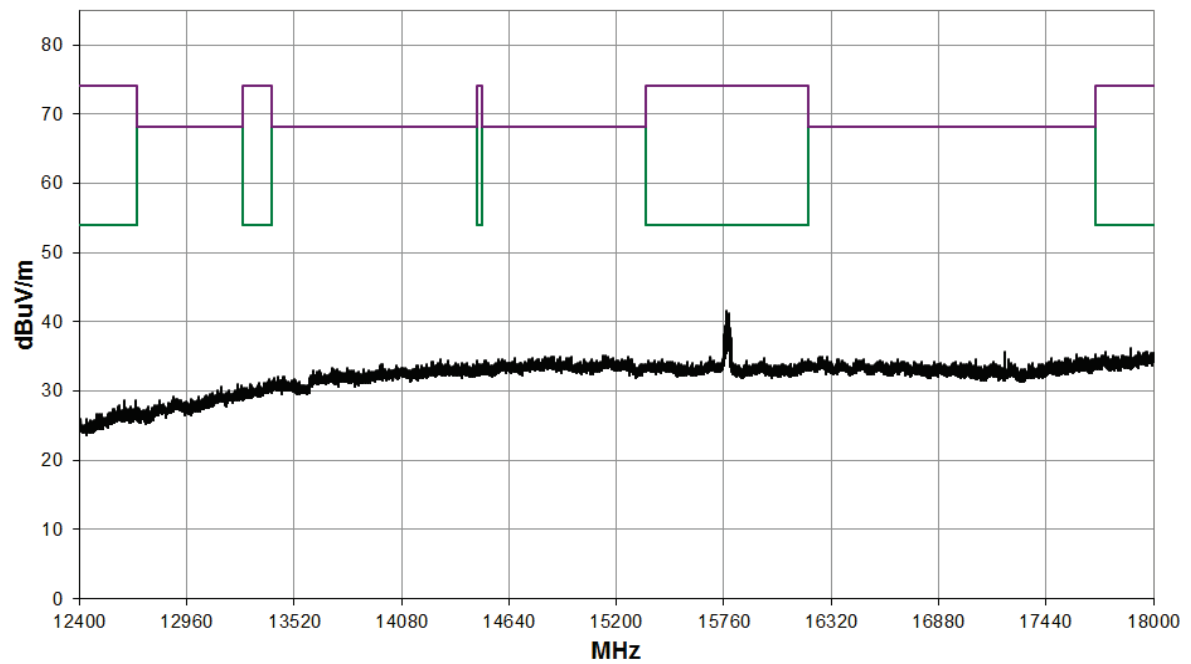
1 GHz to 8.2 GHz



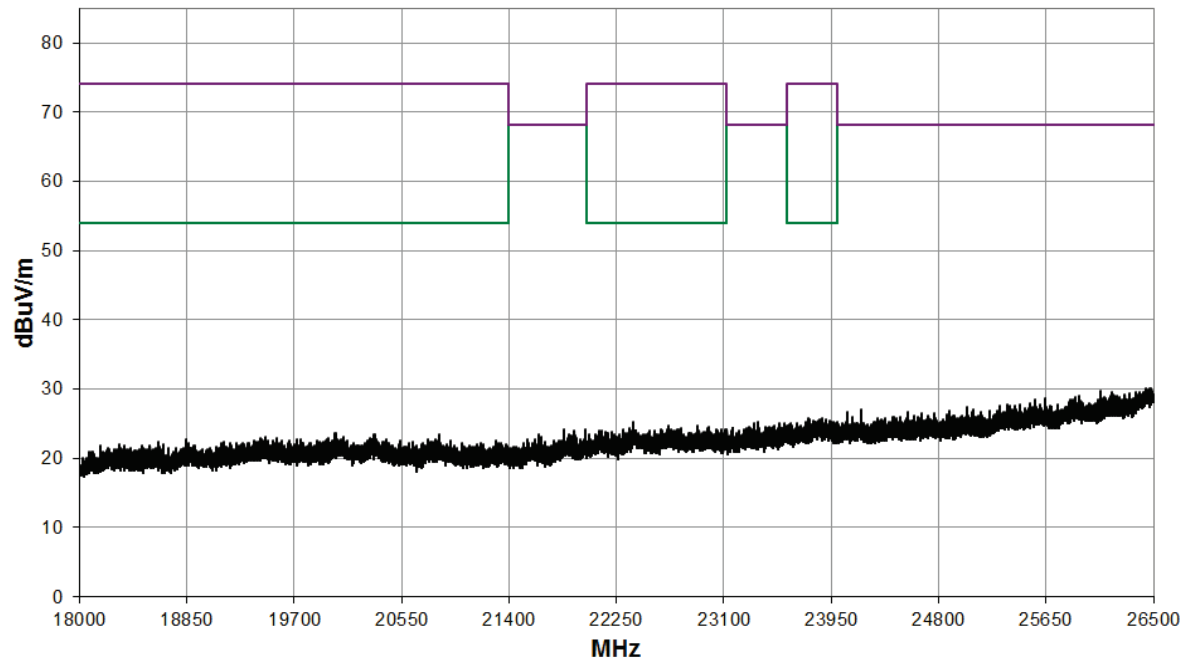
8.2 GHz to 12.4 GHz



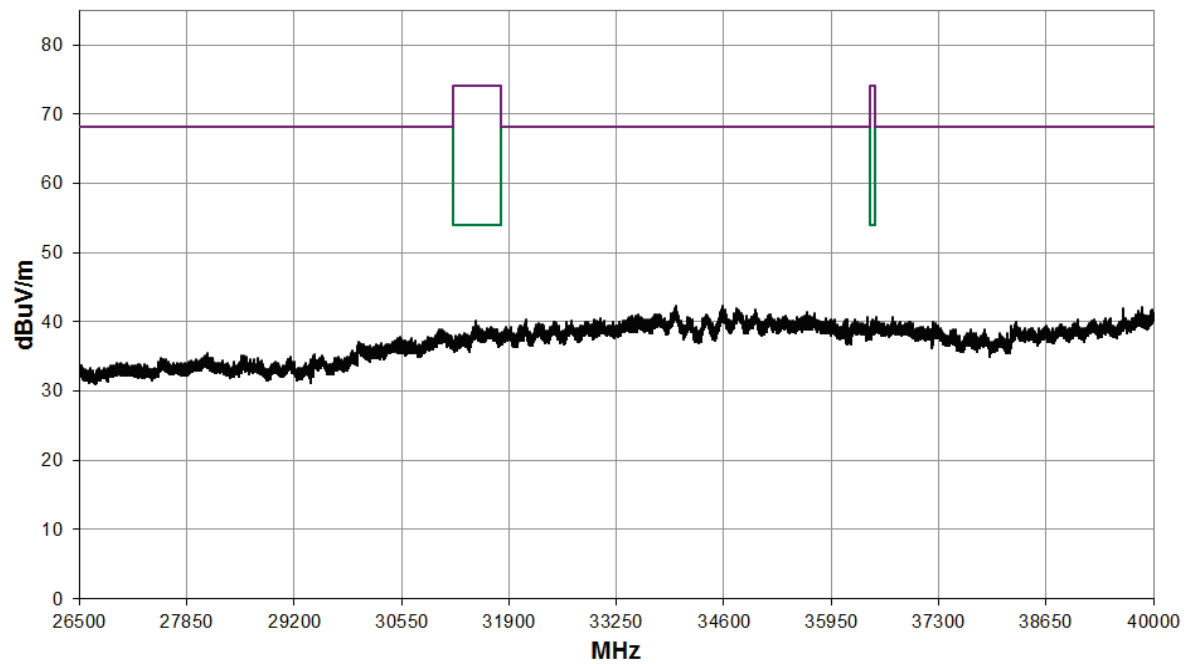
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

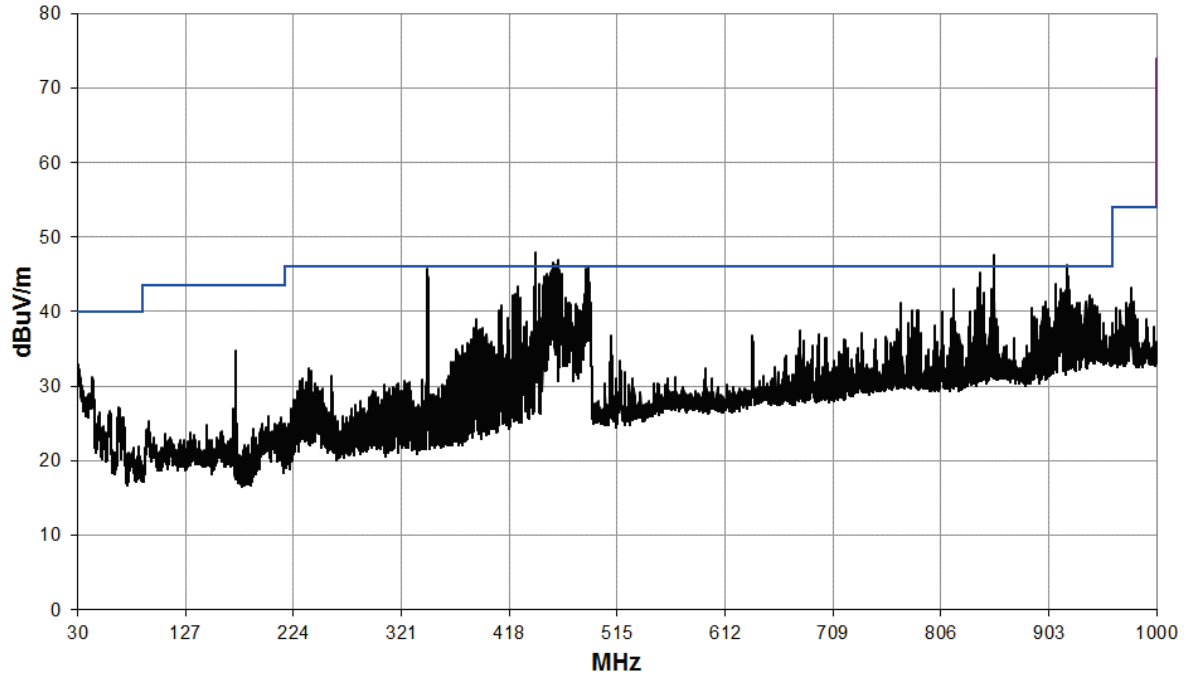


26.5 GHz to 40 GHz

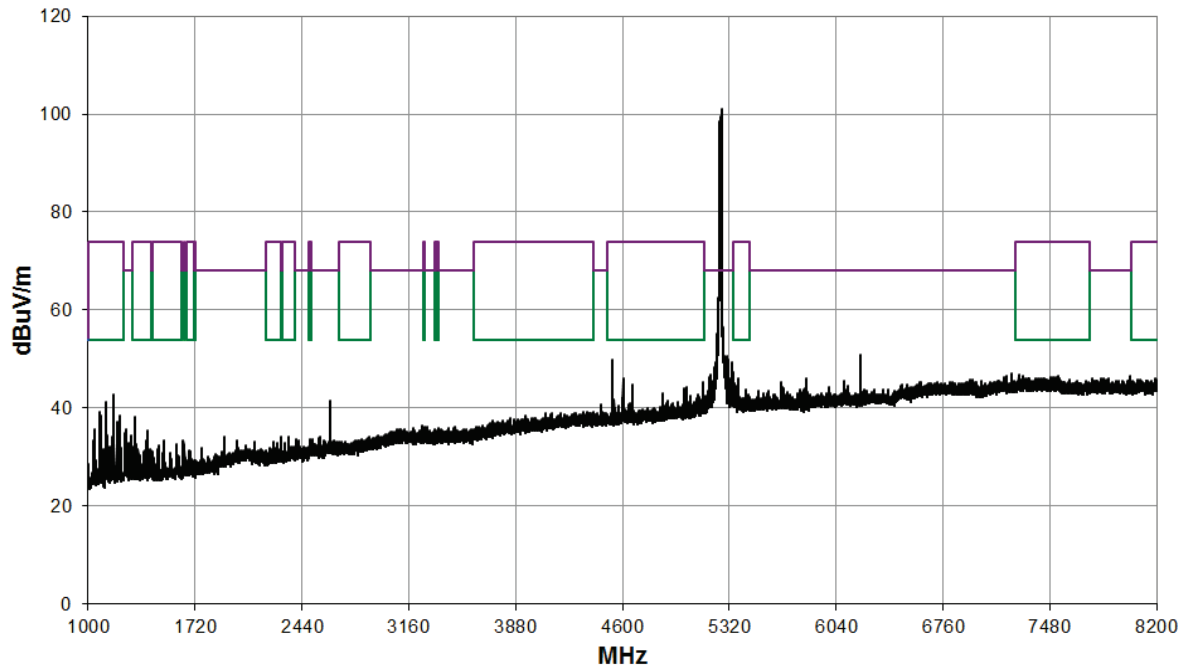


SISO; Mode: 802.11ac20; Channel: CH52; Frequency: 5260 MHz; Bandwidth: 20 MHz; MCS Index: 8										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	4662.2	-4.2	5.3	33.1	0.0	0.0	34.2	0.0	51.3	500
AV	15782.7	37.5	11.0	32.1	34.6	0.0	36.5	0.0	66.8	500

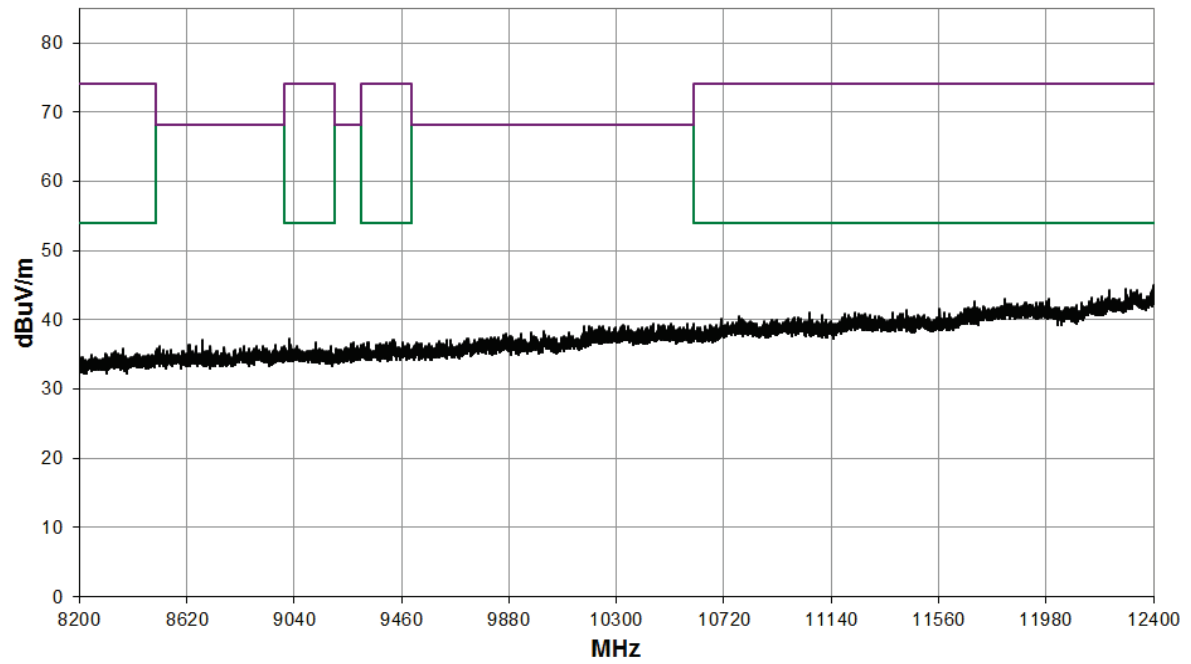
30 MHz to 1 GHz



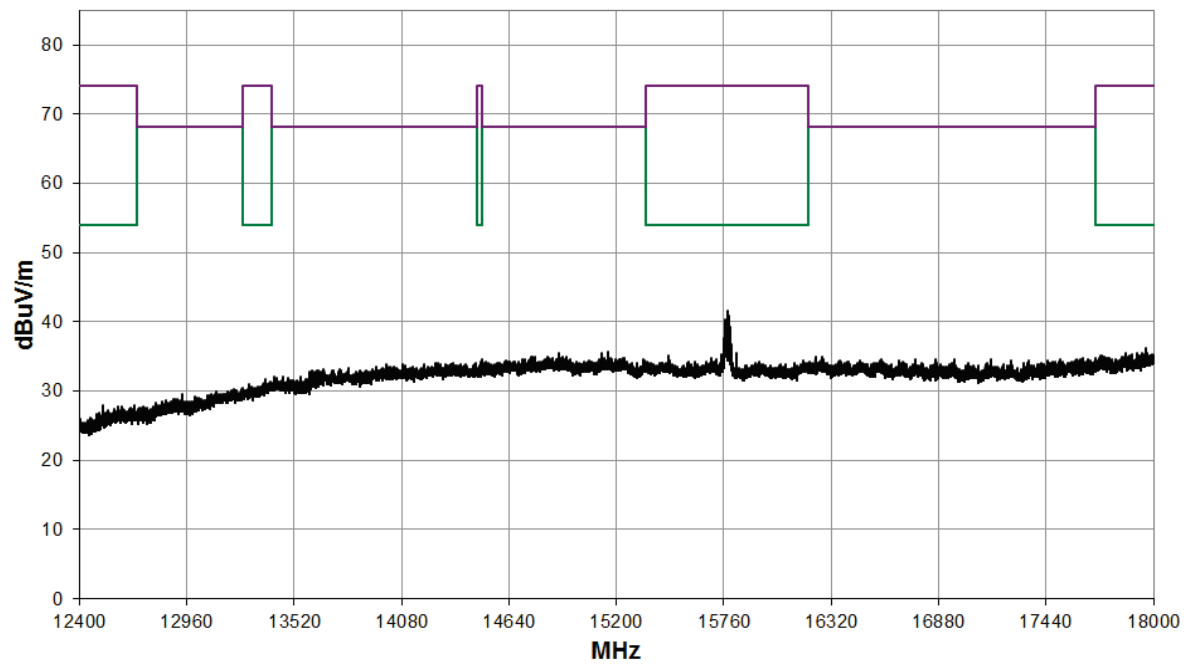
1 GHz to 8.2 GHz



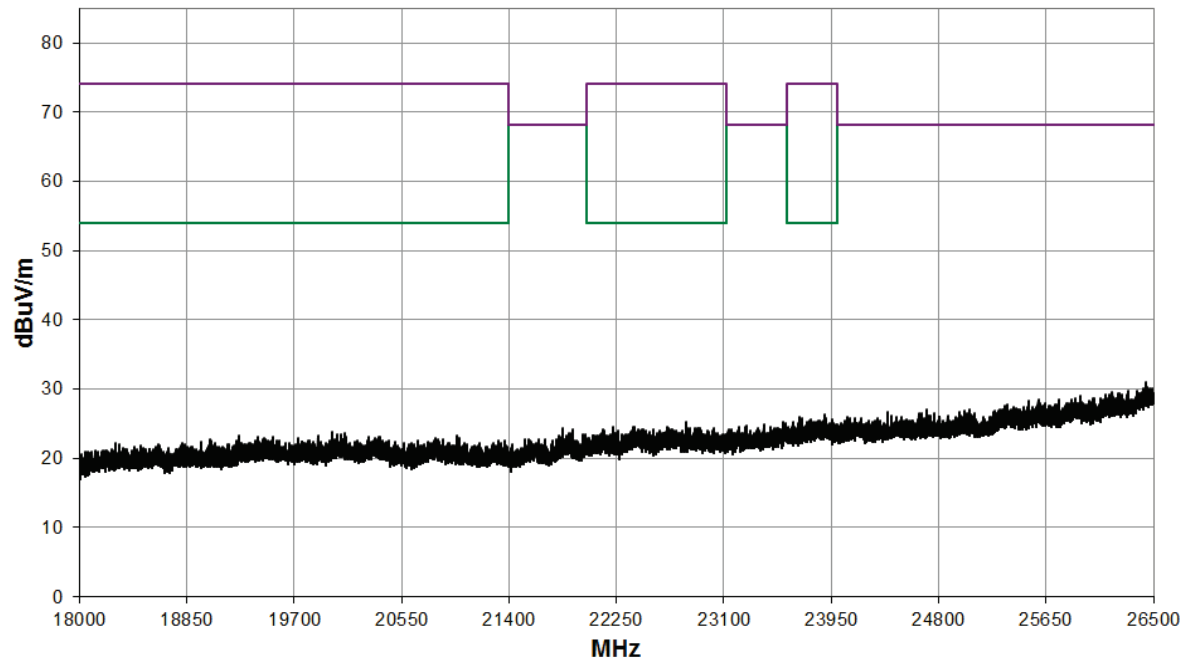
8.2 GHz to 12.4 GHz



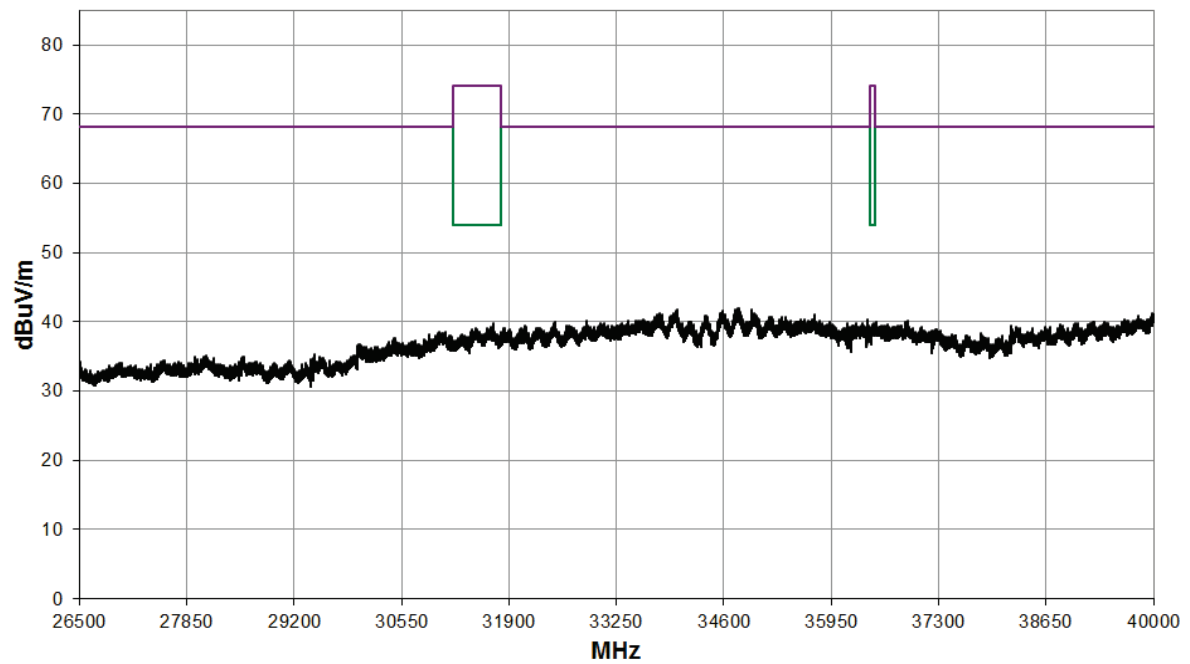
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

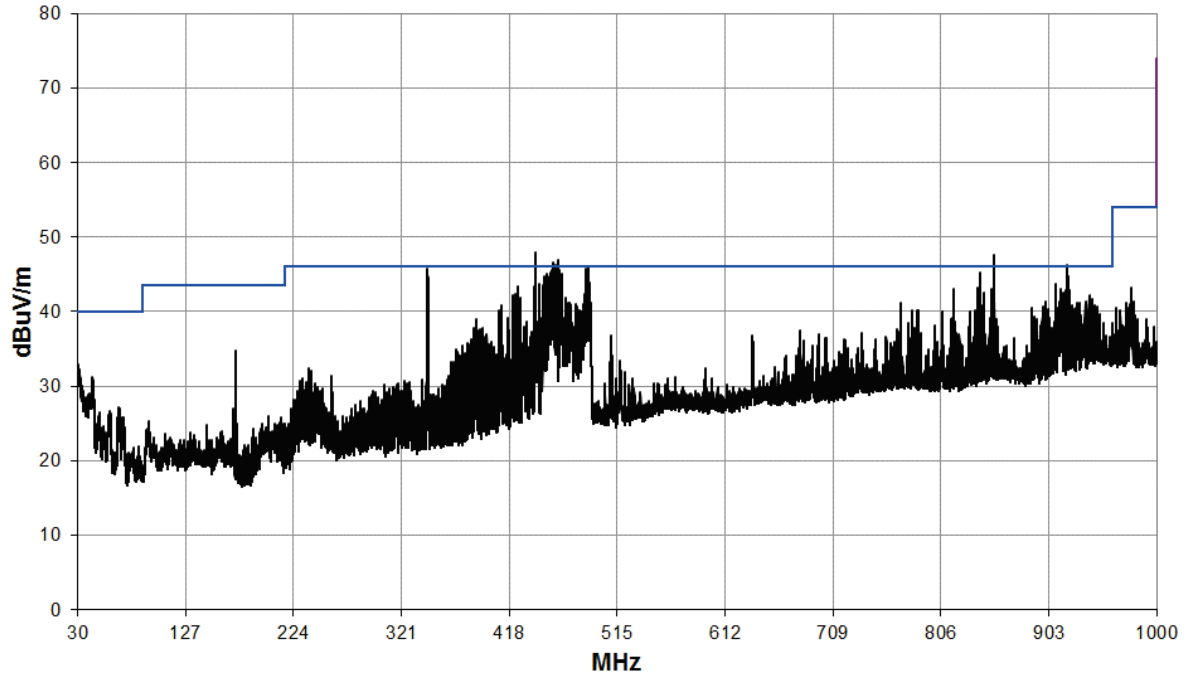


26.5 GHz to 40 GHz

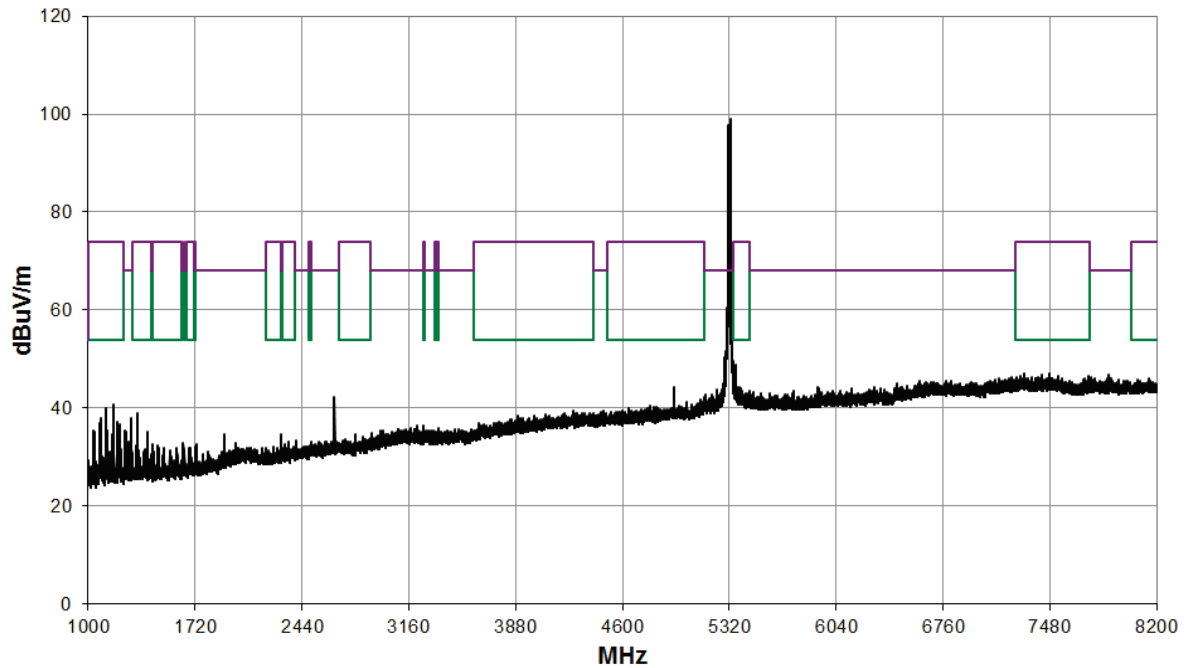


SISO; Mode: 802.11ac20; Channel: CH64; Frequency: 5320 MHz; Bandwidth: 20 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	4949.7	-3.2	5.5	33.3	0.0	0.0	35.6	0.0	60.3	500
AV	15963.0	41.2	11.1	32.3	34.7	0.0	40.4	0.0	104.7	500

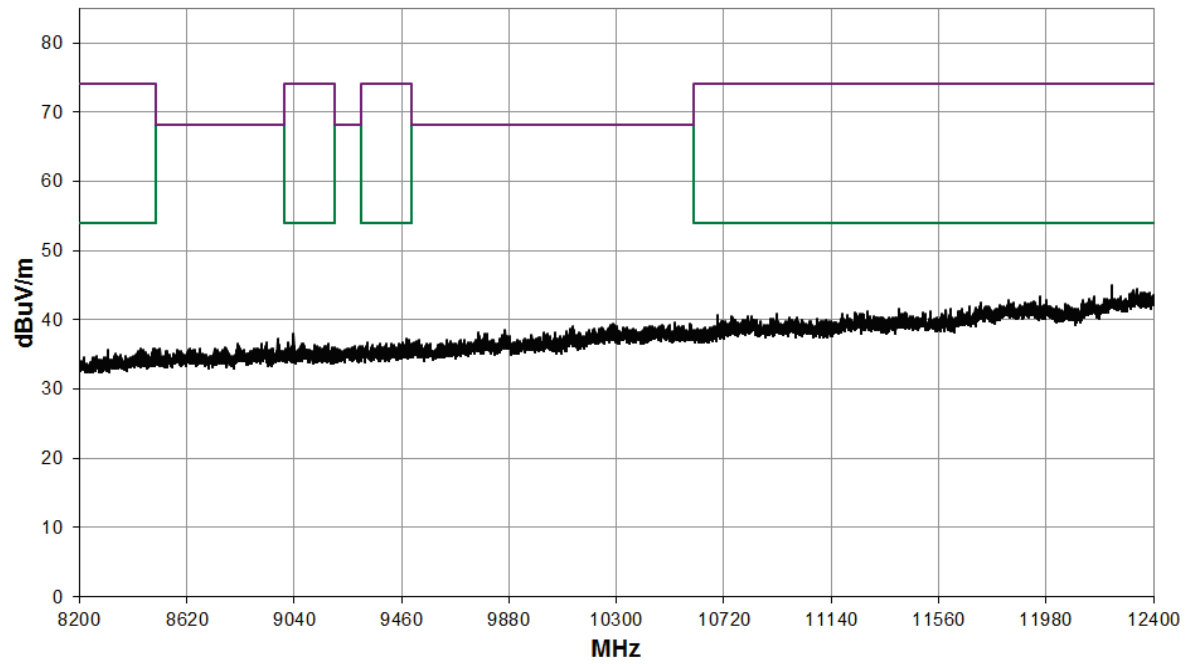
30 MHz to 1 GHz



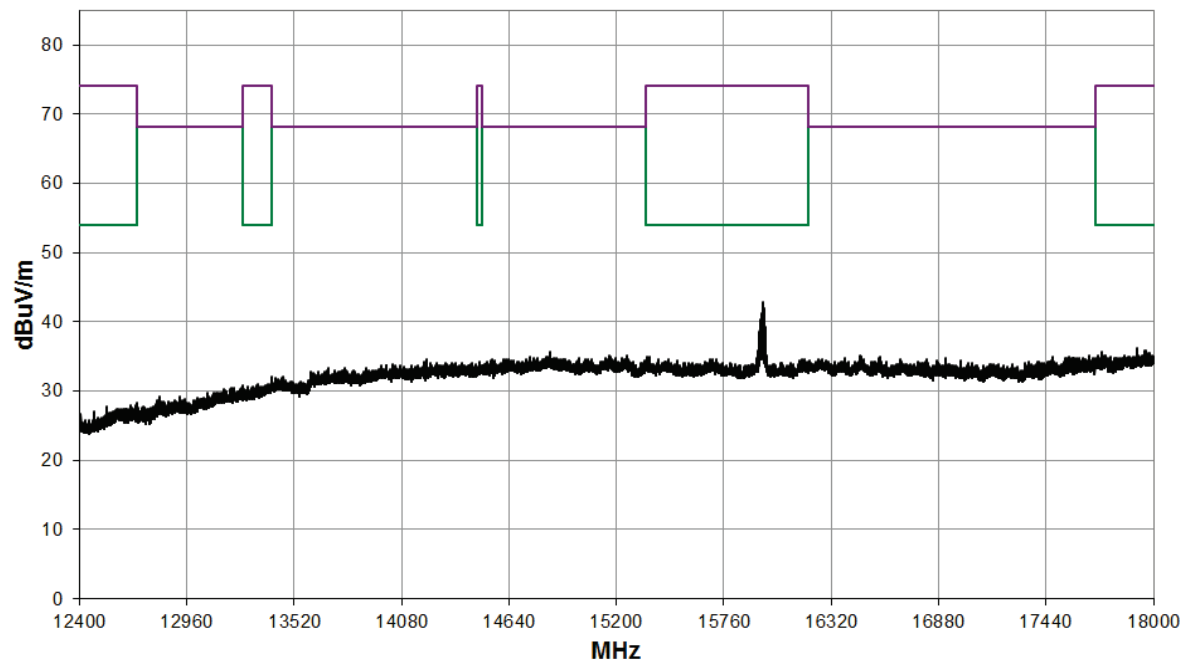
1 GHz to 8.2 GHz



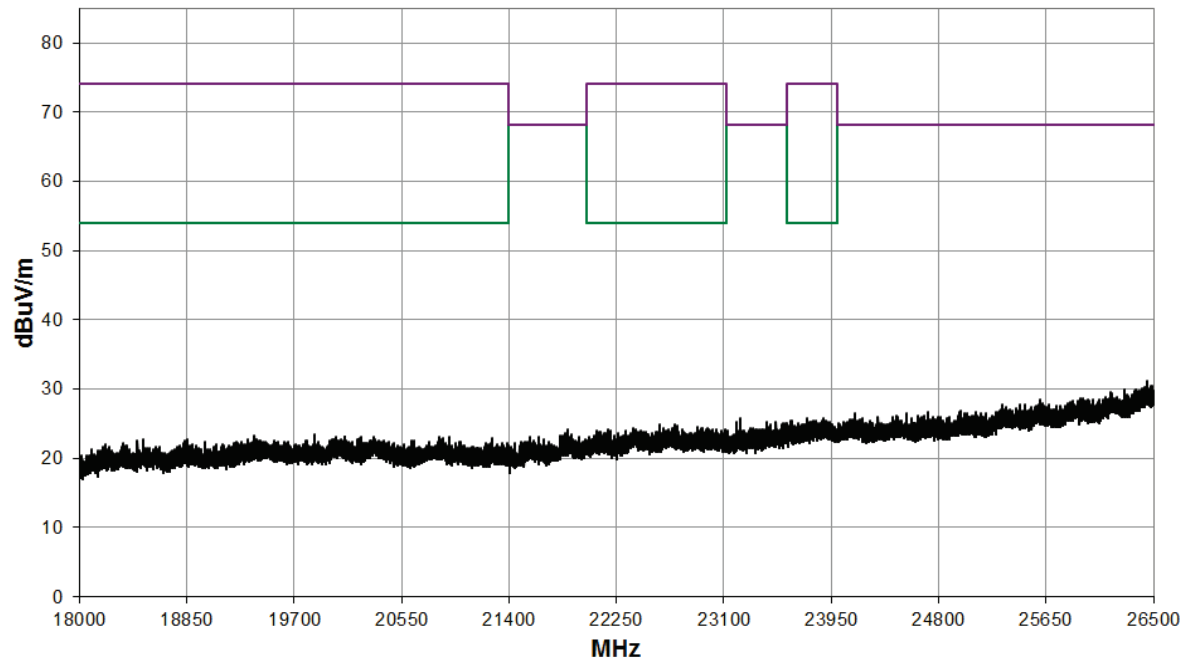
8.2 GHz to 12.4 GHz



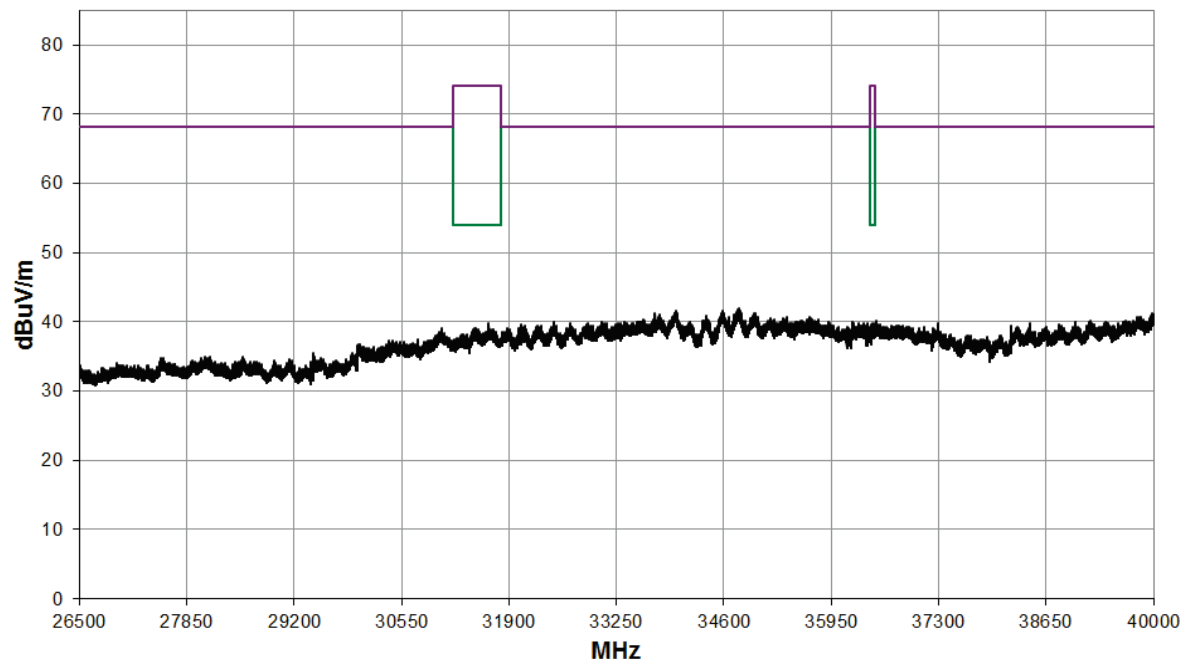
12.4 GHz to 18 GHz



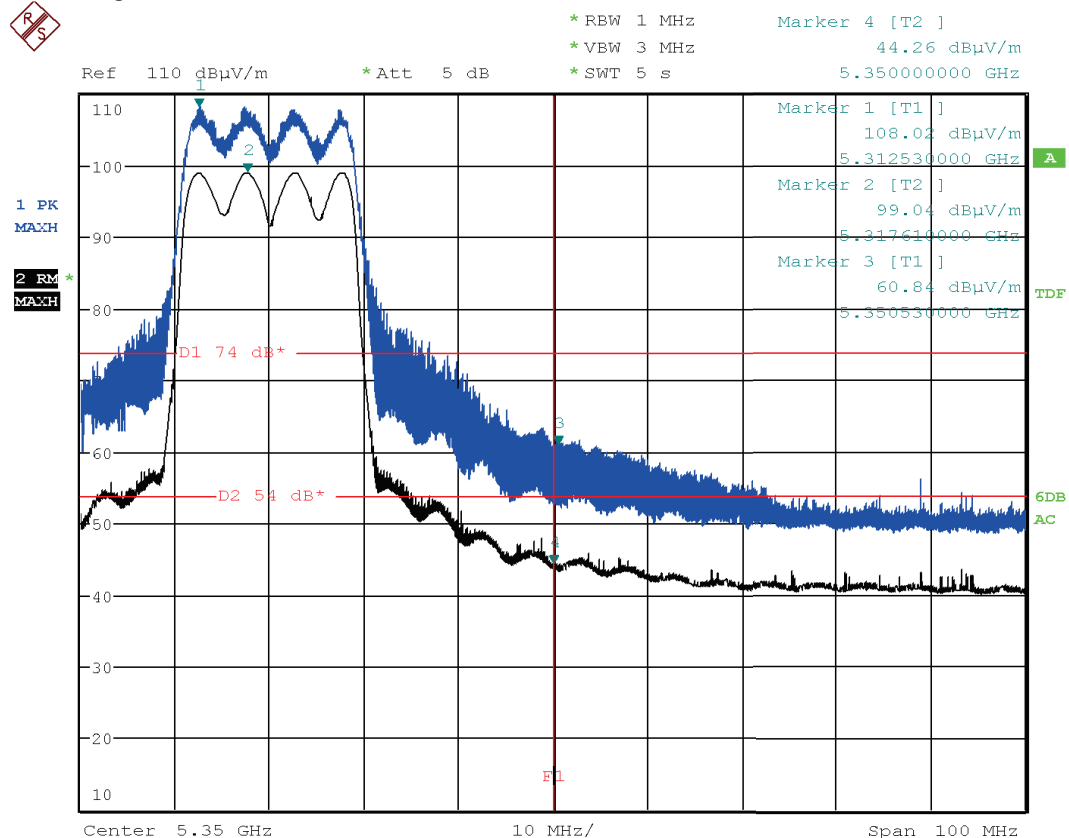
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



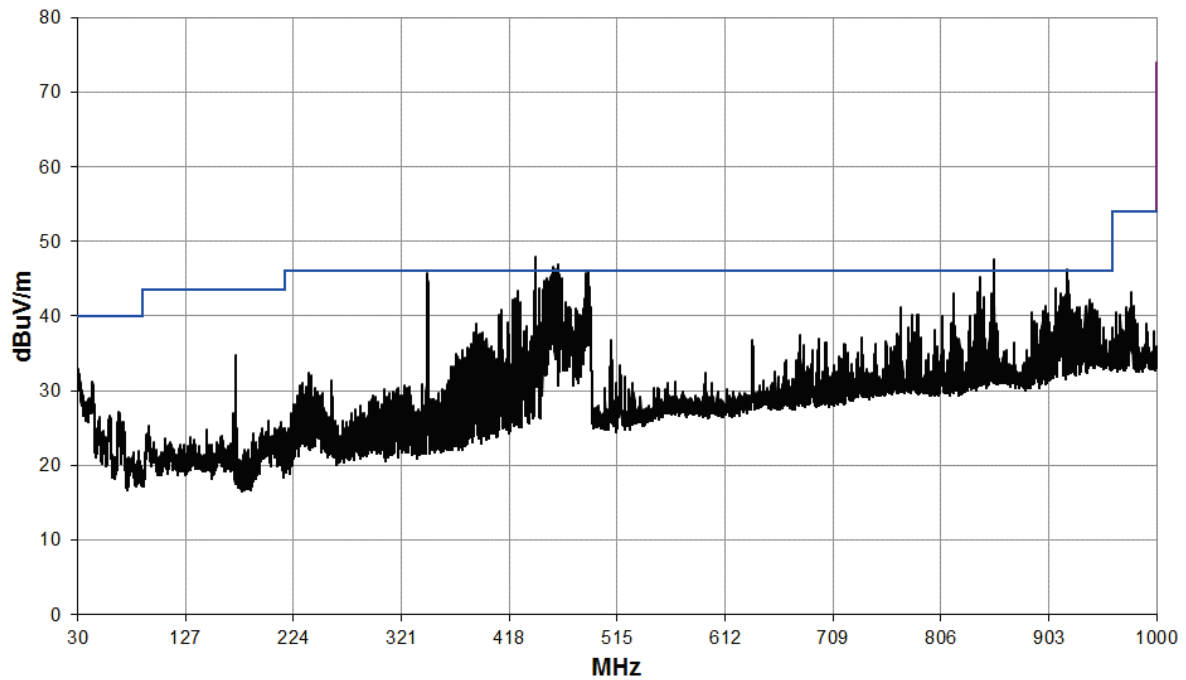
Band Edge



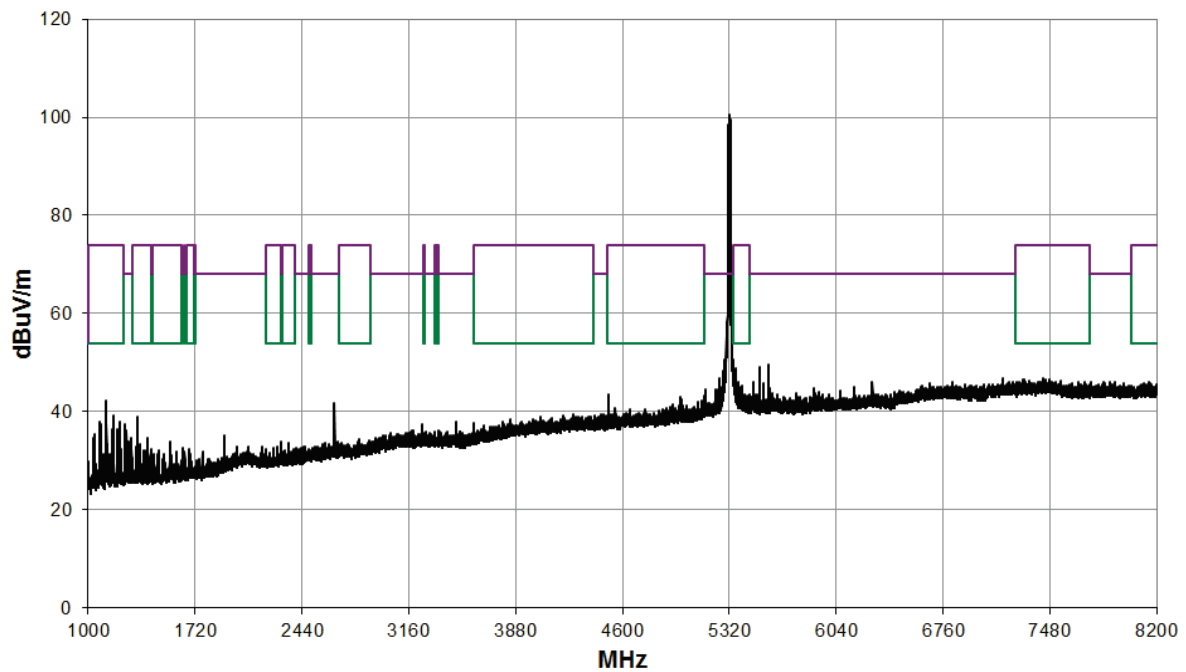
Date: 23.JUN.2020 16:05:21

SISO; Mode: 802.11ac20; Channel: CH64; Frequency: 5320 MHz; Bandwidth: 20 MHz; MCS Index: 8										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	4504.3	18.1	5.2	32.6	0.0	0.0	55.9	0.0	623.7	5000
PK	15968.0	55.1	11.1	32.3	34.7	0.0	54.3	0.0	518.8	5000
AV	15968.6	40.8	11.1	32.3	34.7	0.0	40.0	0.0	100.0	500

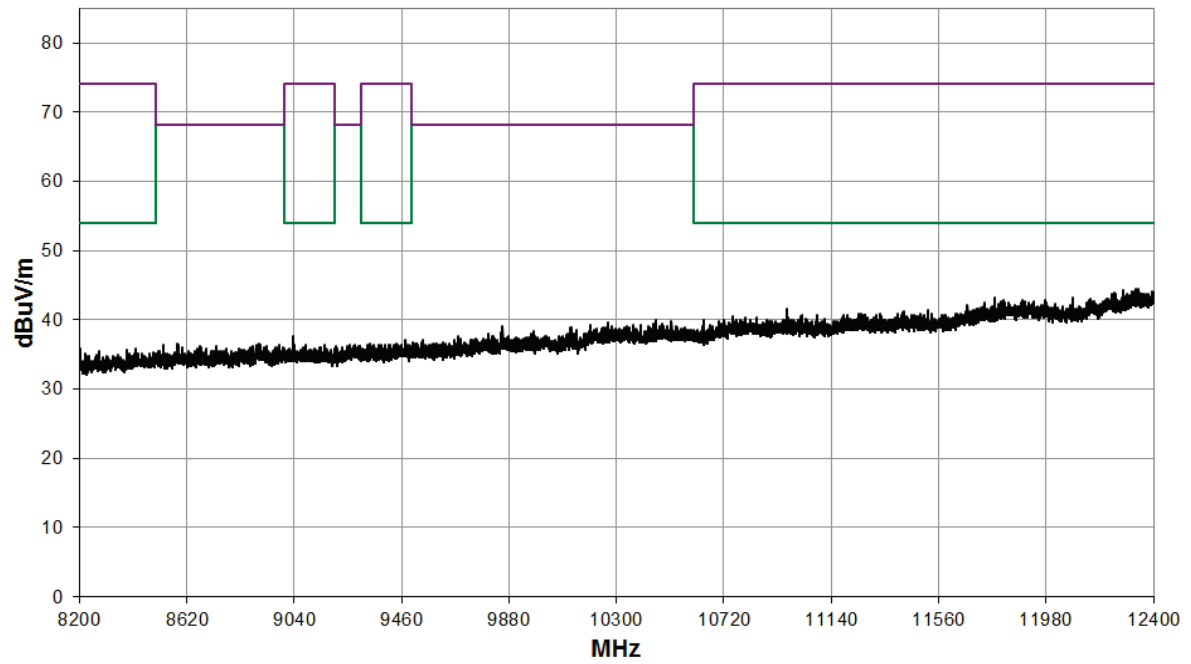
30 MHz to 1 GHz



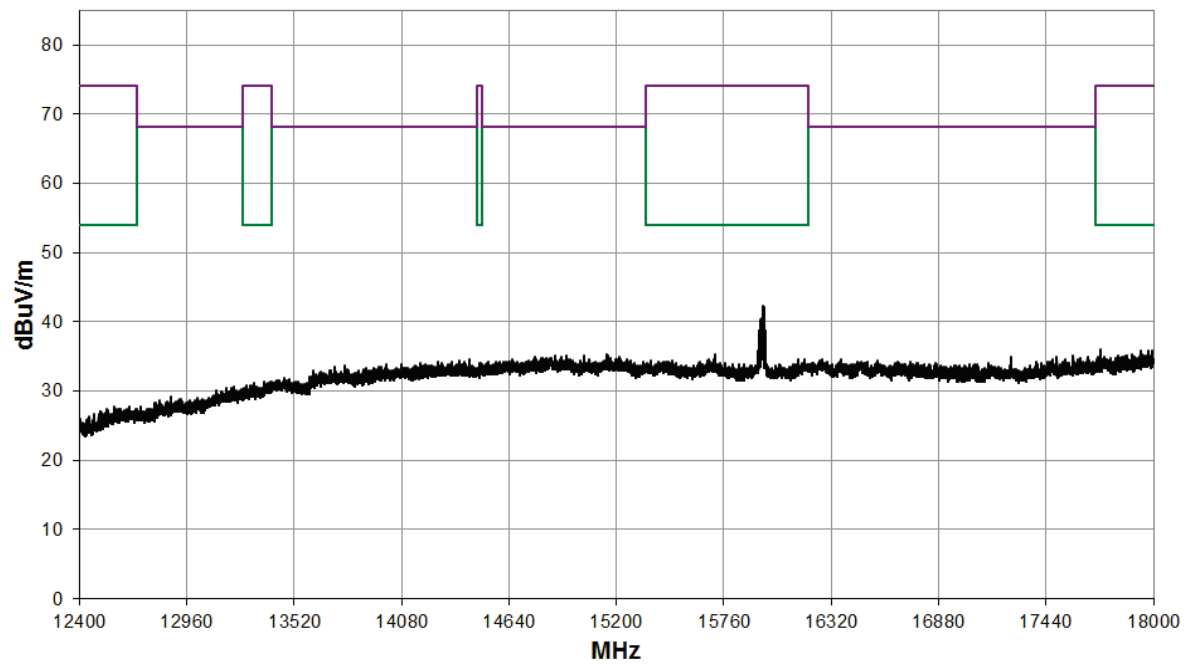
1 GHz to 8.2 GHz



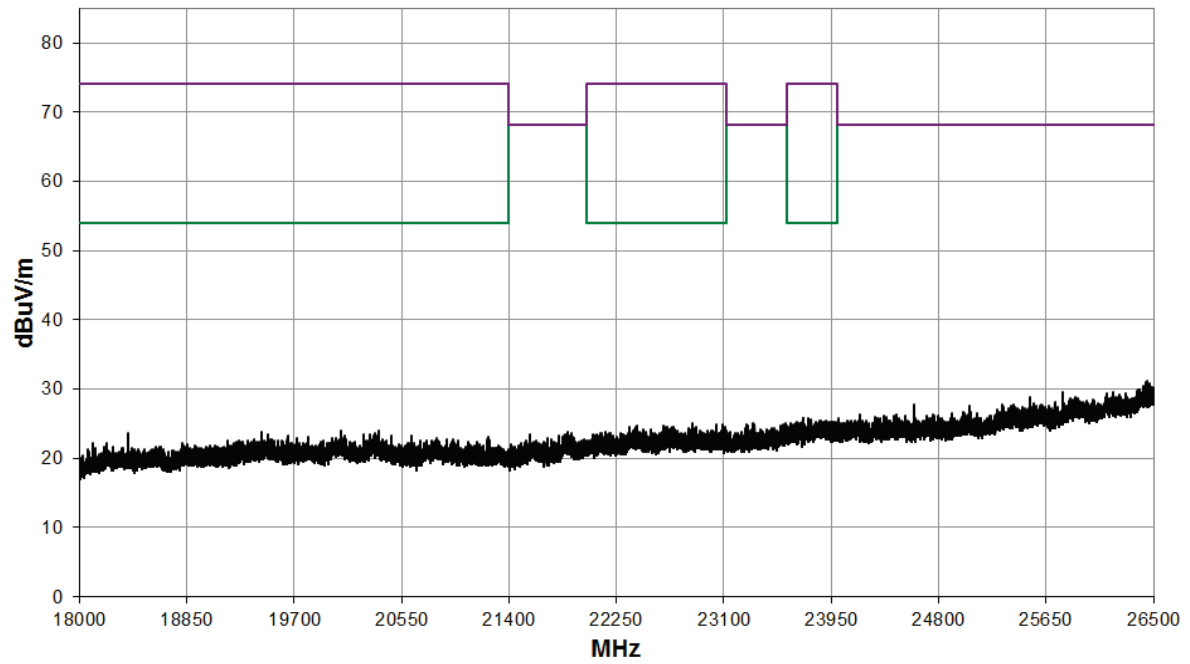
8.2 GHz to 12.4 GHz



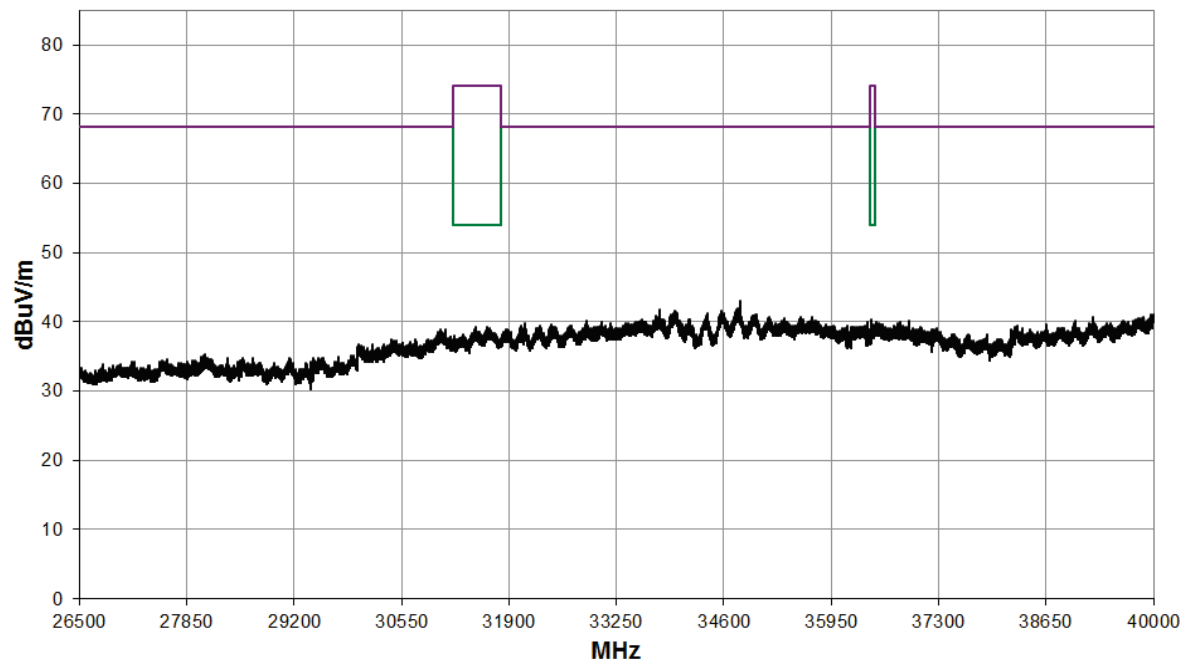
12.4 GHz to 18 GHz



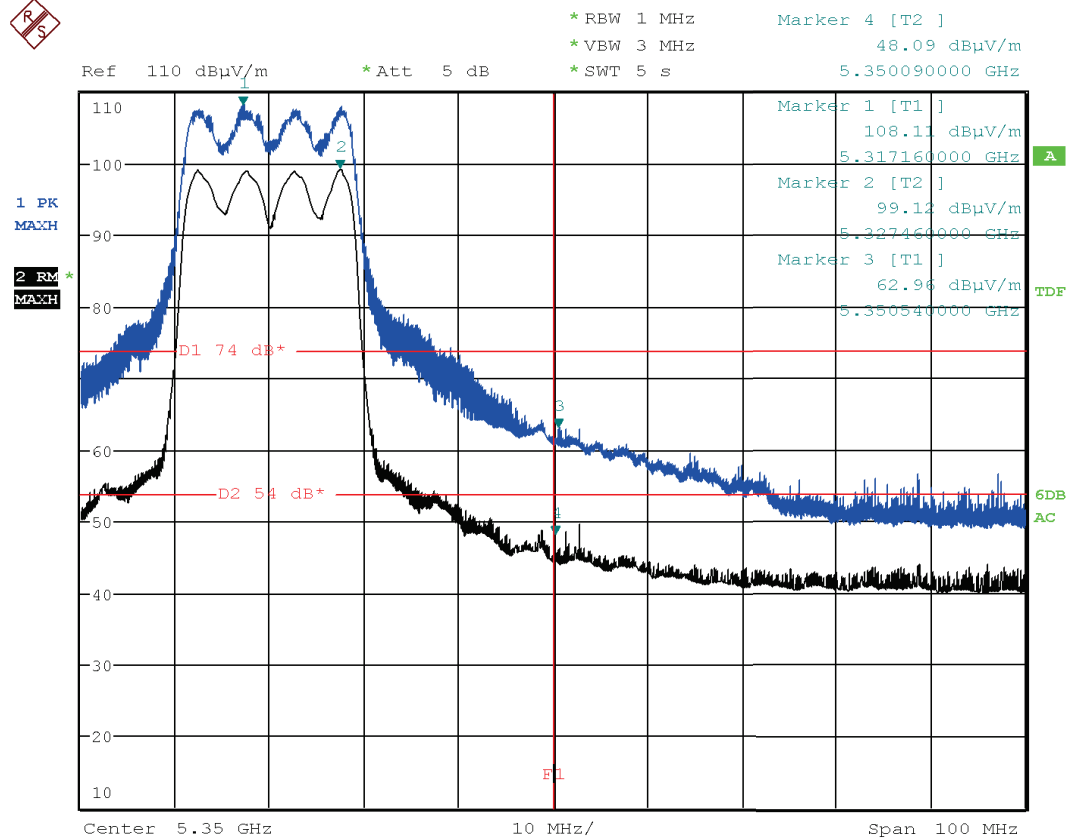
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



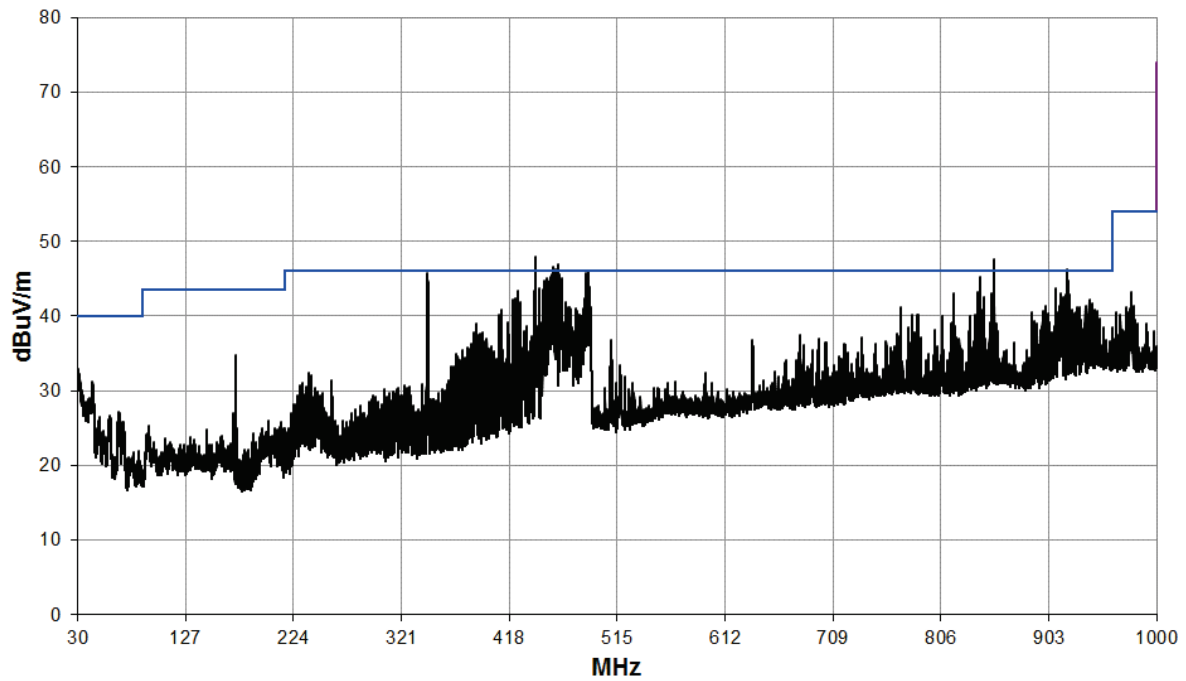
Band Edge



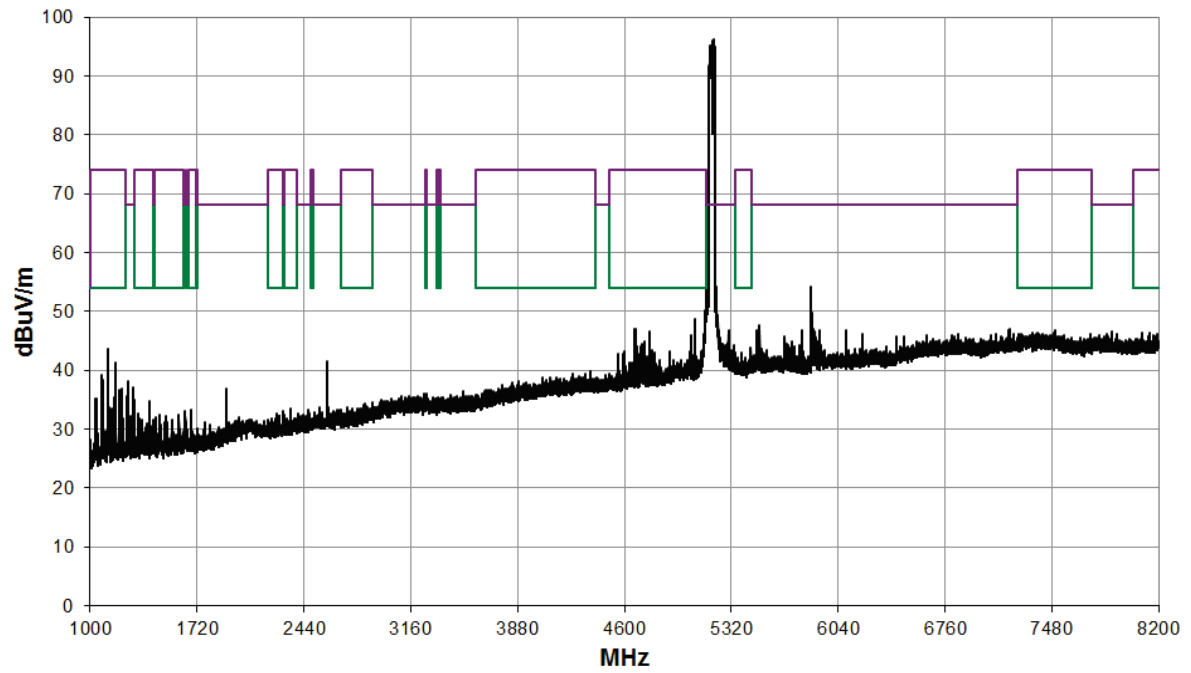
Date: 23.JUN.2020 16:04:05

SISO; Mode: 802.11ac40; Channel: CH38; Frequency: 5190 MHz; Bandwidth: 40 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	4767.0	19.2	5.4	33.4	0.0	0.0	58.0	0.0	794.3	5000
AV	4767.4	-3.4	5.4	33.4	0.0	0.0	35.4	0.0	58.9	500
PK	5859.9	14.1	6.0	35.6	0.0	0.0	55.7	0.0	609.5	2500
AV	15582.9	43.9	10.9	32.1	34.4	0.0	43.0	-9.5	141.3	500
PK	15583.0	57.2	10.9	32.1	34.4	0.0	56.3	-9.5	653.1	5000

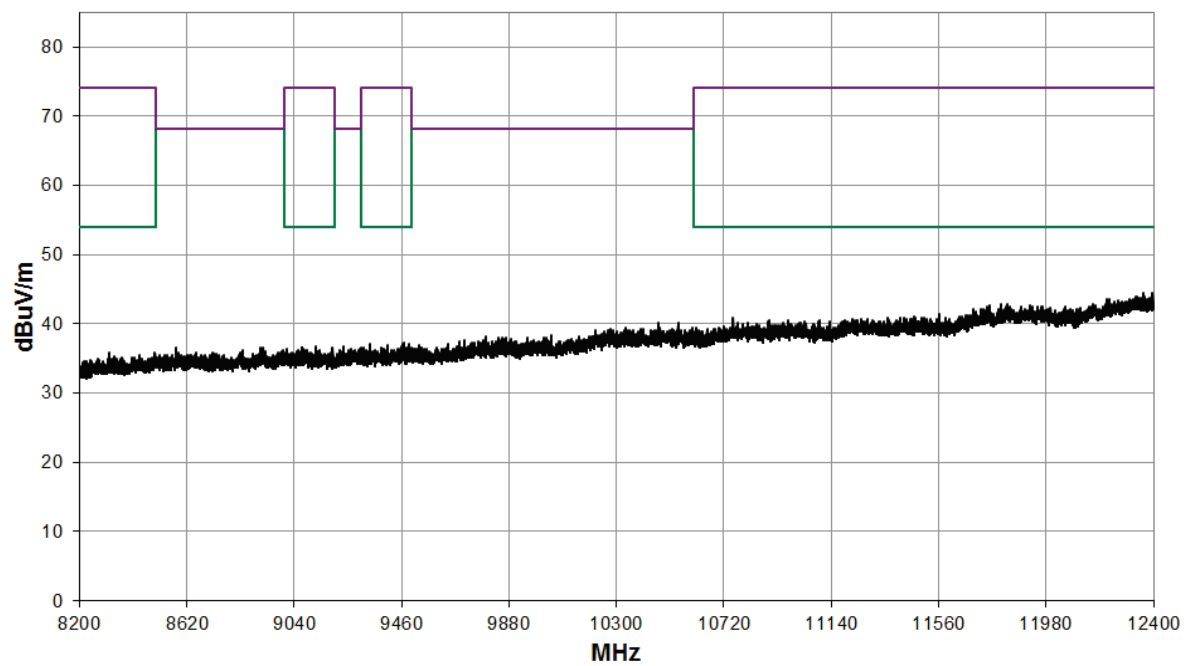
30 MHz to 1 GHz



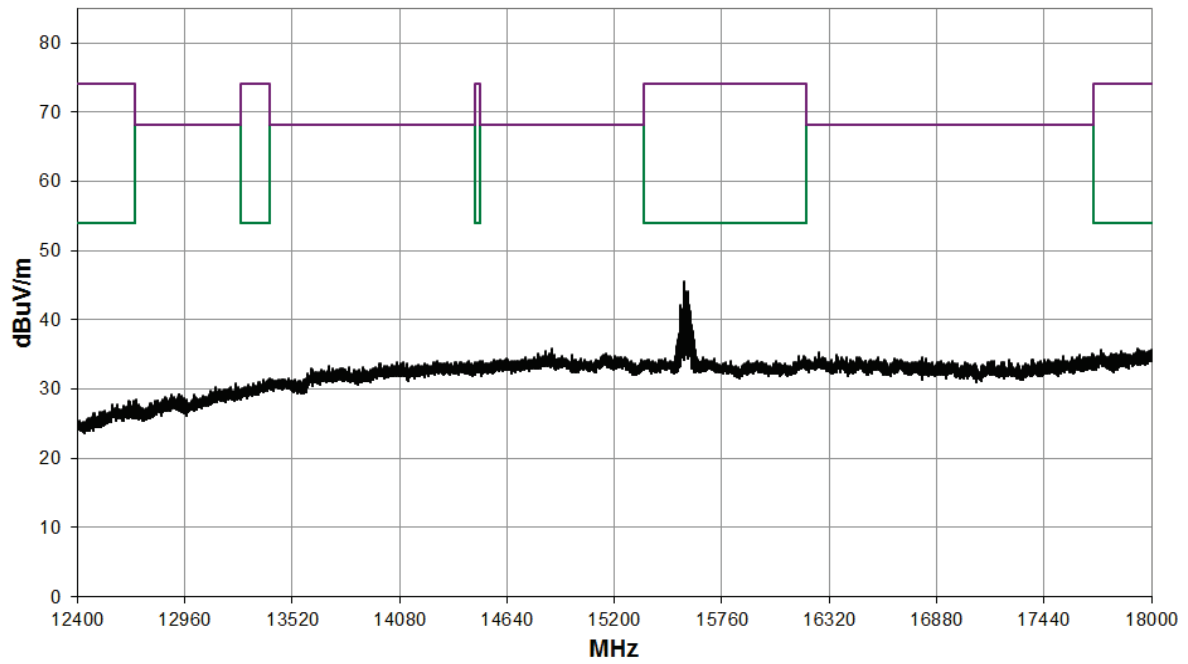
1 GHz to 8.2 GHz



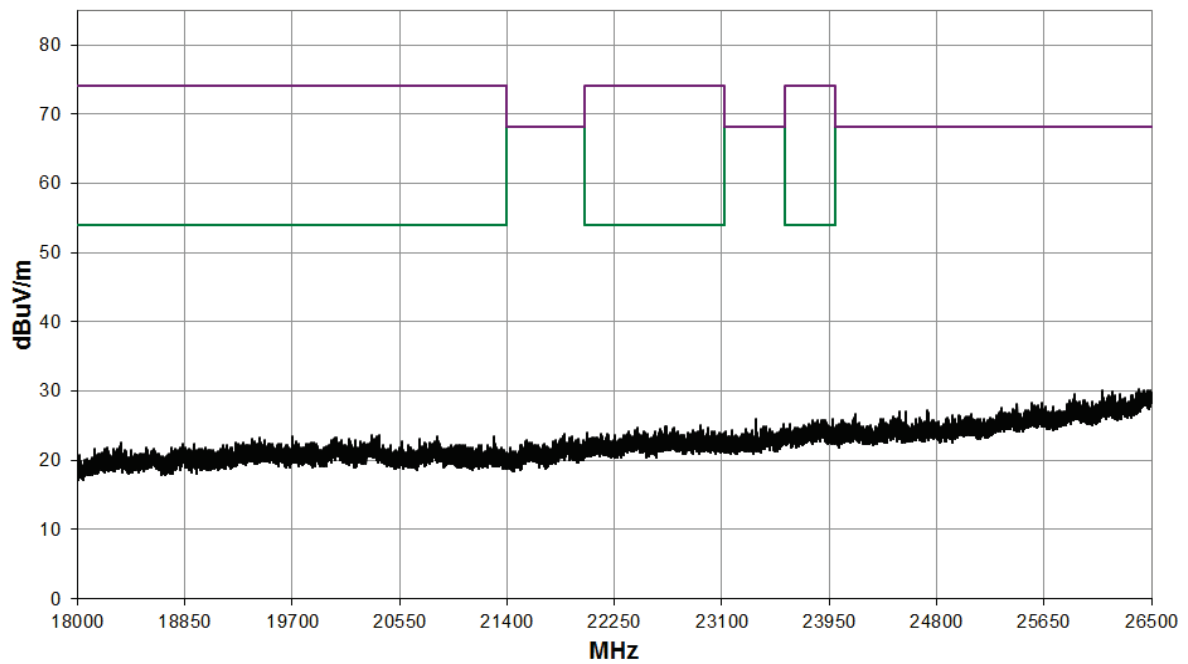
8.2 GHz to 12.4 GHz



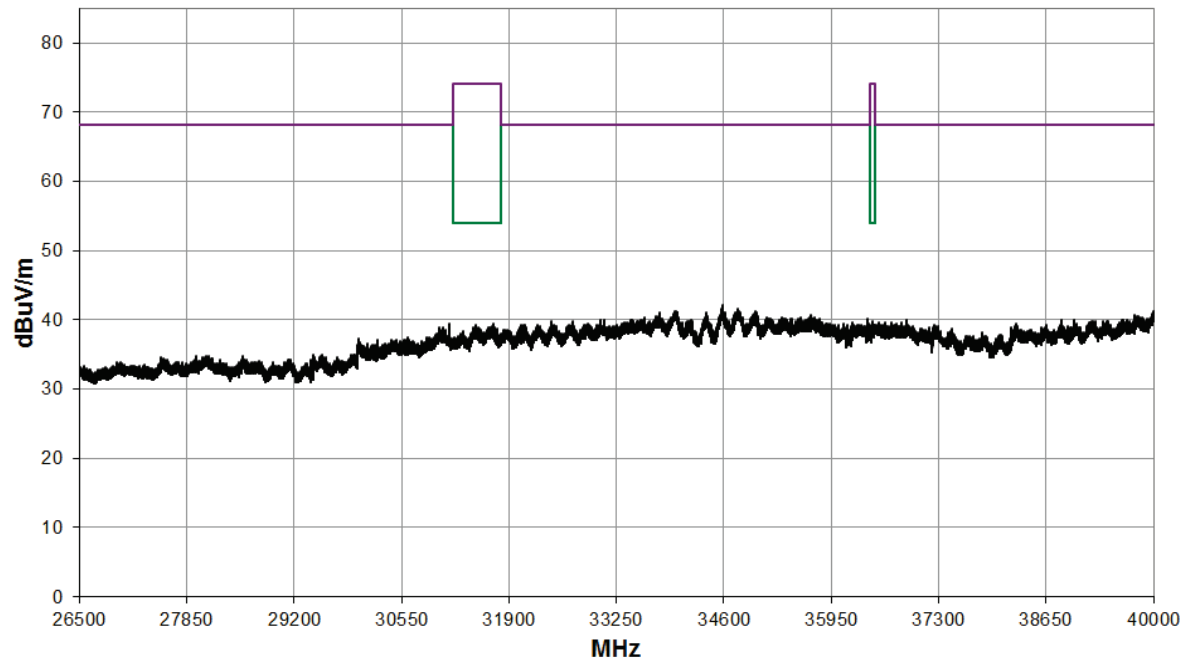
12.4 GHz to 18 GHz



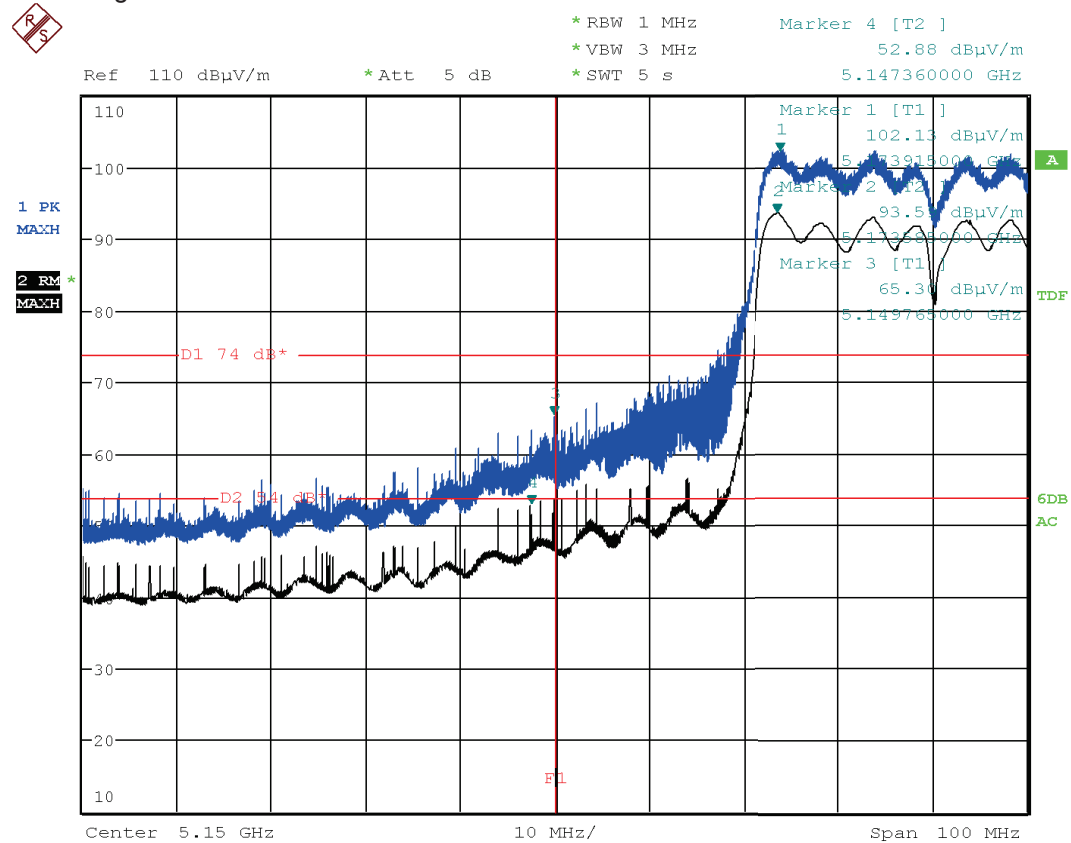
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



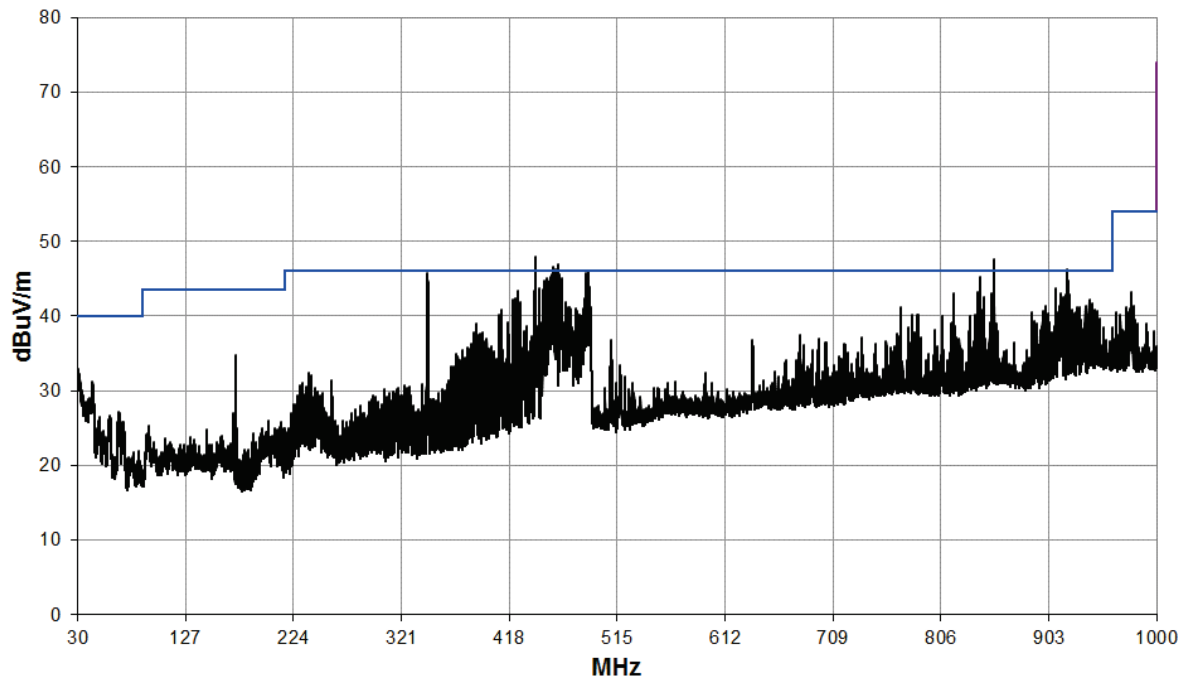
Band Edge



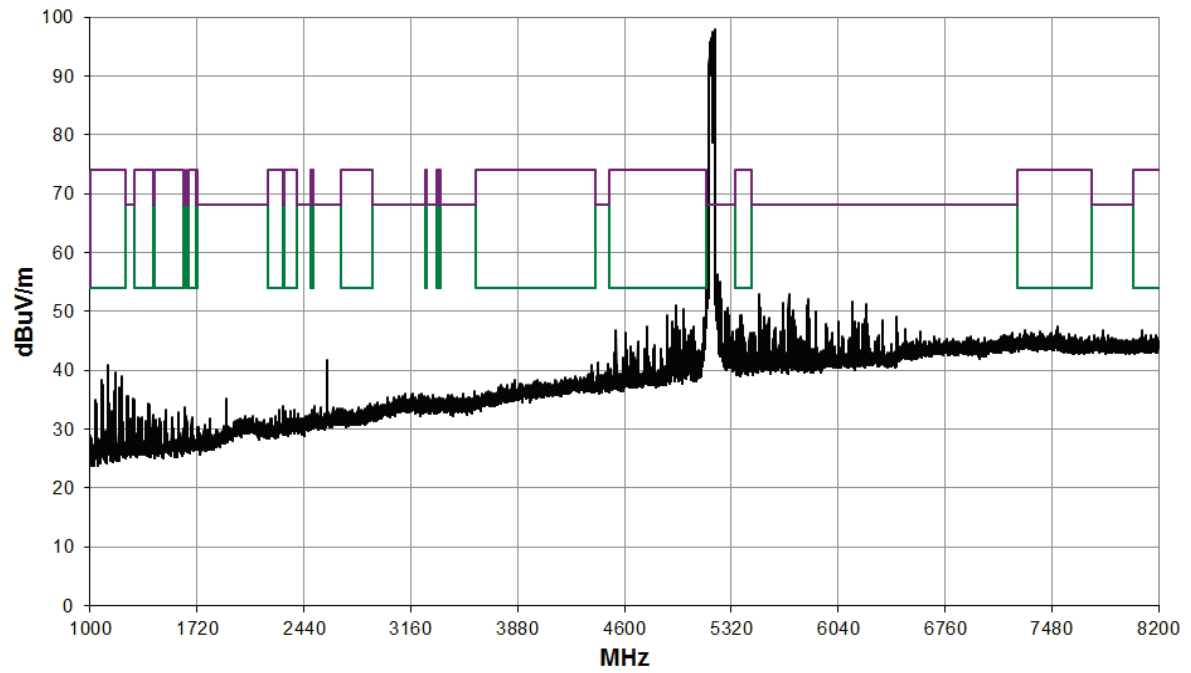
Date: 23.JUN.2020 15:54:37

SISO; Mode: 802.11ac40; Channel: CH38; Frequency: 5190 MHz; Bandwidth: 40 MHz; MCS Index: 9										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	4541.0	20.2	5.2	32.7	0.0	0.0	58.1	0.0	803.5	5000
PK	4997.1	23.1	5.5	33.3	0.0	0.0	61.9	0.0	1244.5	5000
AV	4999.9	-2.3	5.5	33.3	0.0	0.0	36.5	0.0	66.8	500
PK	5708.5	18.7	6.0	35.1	0.0	0.0	59.8	0.0	977.2	2500
AV	15582.7	43.2	10.9	32.1	34.4	0.0	42.3	-9.5	130.3	500
PK	15583.0	56.2	10.9	32.1	34.4	0.0	55.3	-9.5	582.1	5000

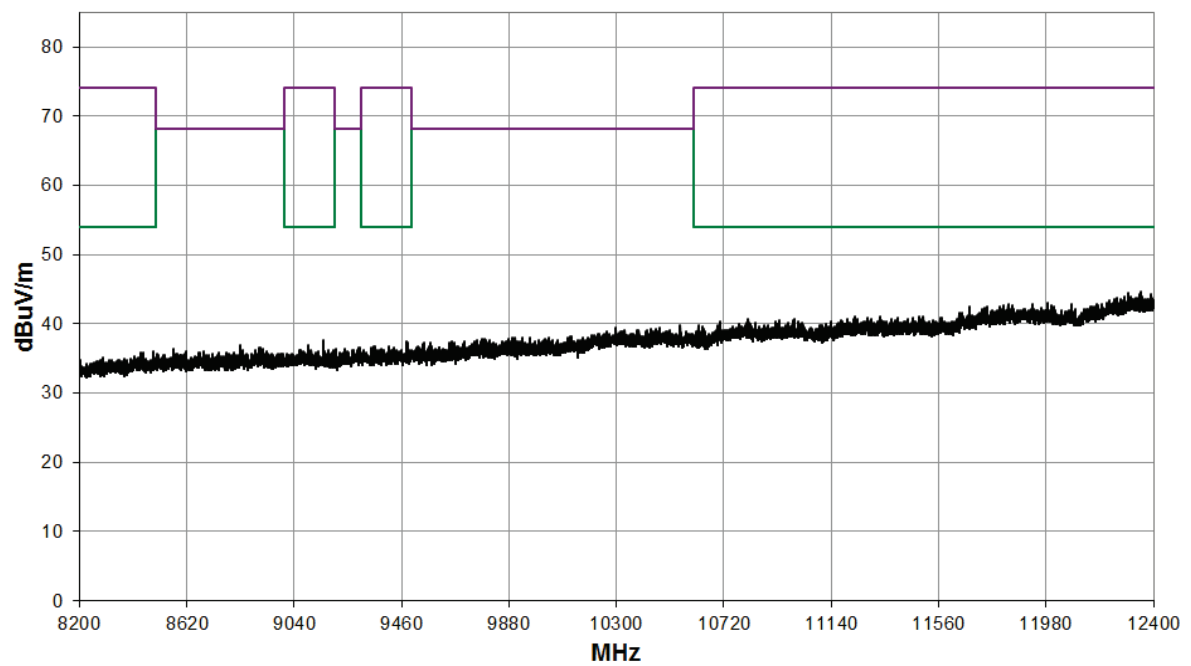
30 MHz to 1 GHz



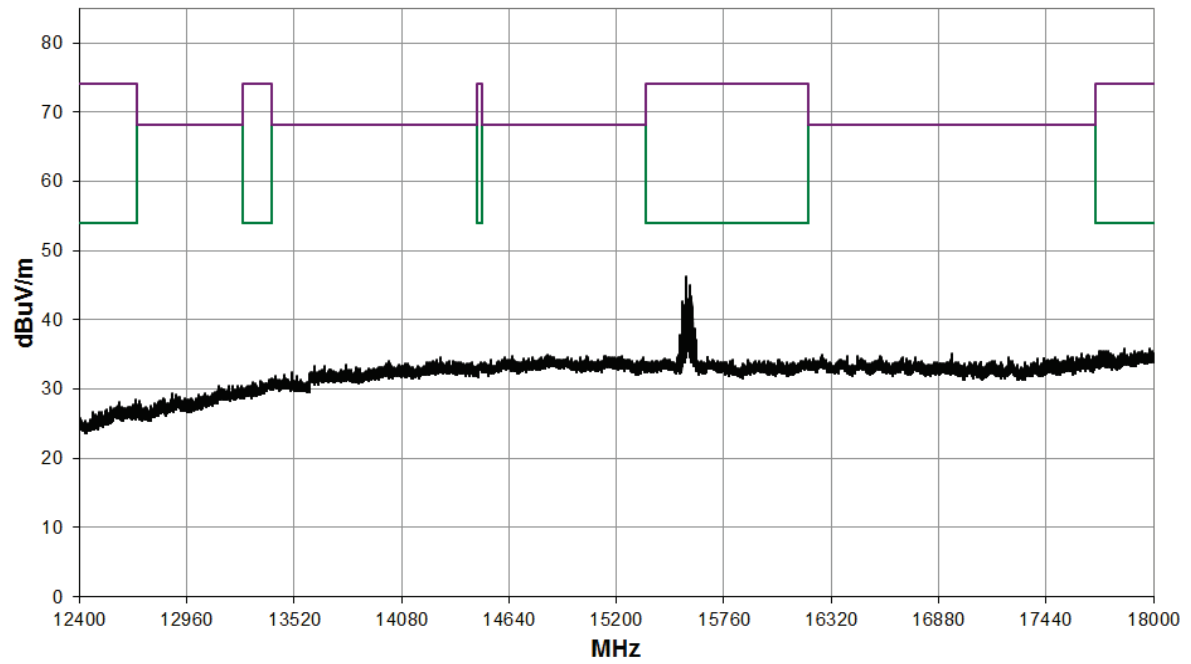
1 GHz to 8.2 GHz



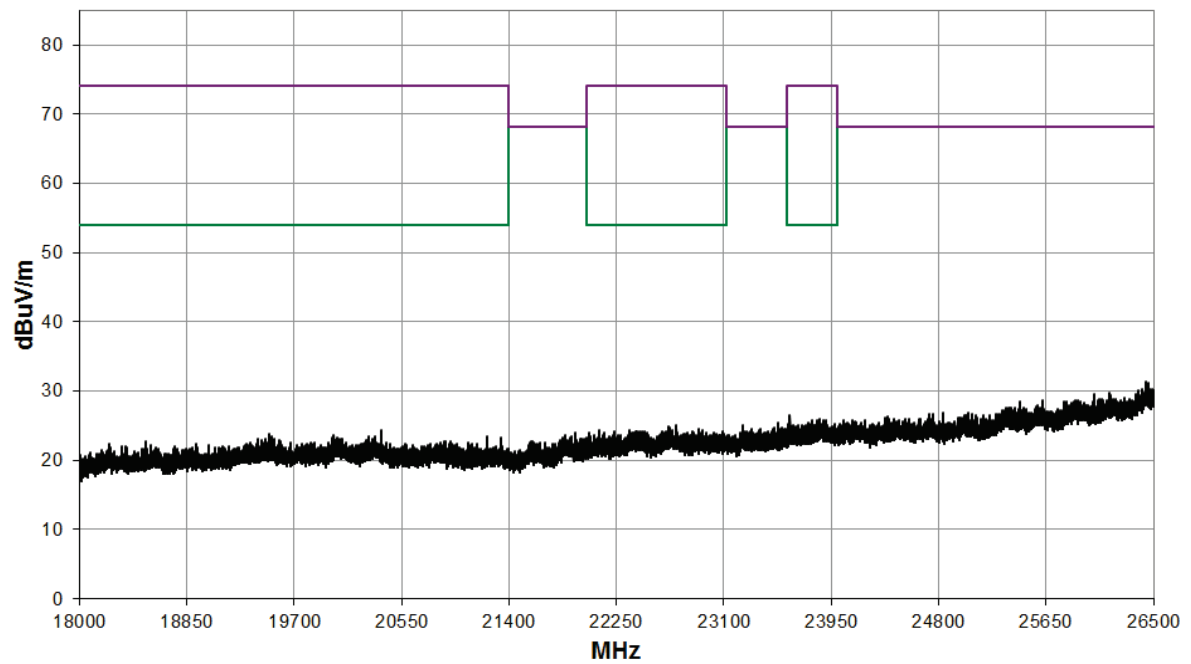
8.2 GHz to 12.4 GHz



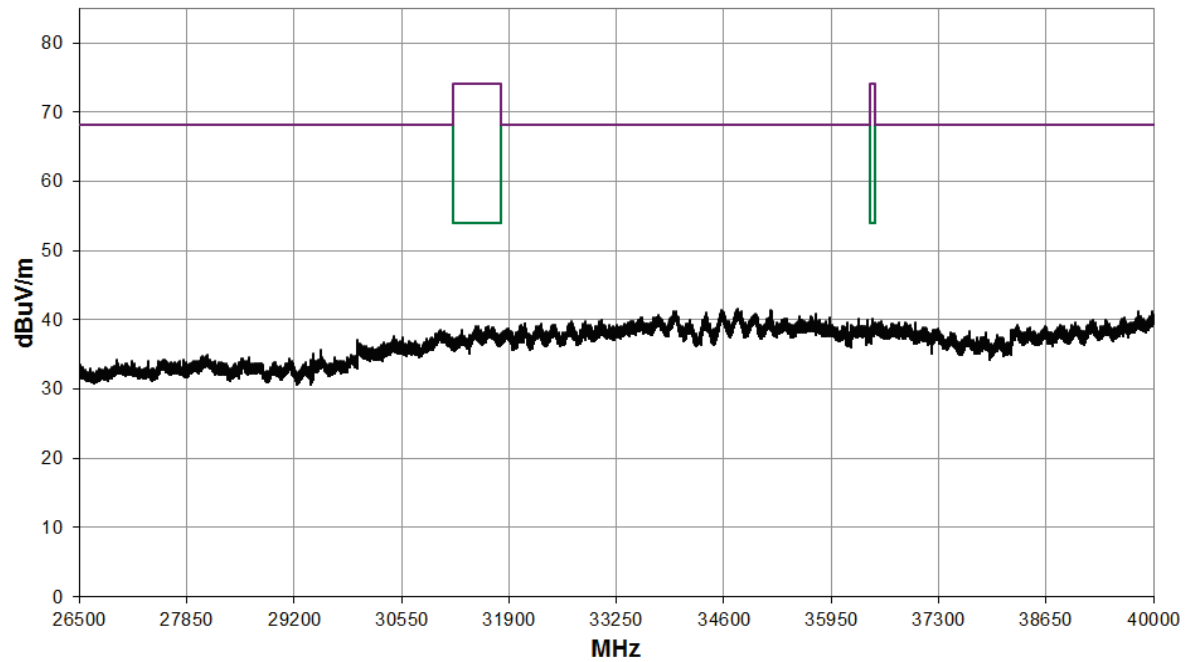
12.4 GHz to 18 GHz



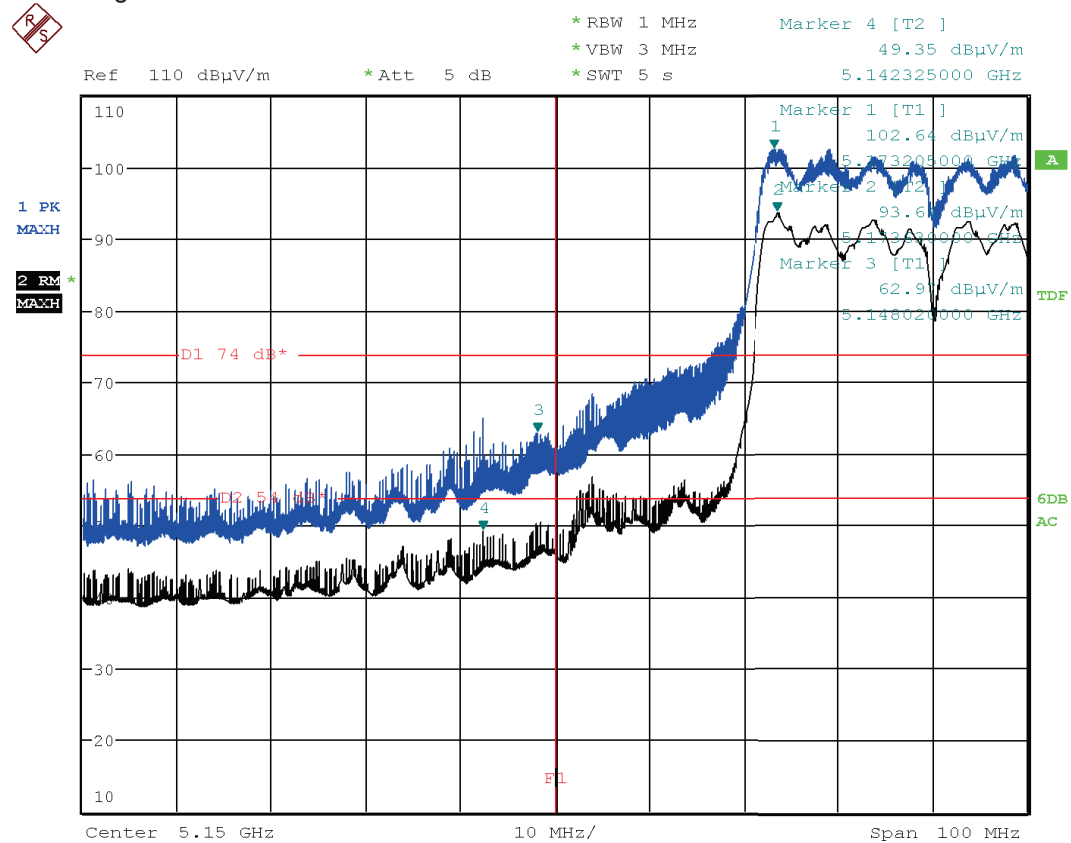
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



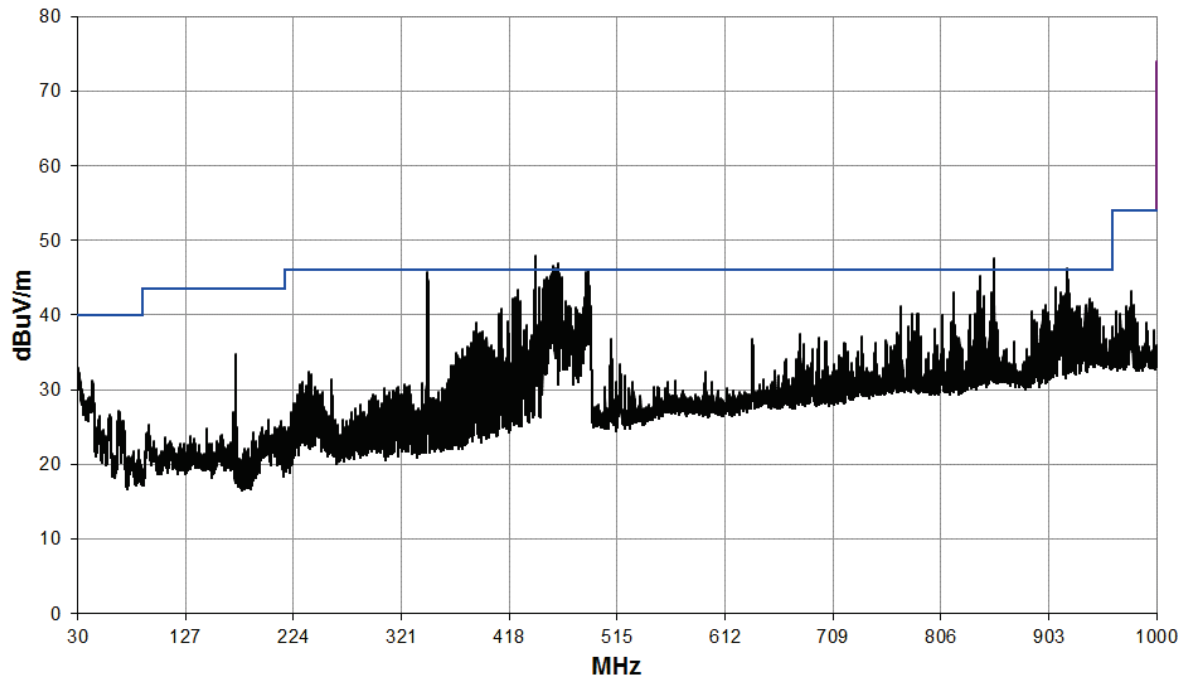
Band Edge



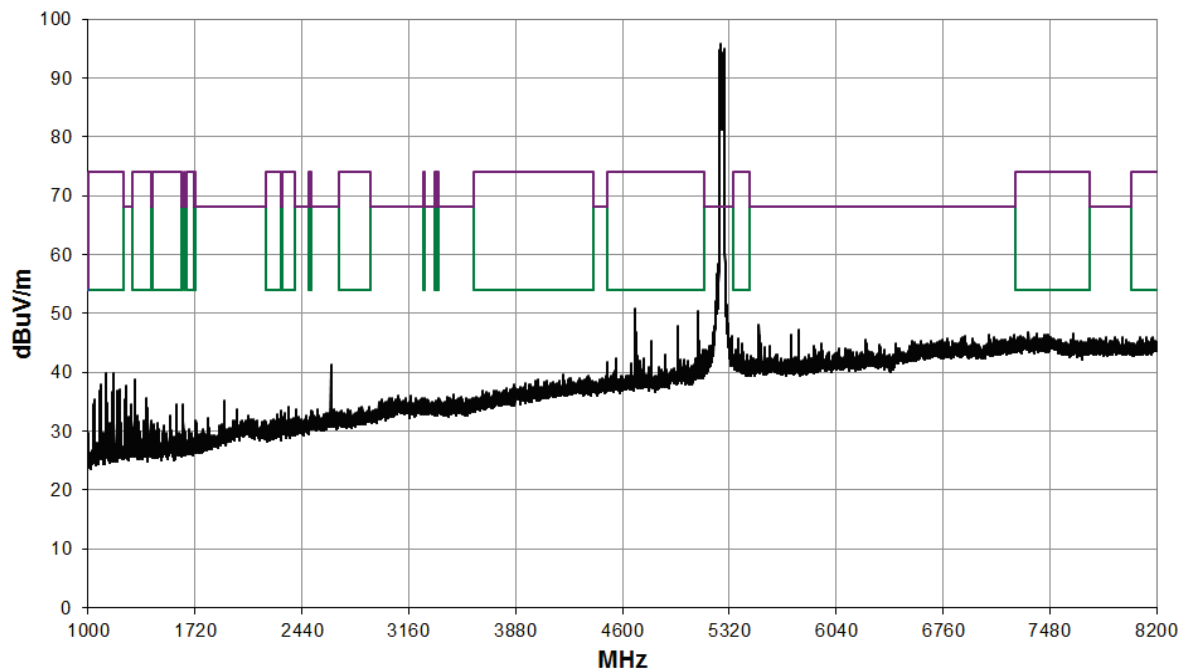
Date: 23.JUN.2020 15:55:54

SISO; Mode: 802.11ac40; Channel: CH54; Frequency: 5270 MHz; Bandwidth: 40 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	4972.1	19.6	5.5	33.3	0.0	0.0	58.4	0.0	831.8	5000
PK	5110.3	18.8	5.6	33.6	0.0	0.0	58.0	0.0	794.3	5000
AV	5112.2	-0.7	5.6	33.6	0.0	0.0	38.5	0.0	84.1	500
AV	15813.0	37.3	11.0	32.2	34.6	0.0	36.4	-9.5	66.1	500

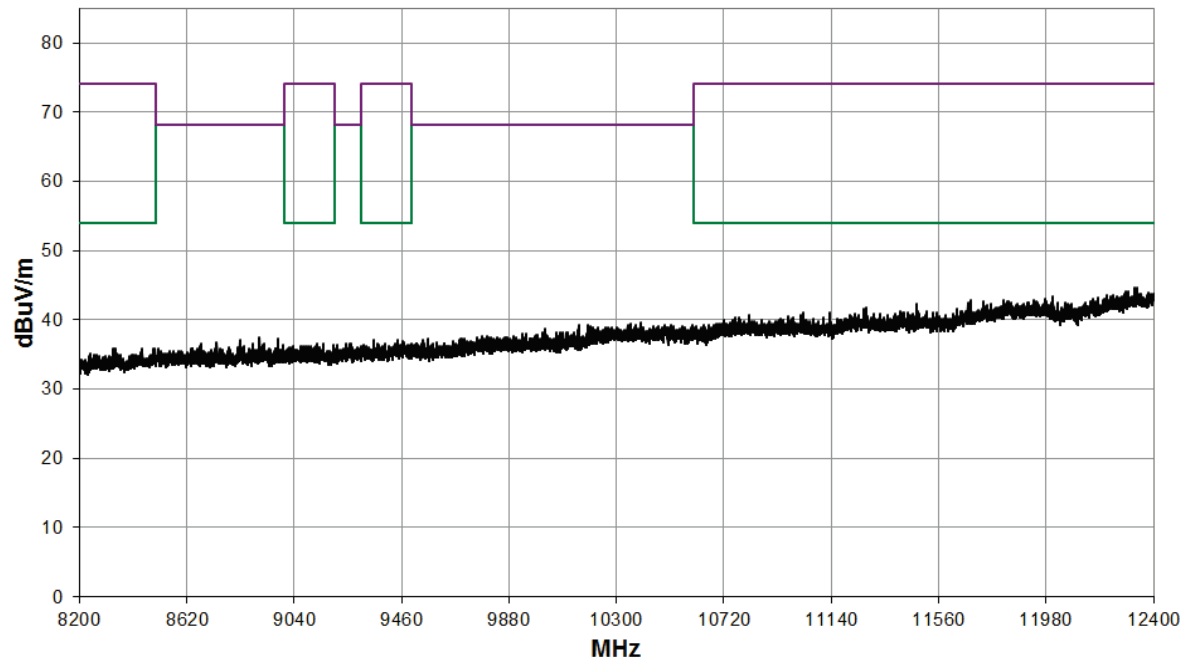
30 MHz to 1 GHz



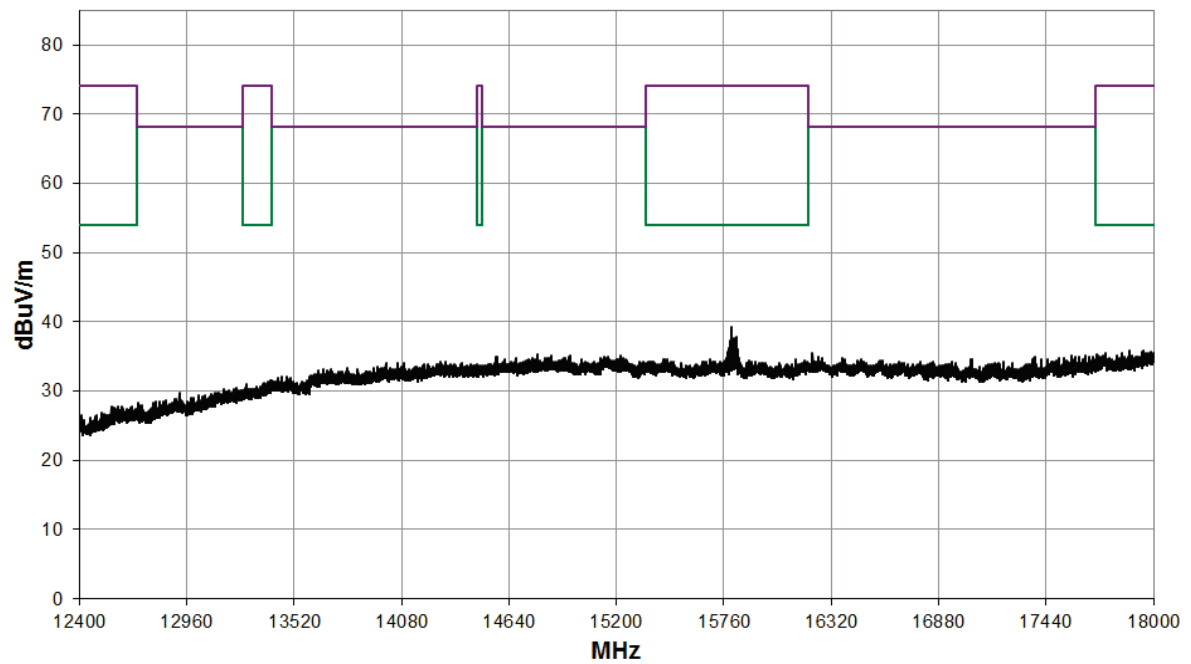
1 GHz to 8.2 GHz



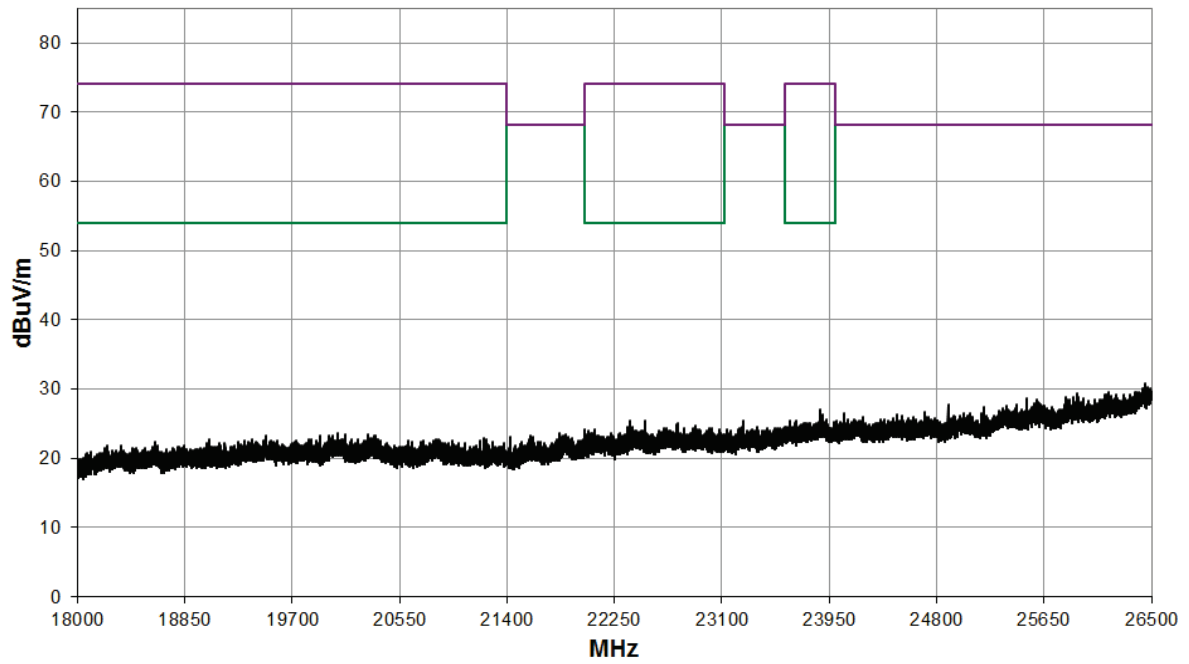
8.2 GHz to 12.4 GHz



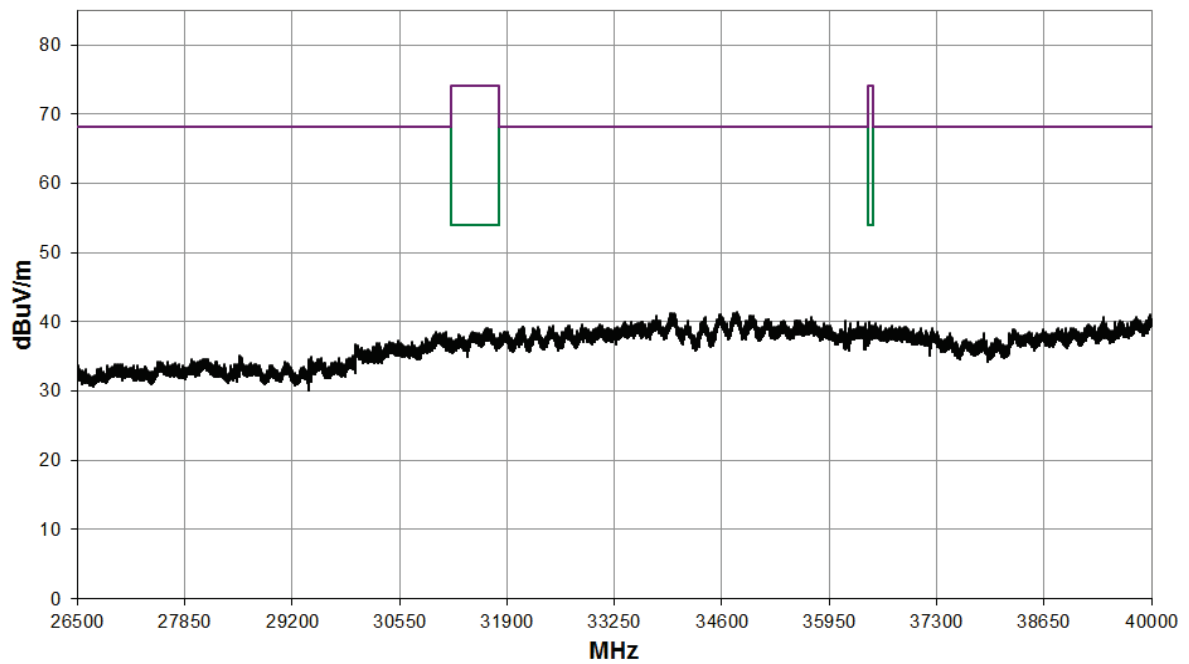
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

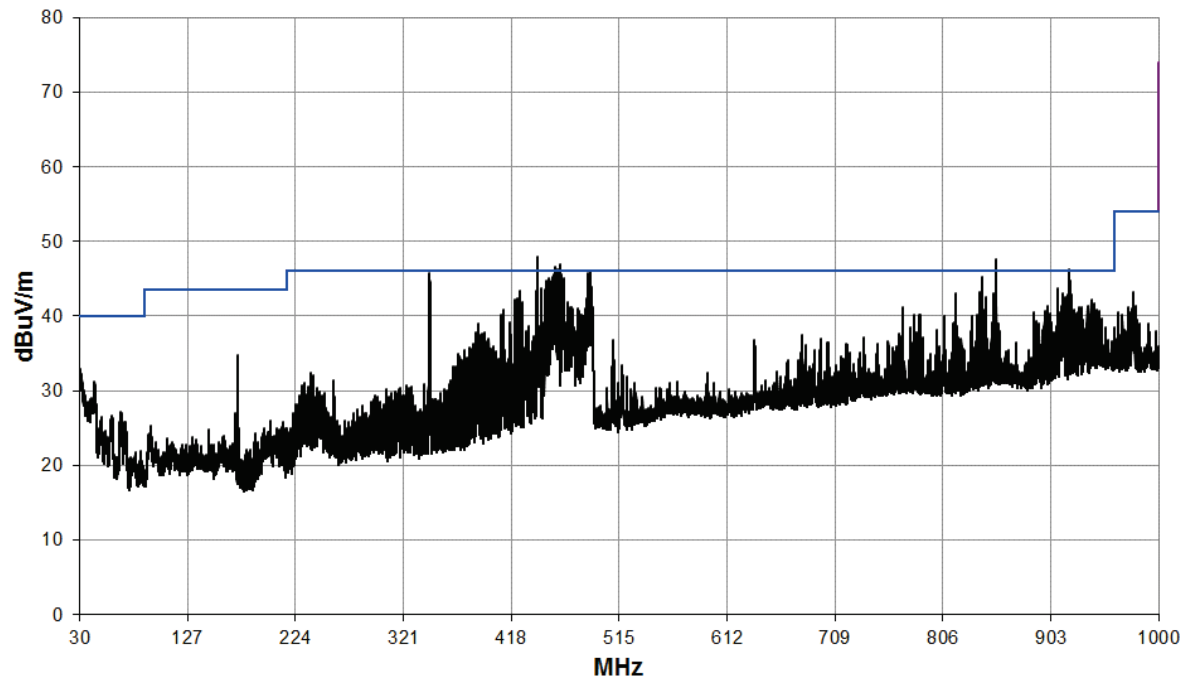


26.5 GHz to 40 GHz

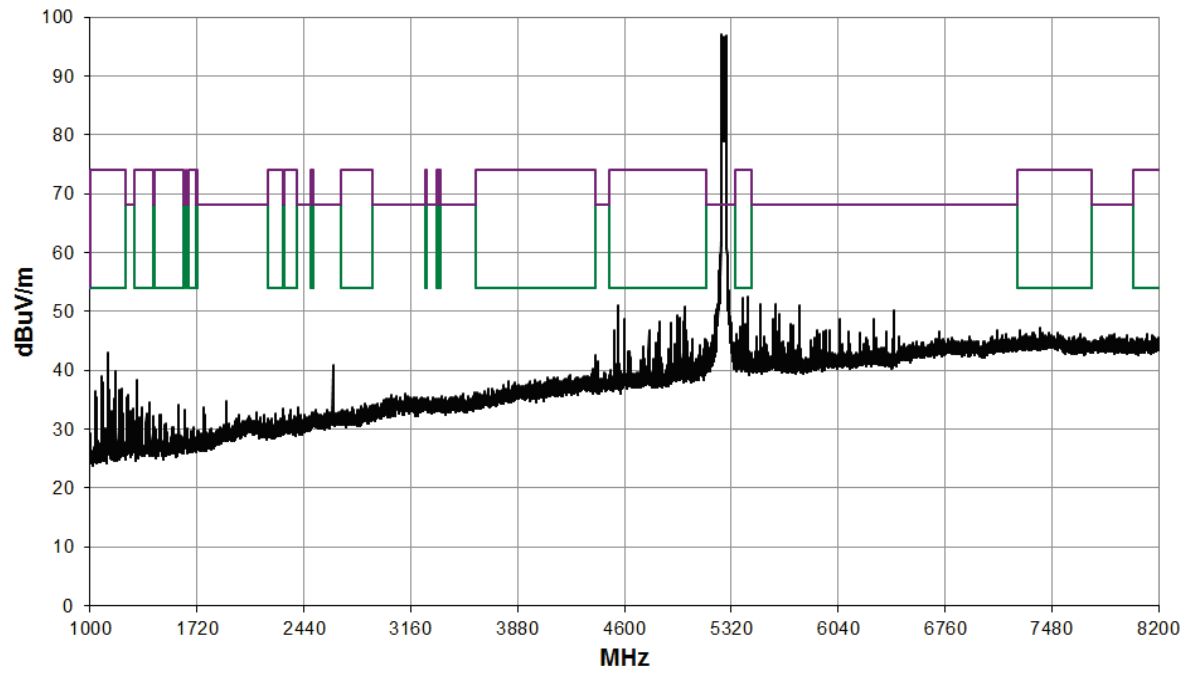


SISO; Mode: 802.11ac40; Channel: CH54; Frequency: 5270 MHz; Bandwidth: 40 MHz; MCS Index: 9										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	4557.2	17.5	5.2	32.8	0.0	0.0	55.5	0.0	595.7	5000
AV	4829.6	-4.3	5.4	33.3	0.0	0.0	34.4	0.0	52.5	500
PK	4831.7	17.2	5.4	33.3	0.0	0.0	55.9	0.0	623.7	5000
PK	5000.5	19.9	5.5	33.3	0.0	0.0	58.7	0.0	861.0	5000
AV	5002.3	-2.9	5.5	33.3	0.0	0.0	35.9	0.0	62.4	500
AV	5426.0	-3.0	5.8	34.7	0.0	0.0	37.5	0.0	75.0	500
AV	5427.5	-3.8	5.8	34.7	0.0	0.0	36.7	0.0	68.4	500
PK	5427.7	20.2	5.8	34.7	0.0	0.0	60.7	0.0	1084.0	5000
AV	15818.7	36.5	11.0	32.2	34.6	0.0	35.6	-9.5	60.3	500

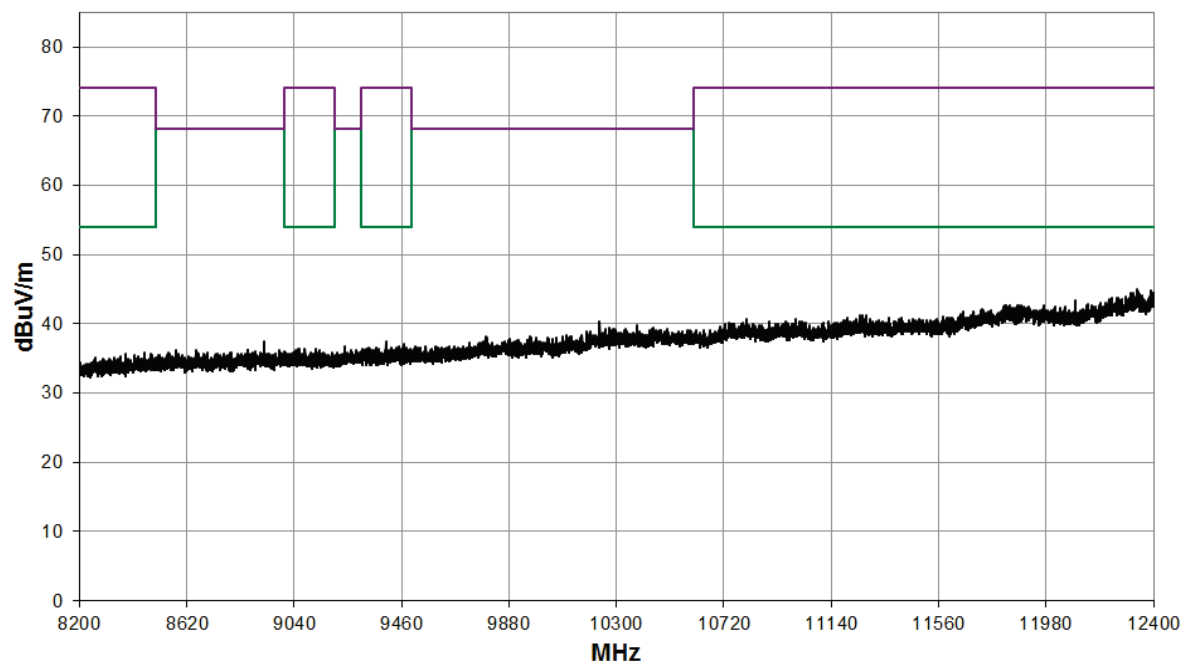
30 MHz to 1 GHz



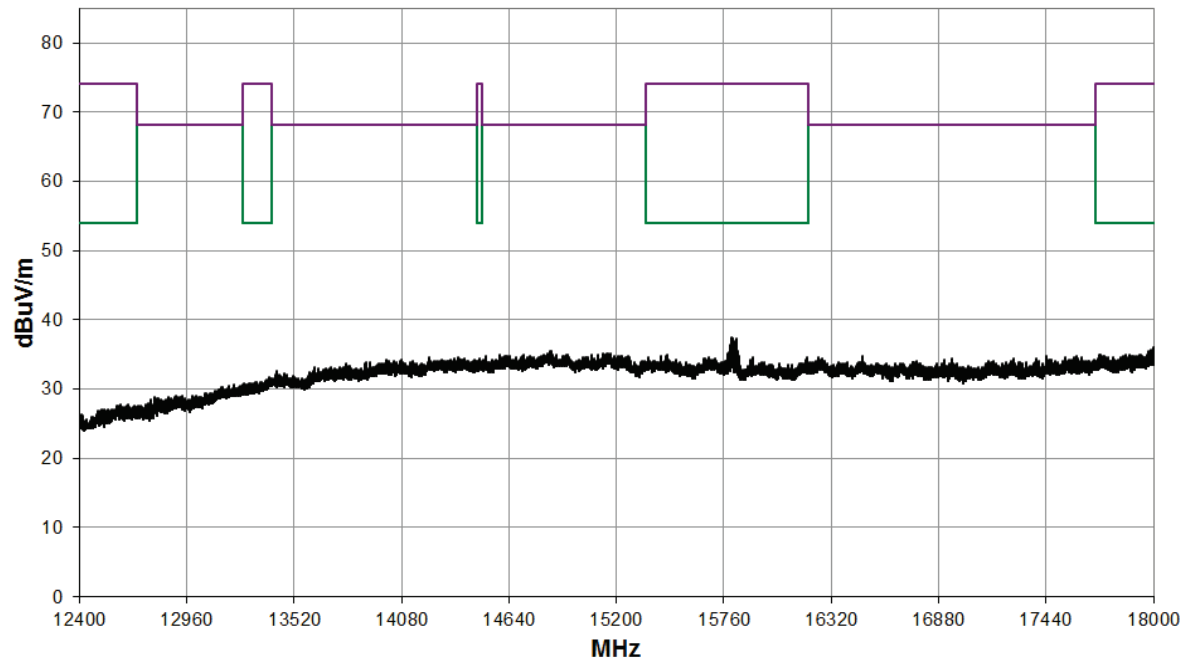
1 GHz to 8.2 GHz



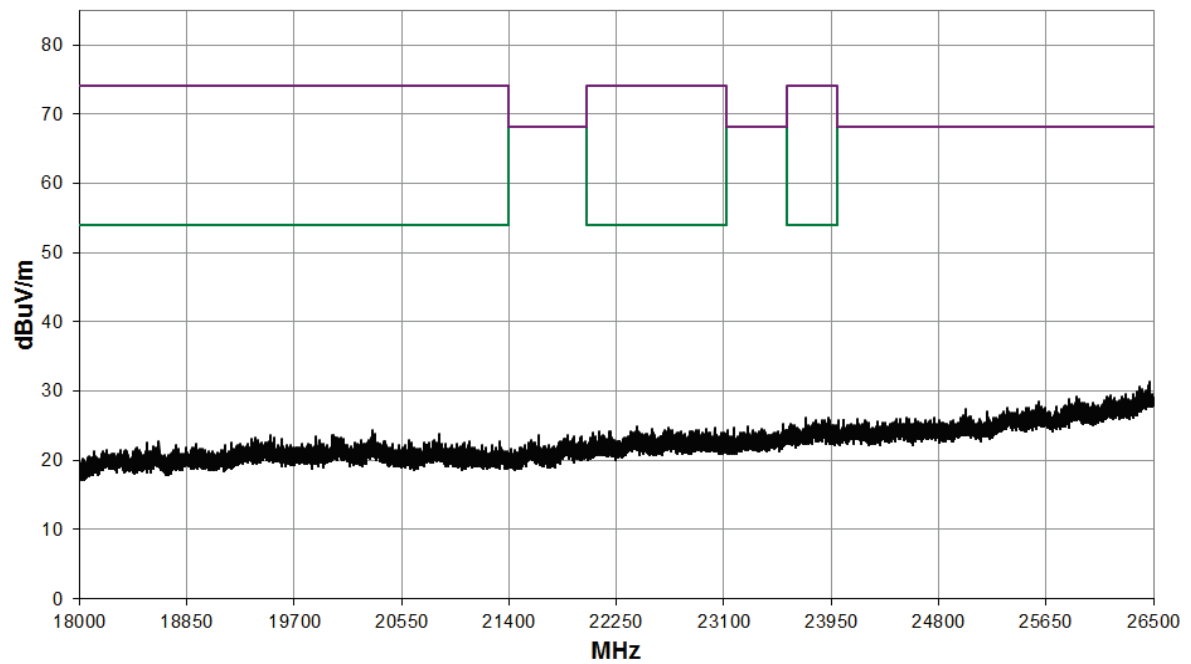
8.2 GHz to 12.4 GHz



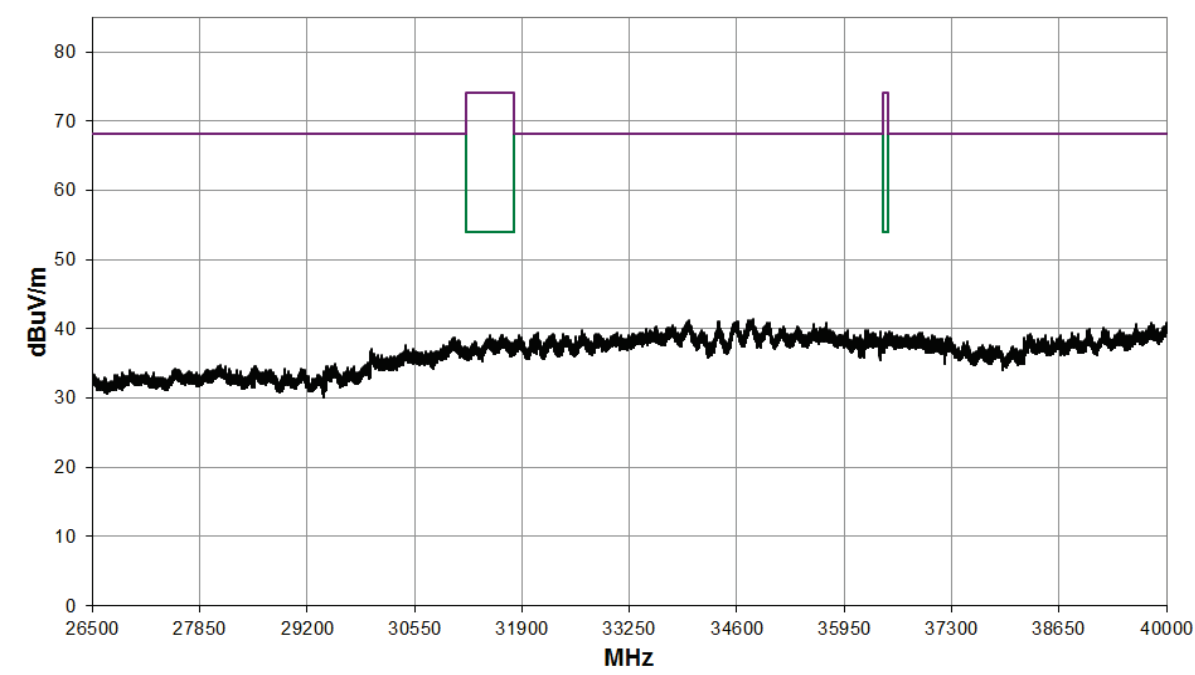
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

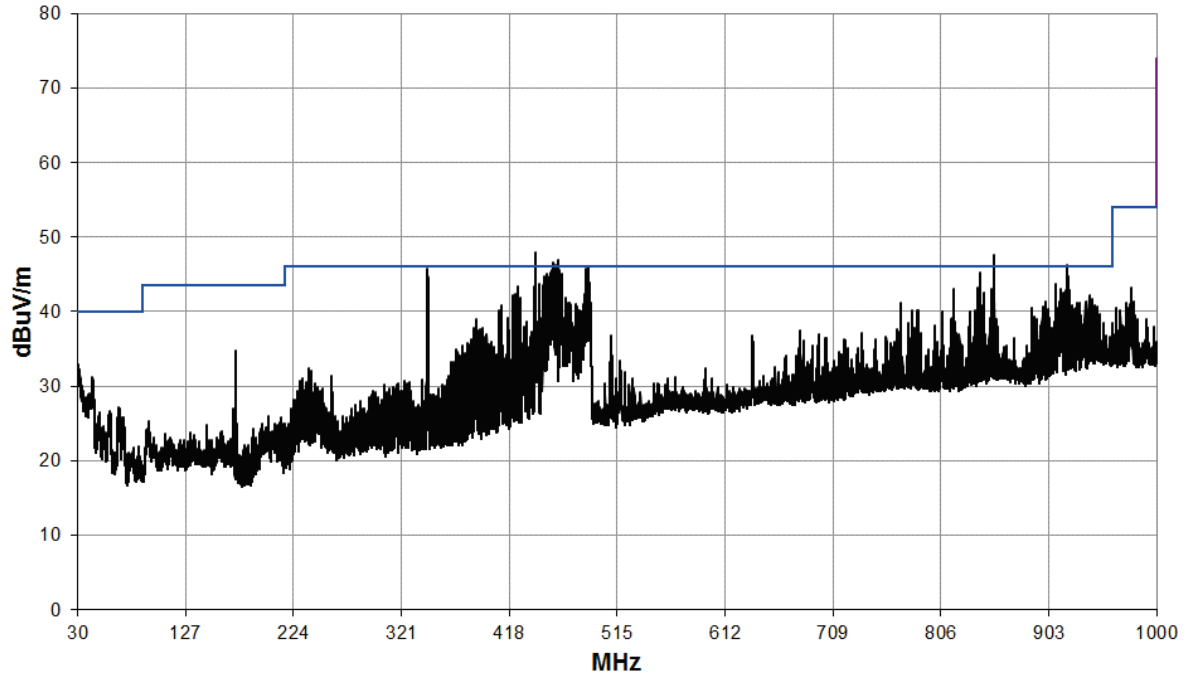


26.5 GHz to 40 GHz

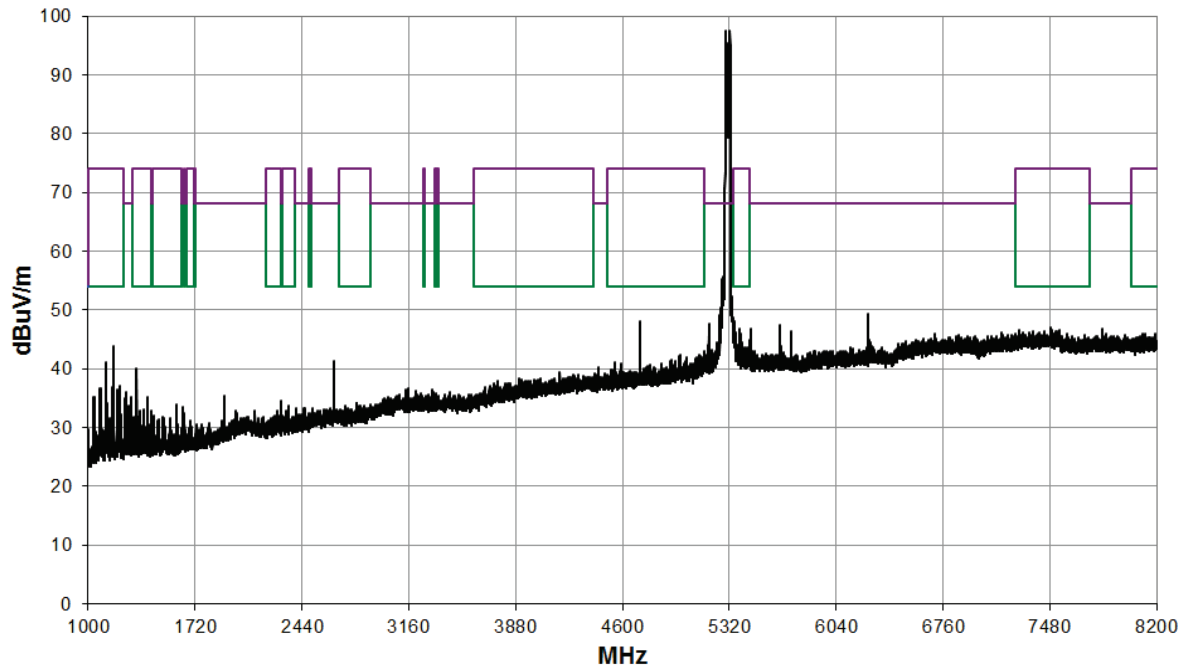


SISO; Mode: 802.11ac40; Channel: CH62; Frequency: 5310 MHz; Bandwidth: 40 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	4716.0	-4.2	5.3	33.3	0.0	0.0	34.4	0.0	52.5	500
AV	15950.0	35.8	11.1	32.2	34.7	0.0	34.9	-9.5	55.6	500

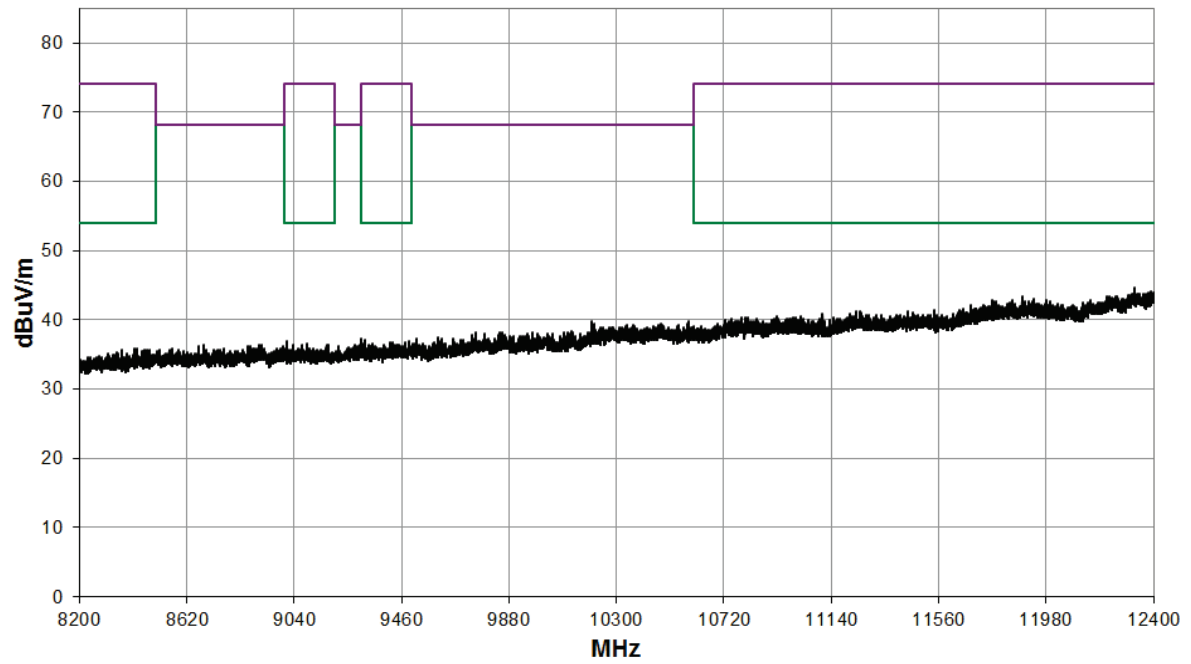
30 MHz to 1 GHz



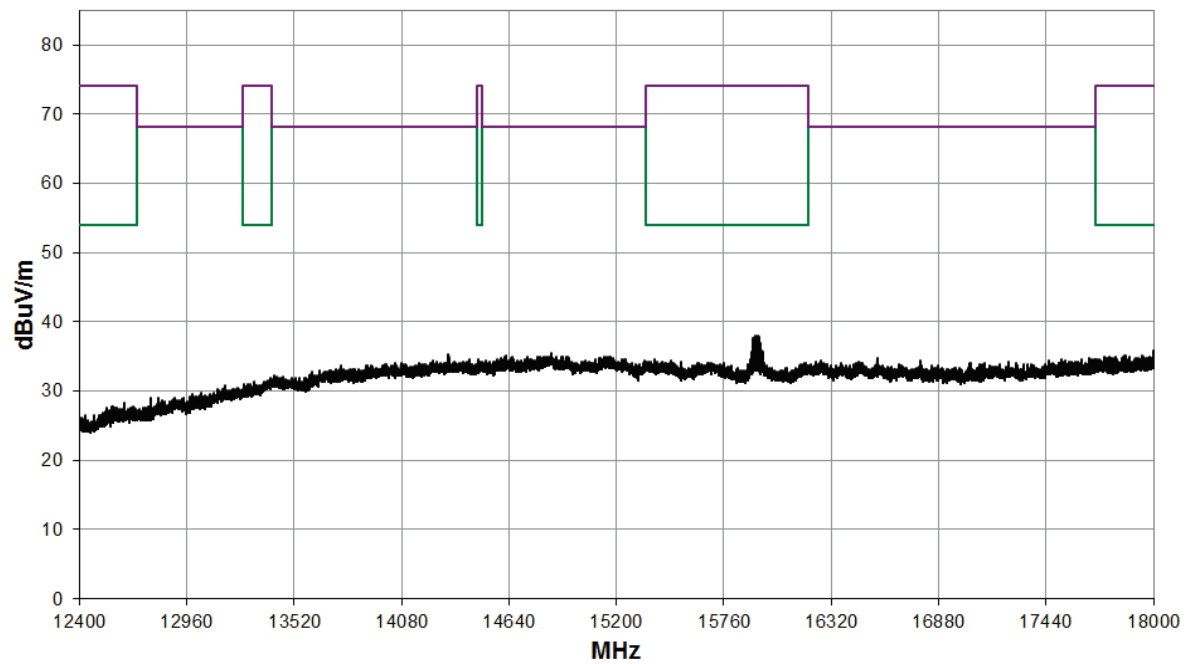
1 GHz to 8.2 GHz



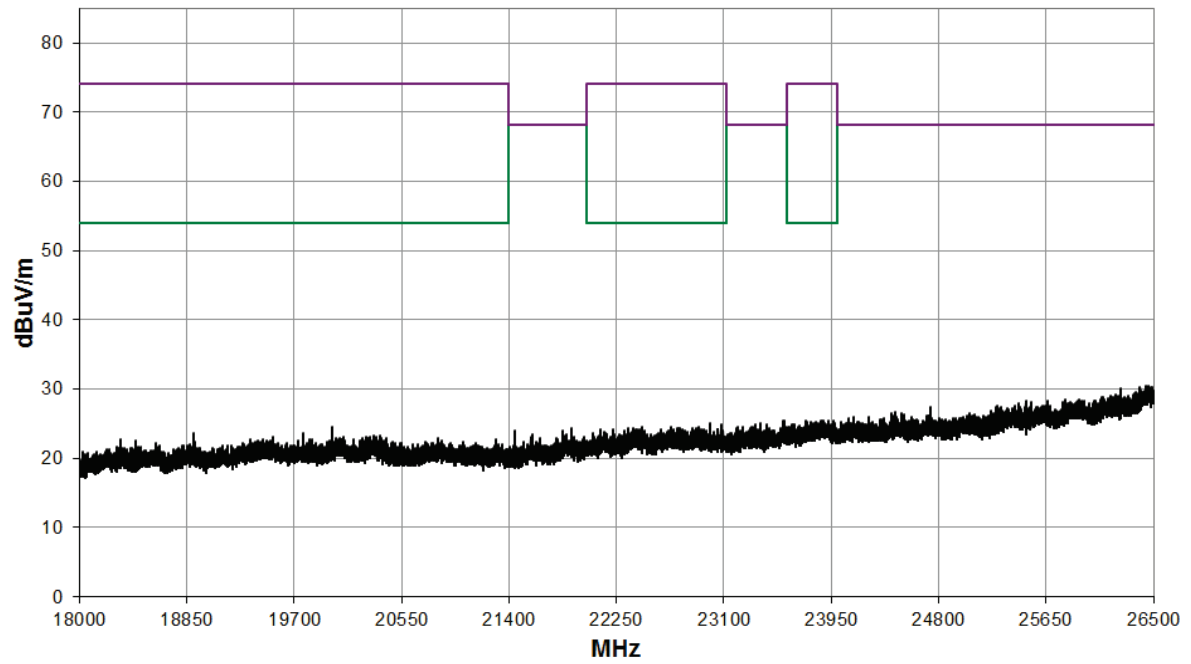
8.2 GHz to 12.4 GHz



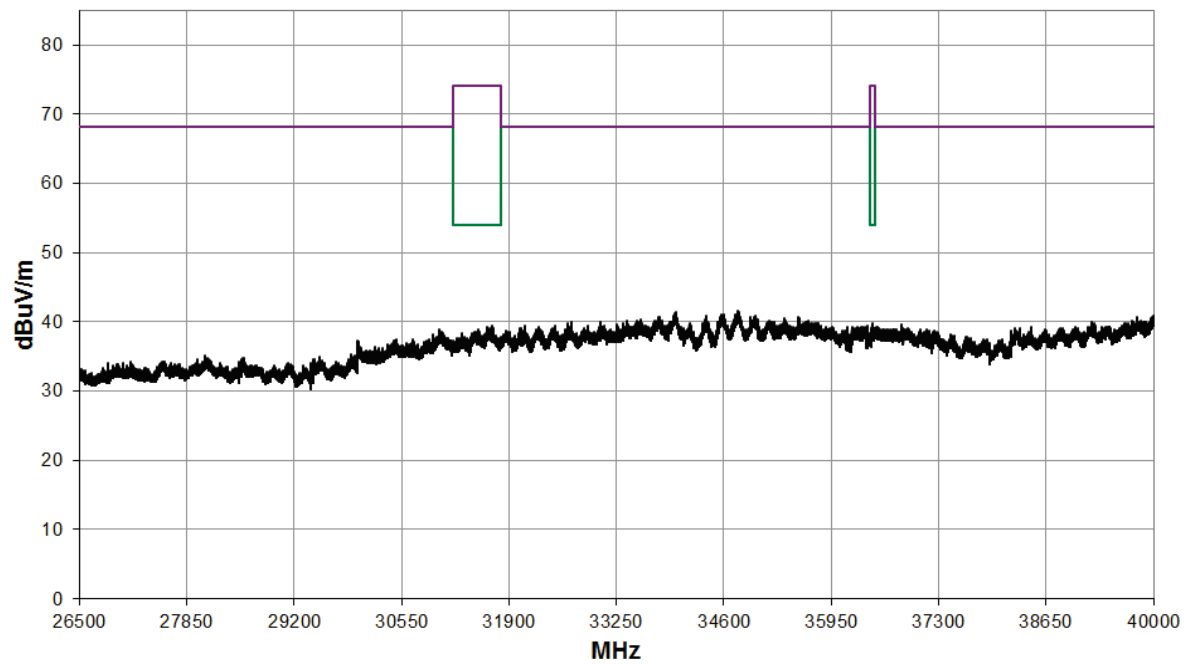
12.4 GHz to 18 GHz



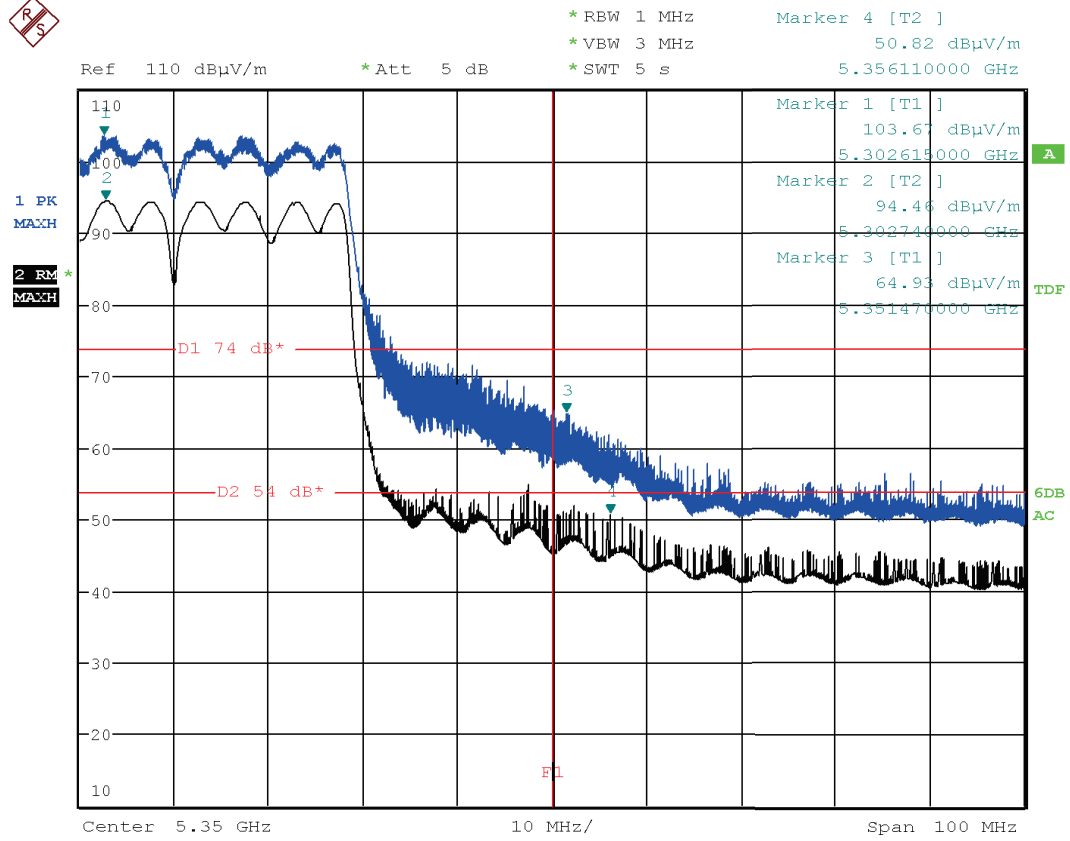
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



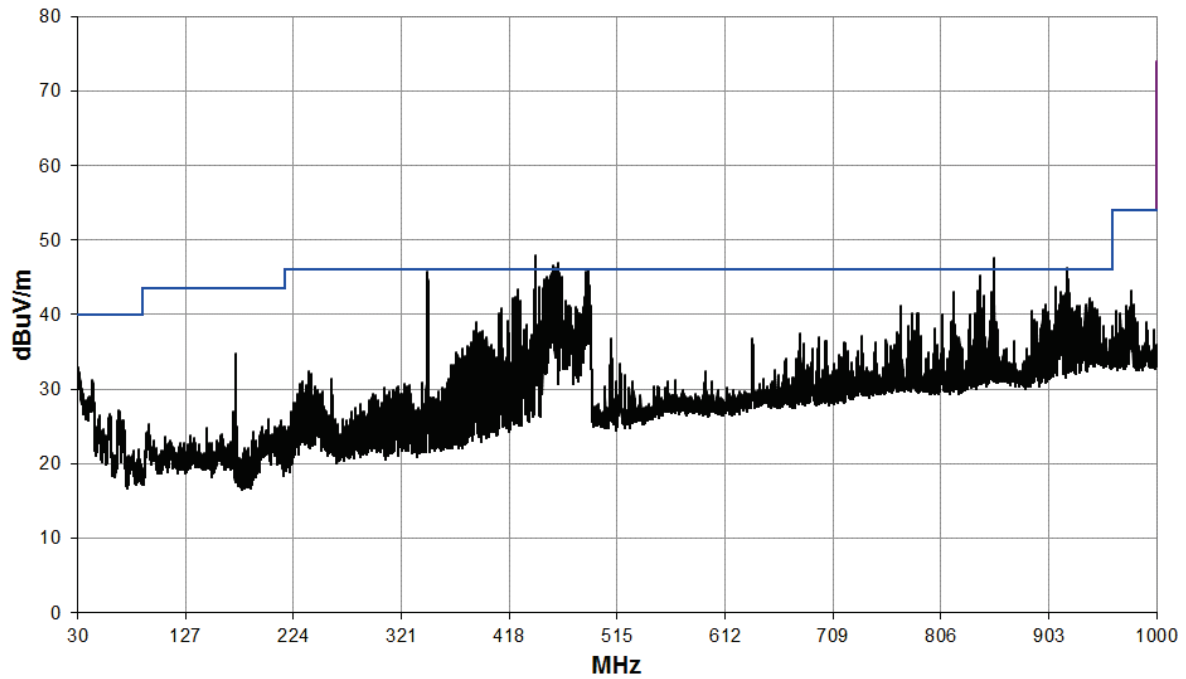
Band Edge



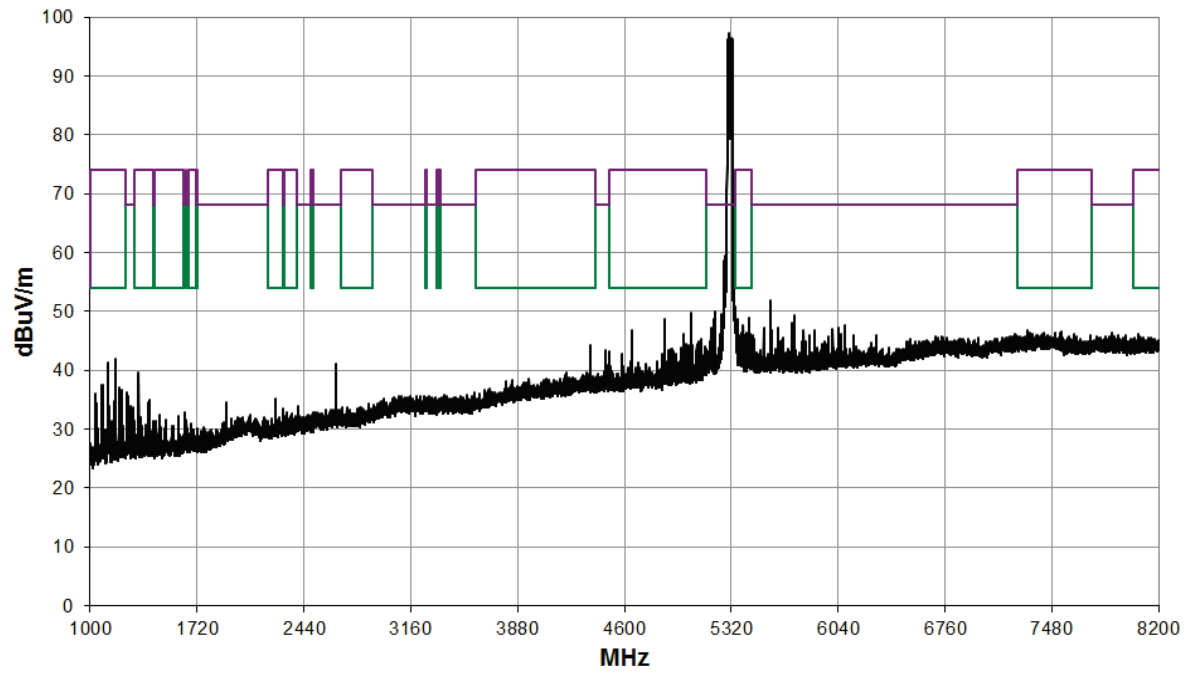
Date: 23.JUN.2020 16:01:25

SISO; Mode: 802.11ac40; Channel: CH62; Frequency: 5310 MHz; Bandwidth: 40 MHz; MCS Index: 9										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	4654.5	19.5	5.3	33.1	0.0	0.0	57.9	0.0	785.2	5000
PK	5054.3	22.1	5.5	33.3	0.0	0.0	60.9	0.0	1109.2	5000
PK	5583.0	19.4	5.9	35.0	0.0	0.0	60.2	0.0	1023.3	5000
AV	15926.2	38.2	11.1	32.2	34.7	0.0	37.3	0.0	73.3	500

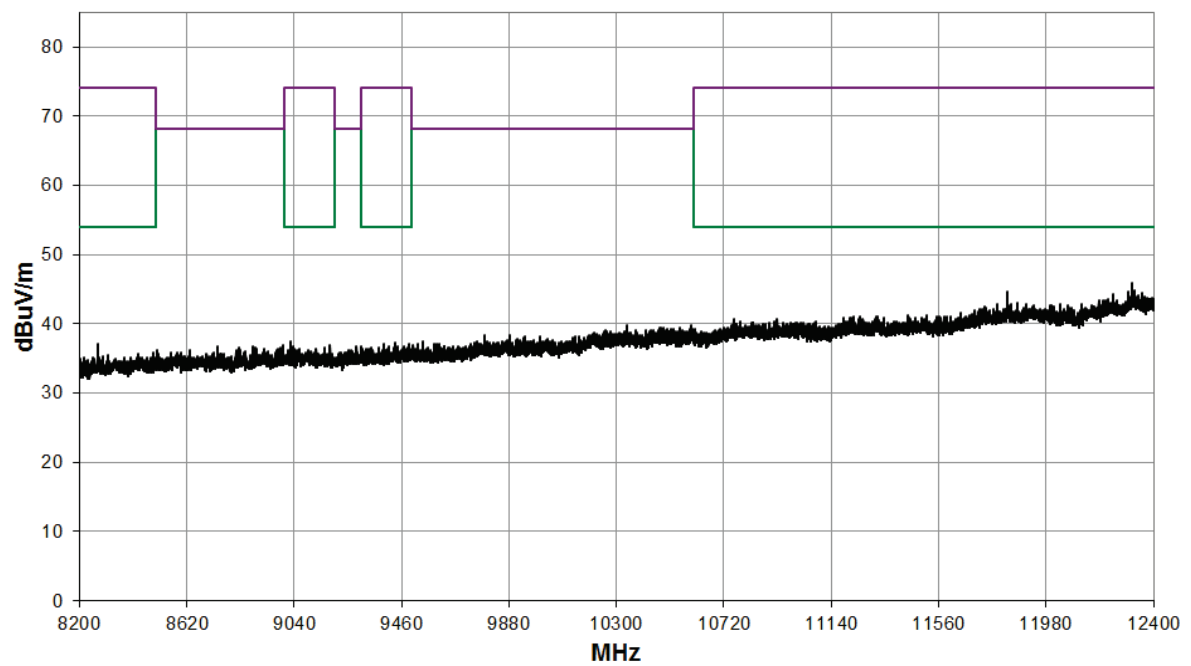
30 MHz to 1 GHz



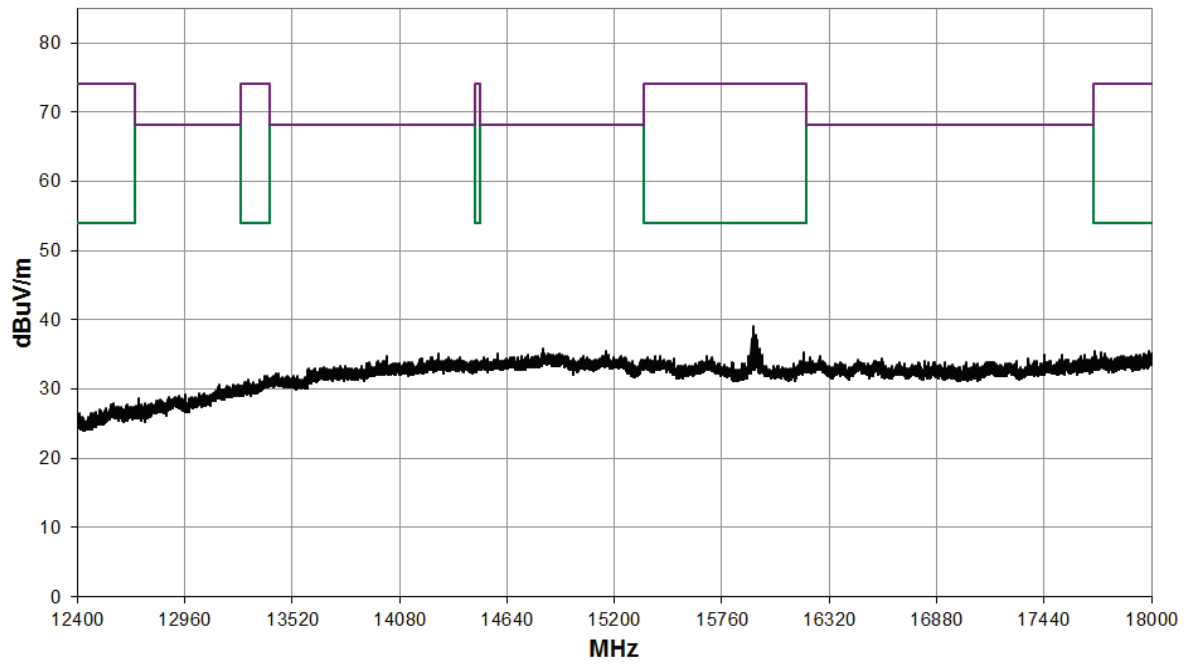
1 GHz to 8.2 GHz



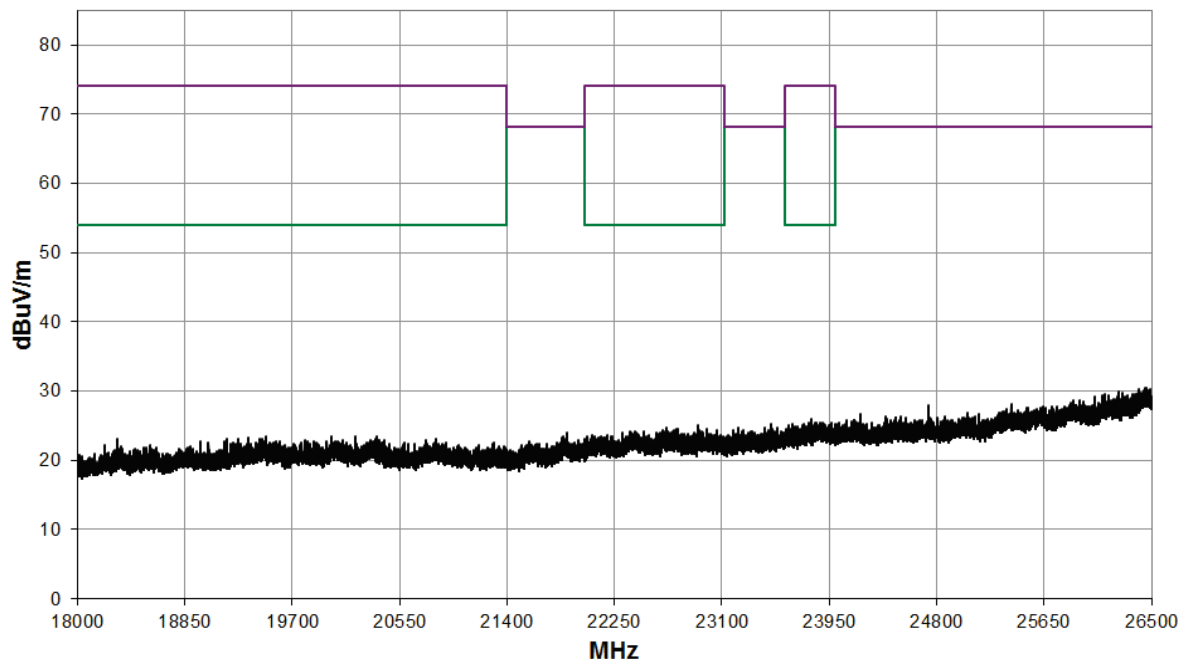
8.2 GHz to 12.4 GHz



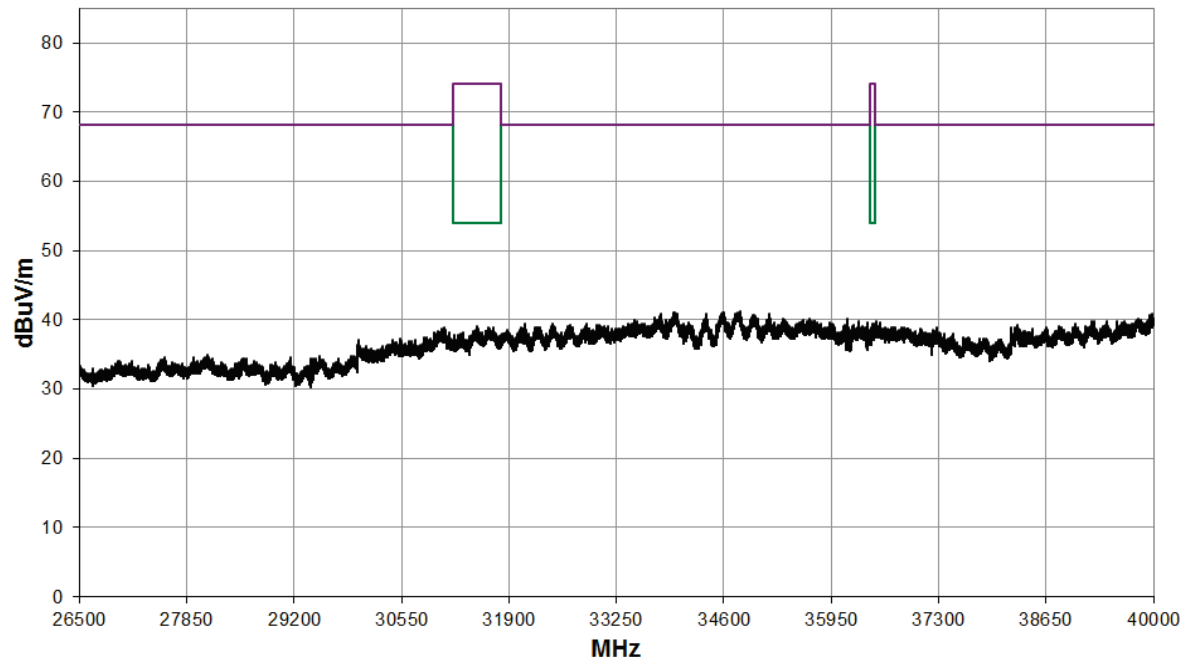
12.4 GHz to 18 GHz



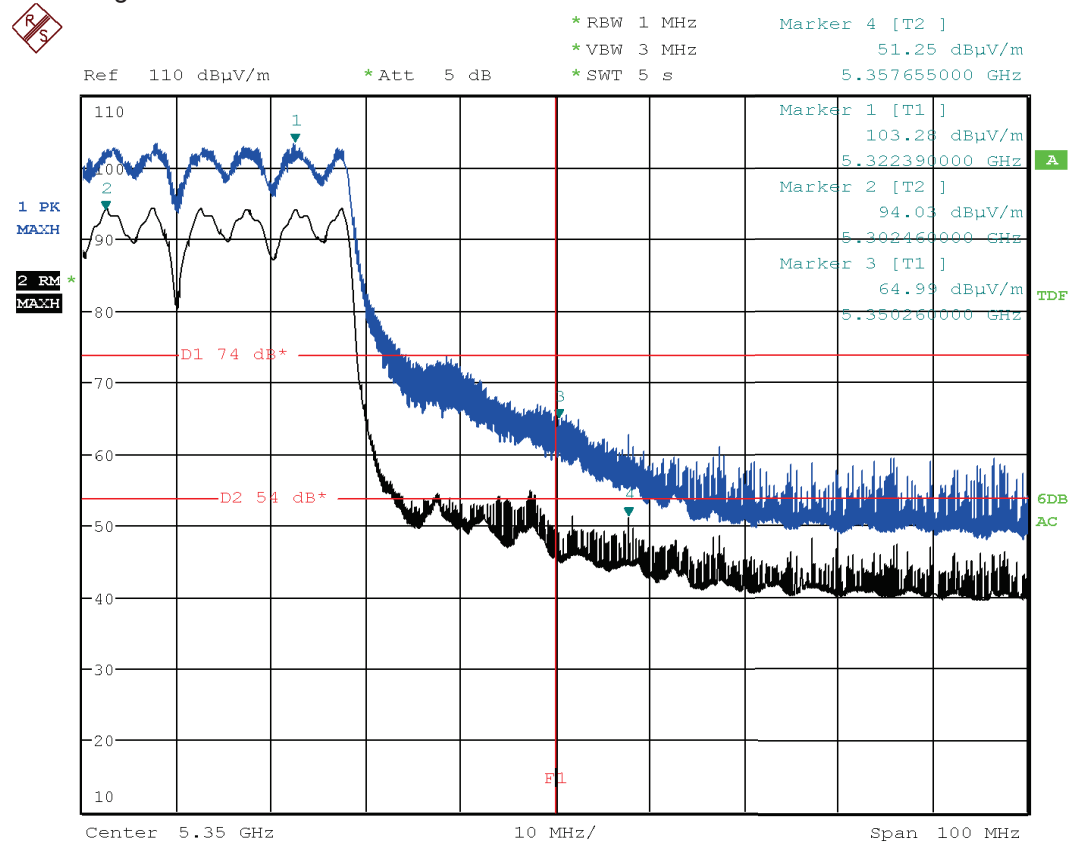
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



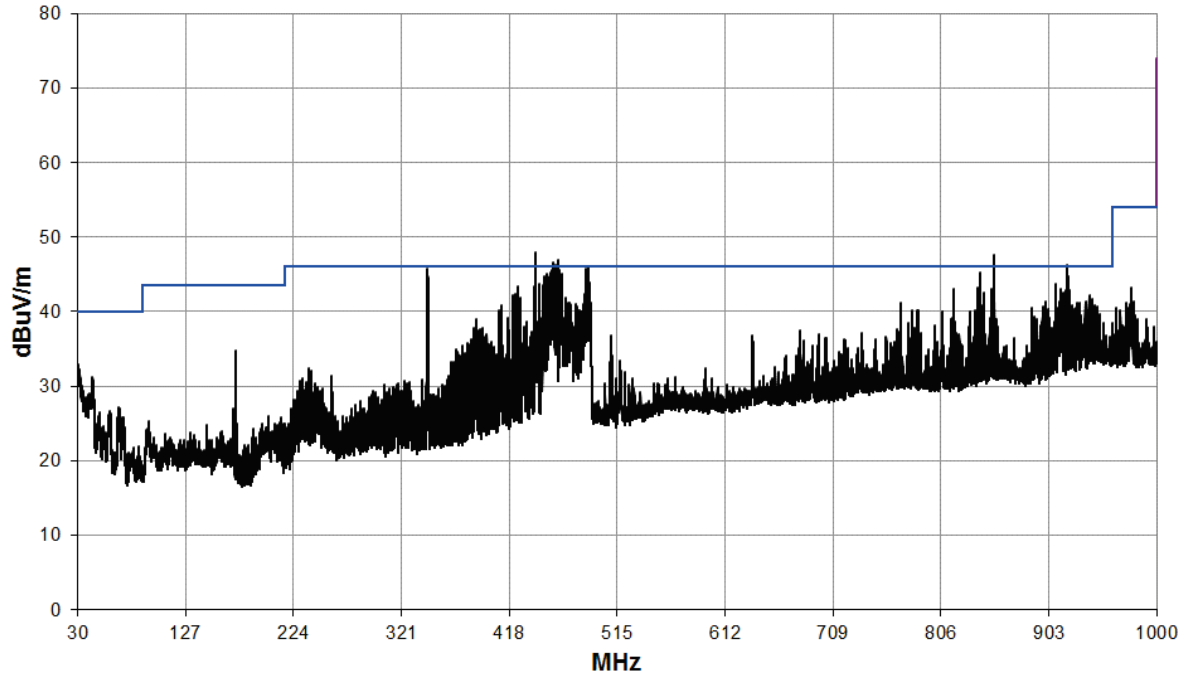
Band Edge



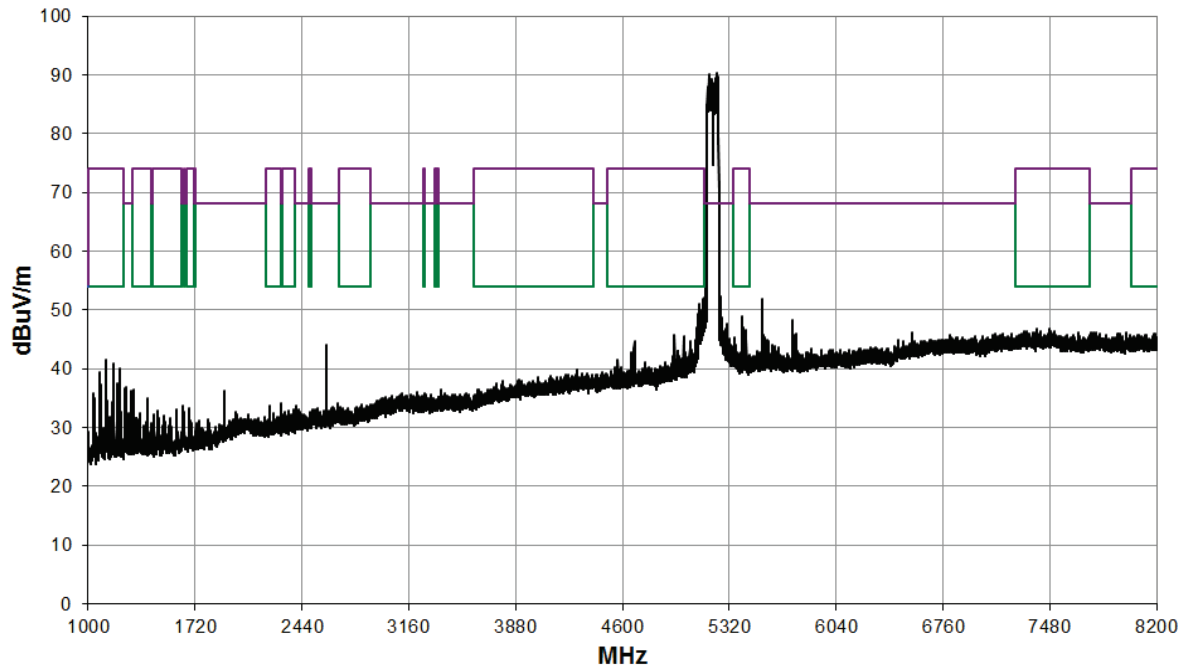
Date: 23.JUN.2020 15:58:38

SISO; Mode: 802.11ac80; Channel: CH42; Frequency: 5210 MHz; Bandwidth: 80 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	4680.1	-3.7	5.3	33.2	0.0	0.0	34.8	0.0	55.0	500
PK	4681.4	18.4	5.3	33.2	0.0	0.0	56.9	0.0	700.0	5000

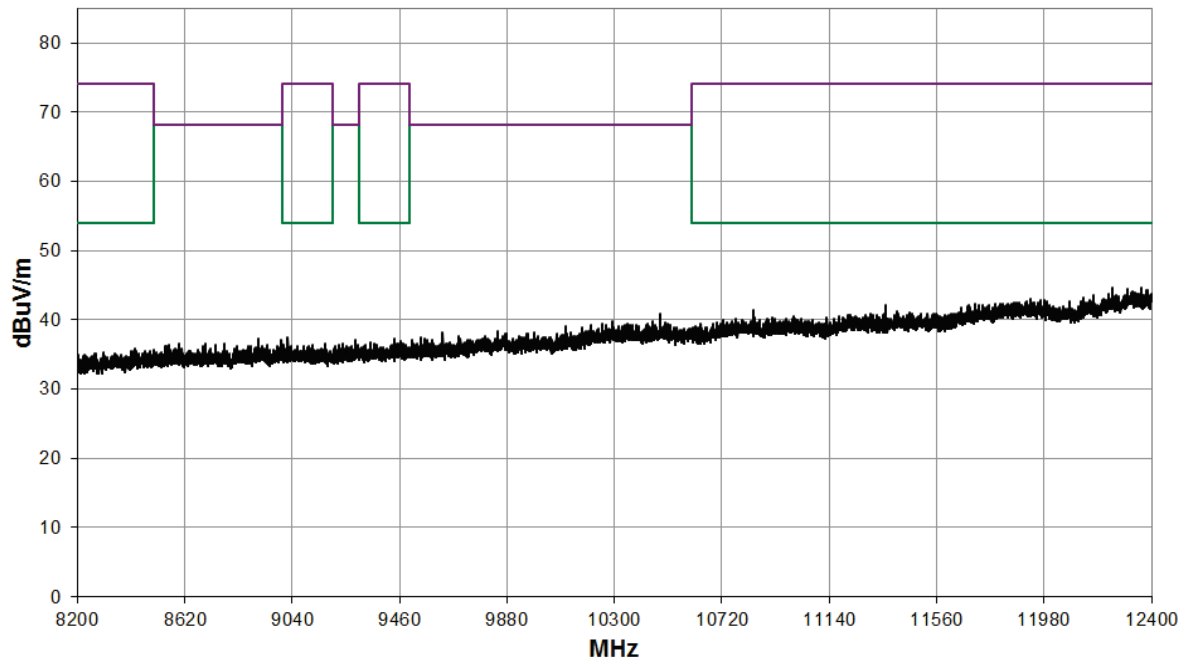
30 MHz to 1 GHz



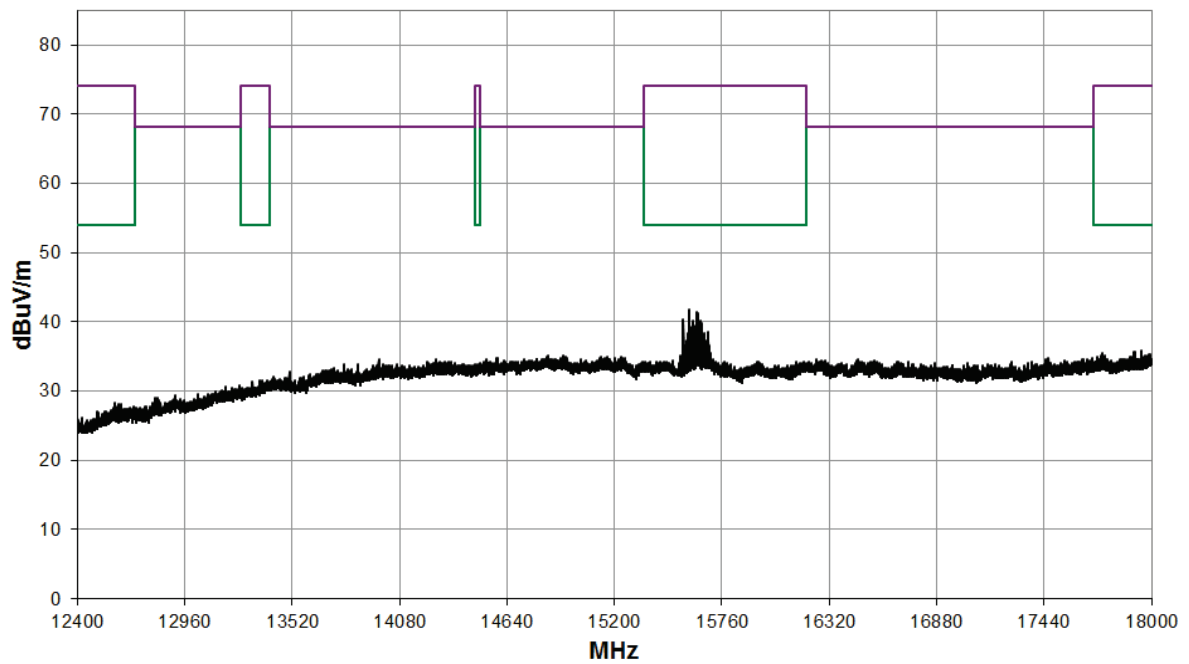
1 GHz to 8.2 GHz



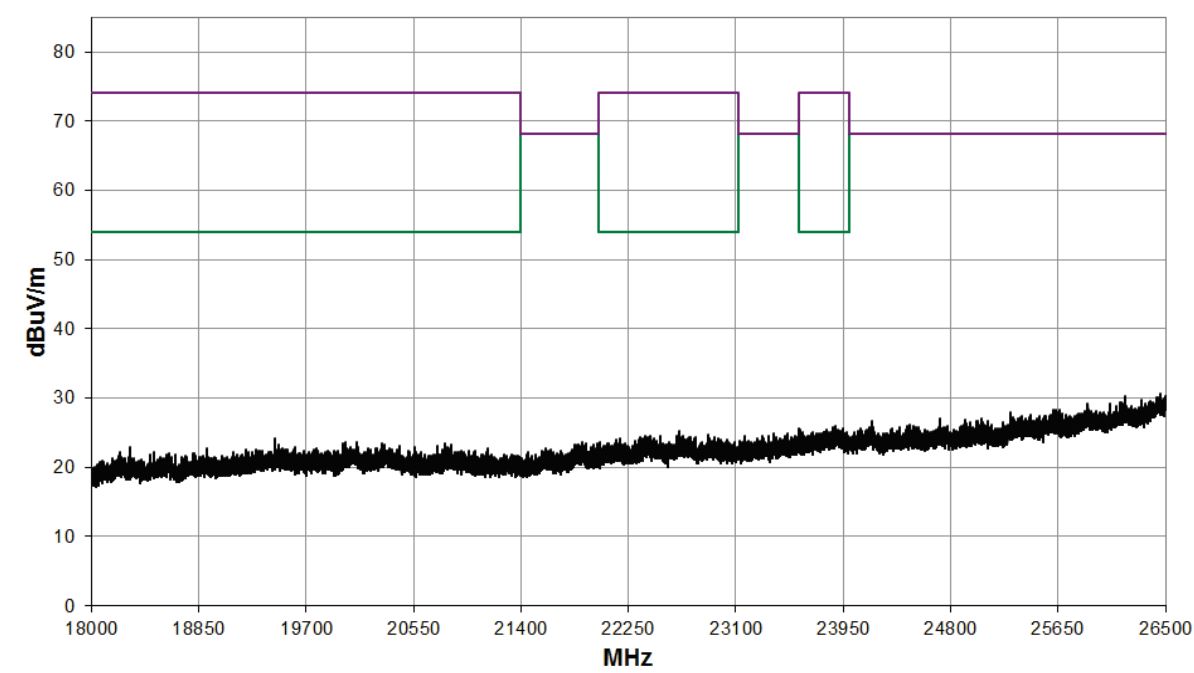
8.2 GHz to 12.4 GHz



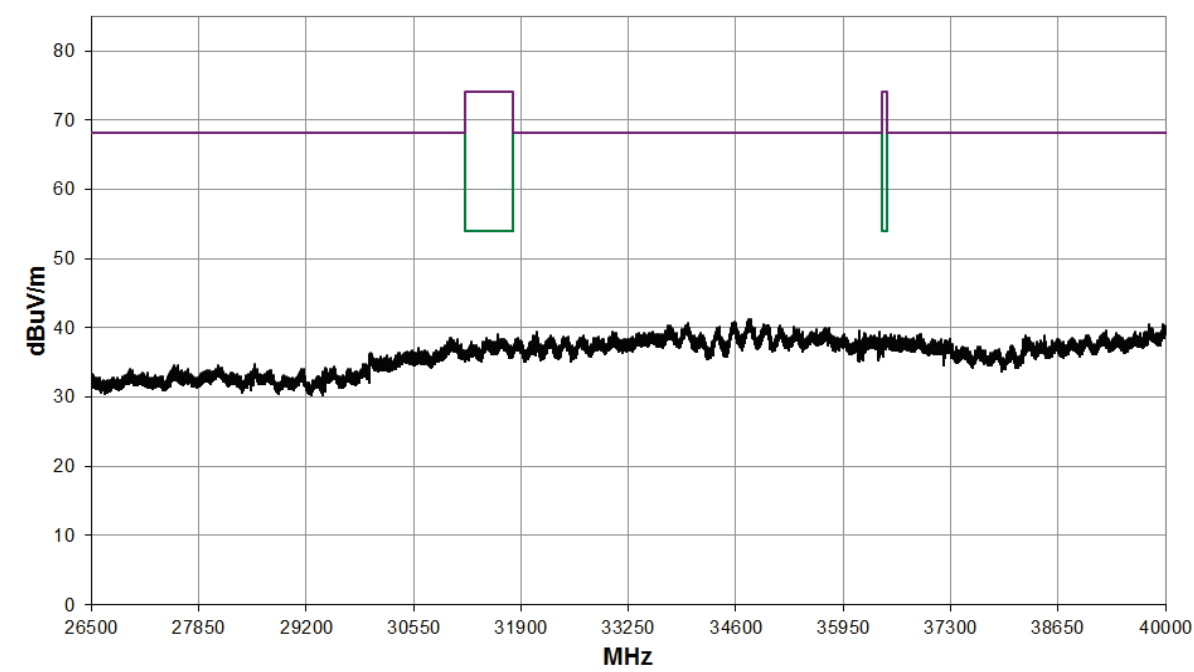
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

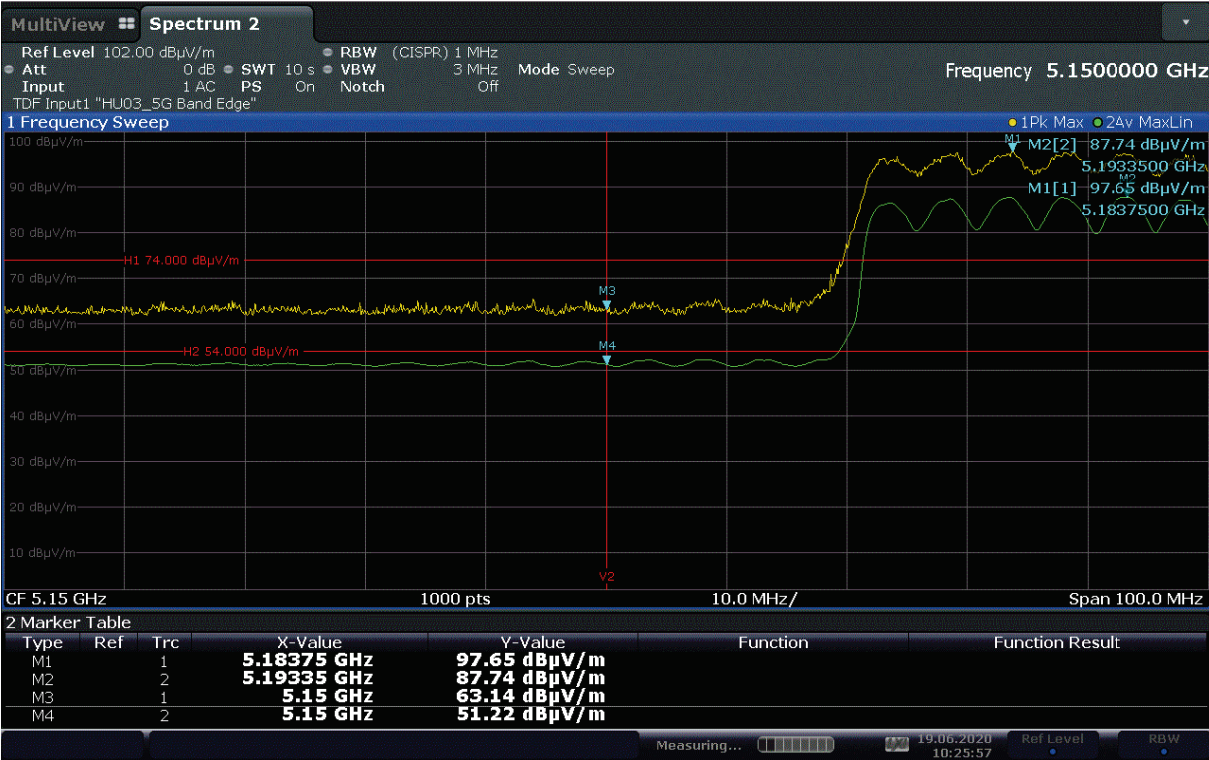


26.5 GHz to 40 GHz



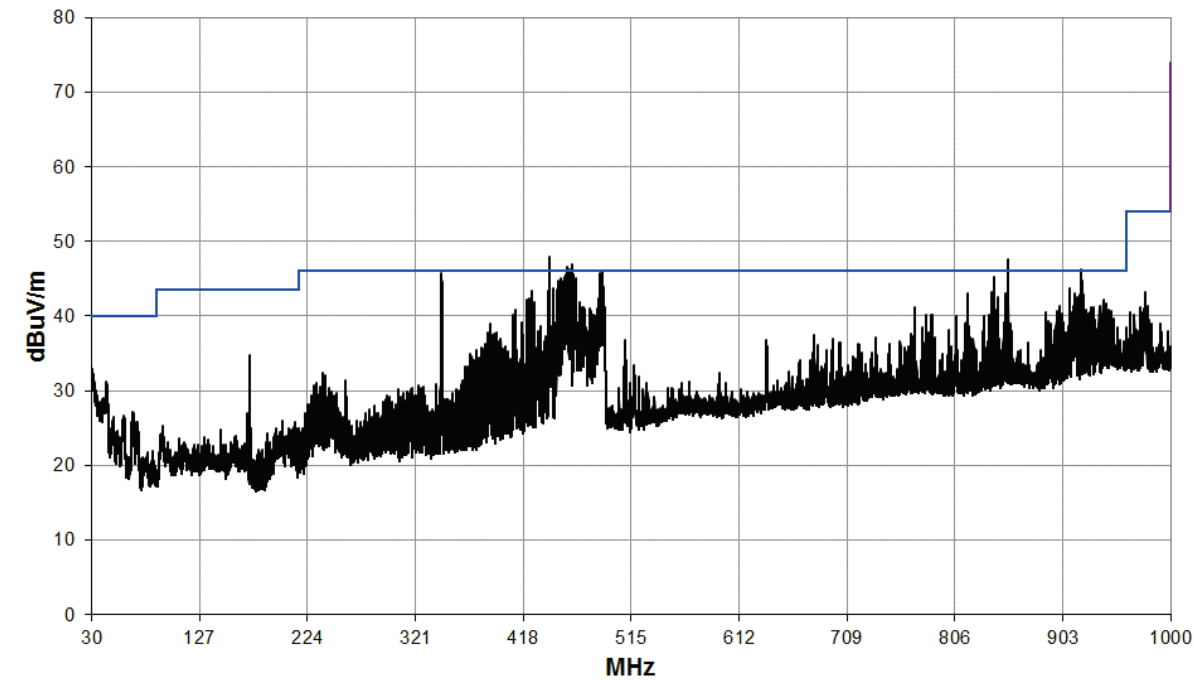
Band Edge

Element

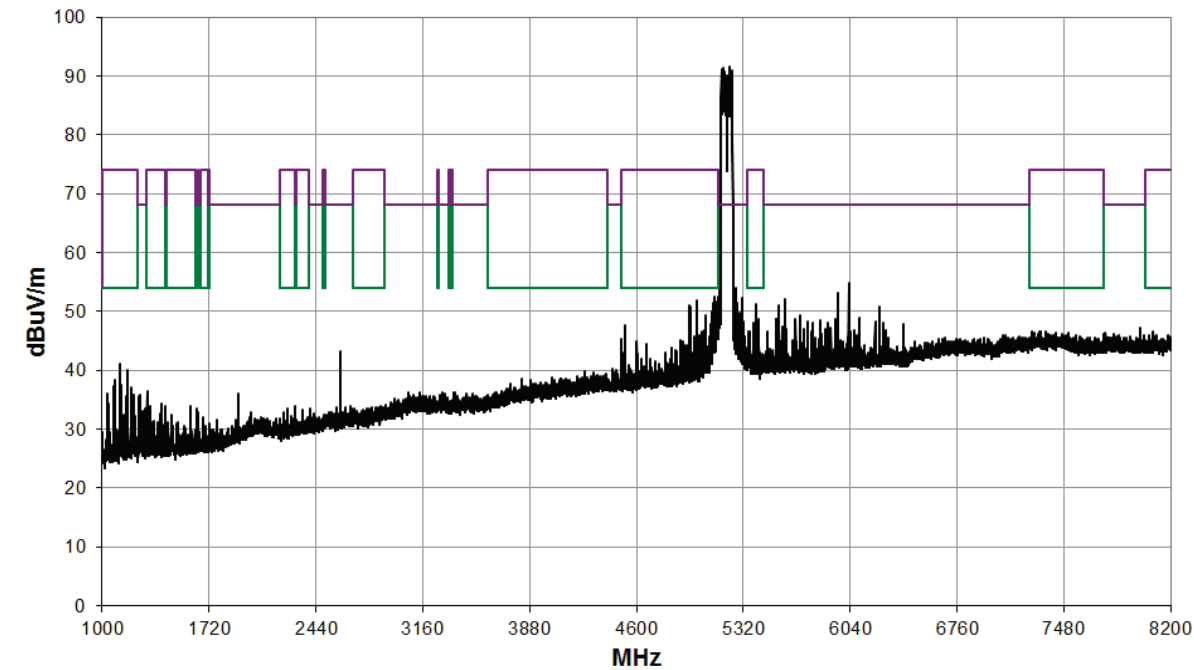


SISO; Mode: 802.11ac80; Channel: CH42; Frequency: 5210 MHz; Bandwidth: 80 MHz; MCS Index: 9										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	4519.4	16.3	5.2	32.7	0.0	0.0	54.2	0.0	512.9	5000
PK	6030.1	18.0	6.1	36.1	0.0	0.0	60.2	0.0	1023.3	2500
AV	15635.3	38.3	11.0	31.7	34.5	0.0	37.0	-9.5	70.8	500

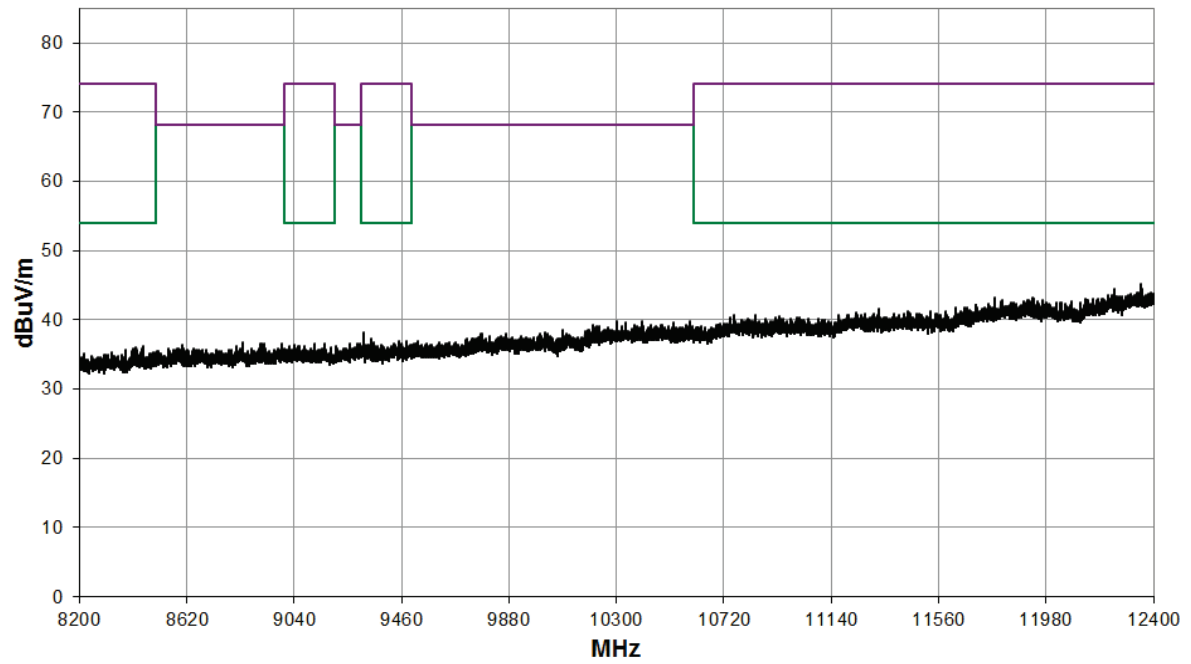
30 MHz to 1 GHz



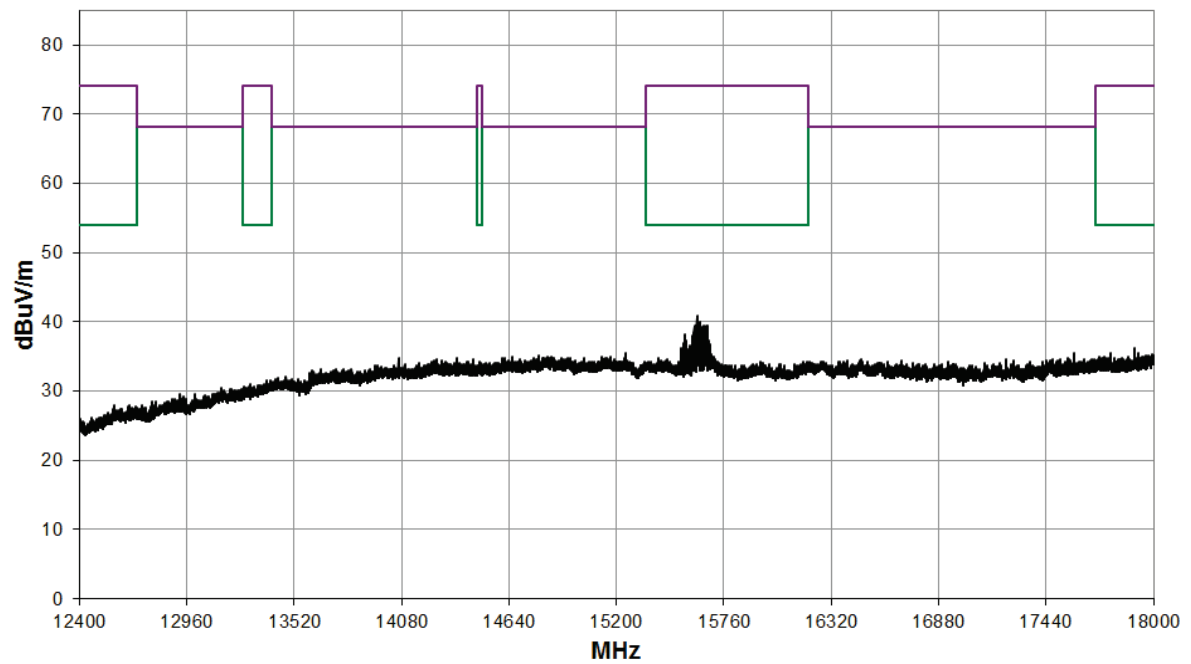
1 GHz to 8.2 GHz



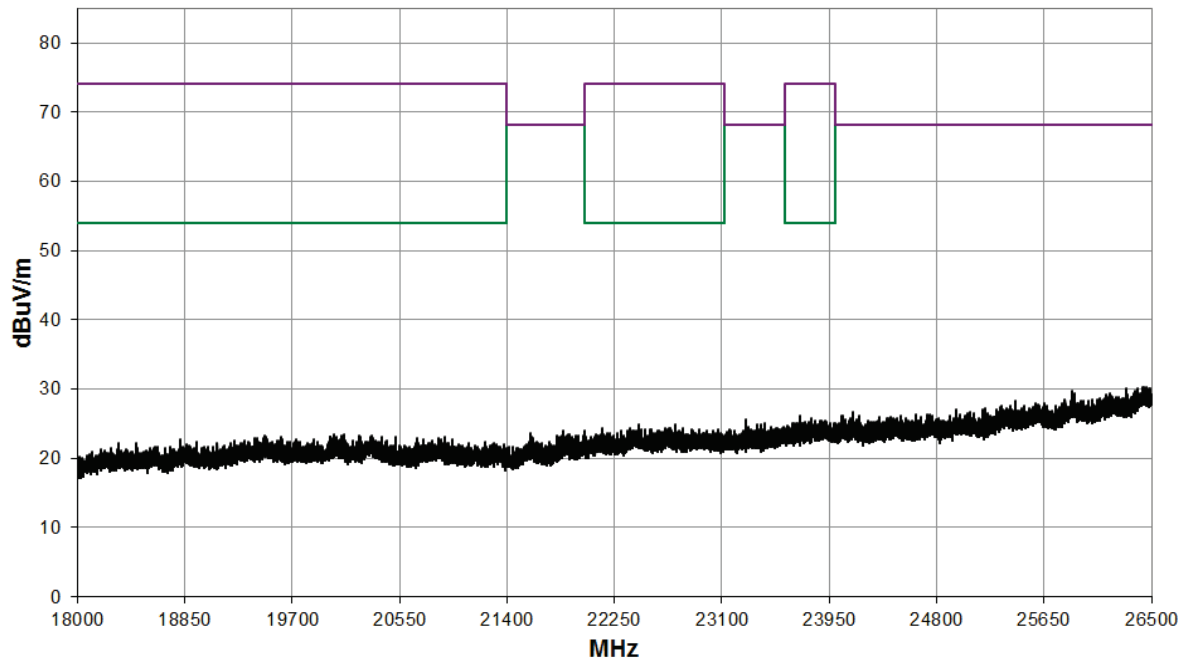
8.2 GHz to 12.4 GHz



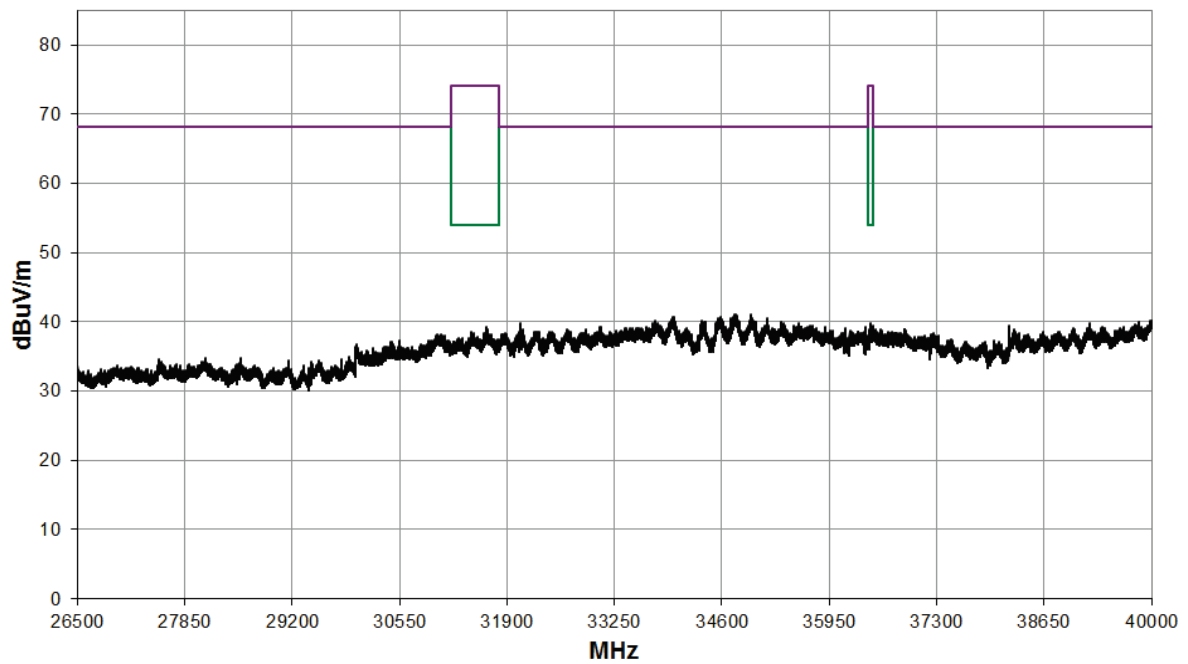
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

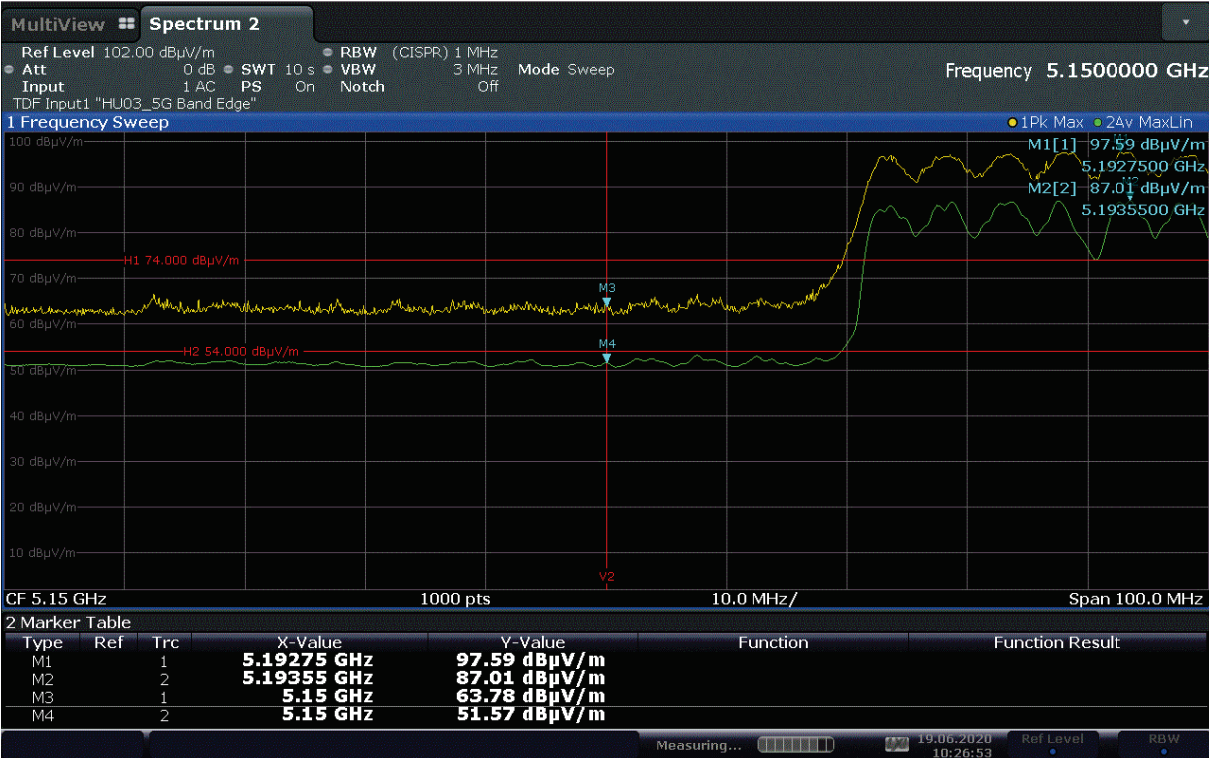


26.5 GHz to 40 GHz



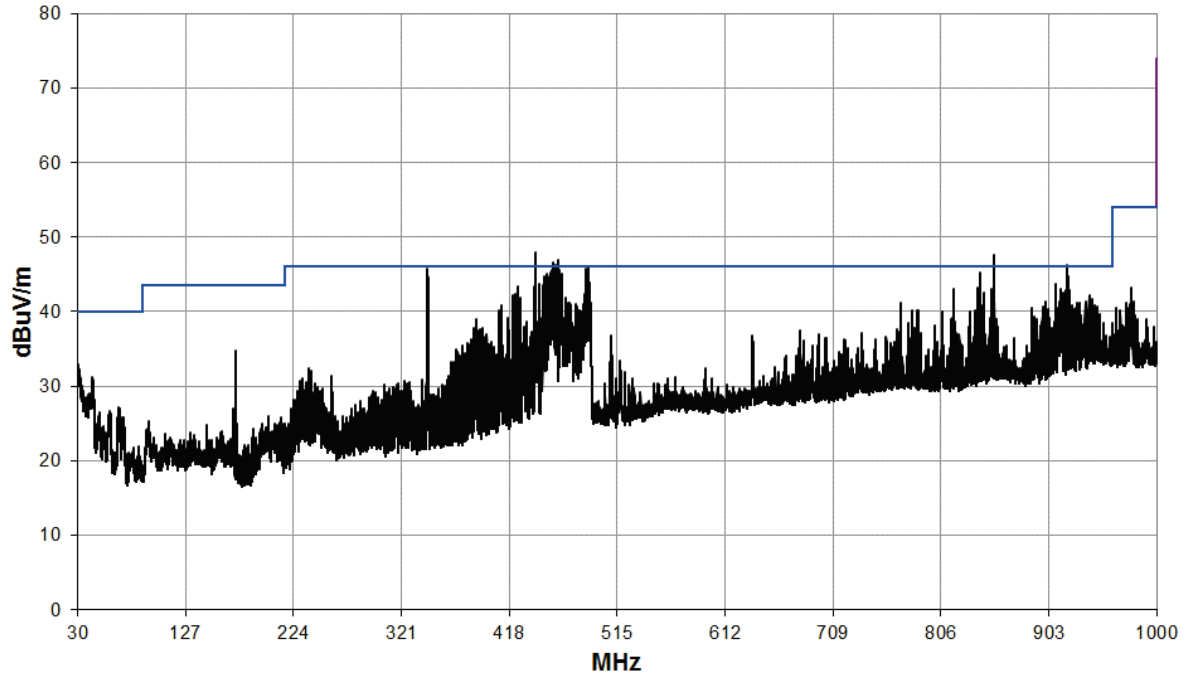
Band Edge

Element

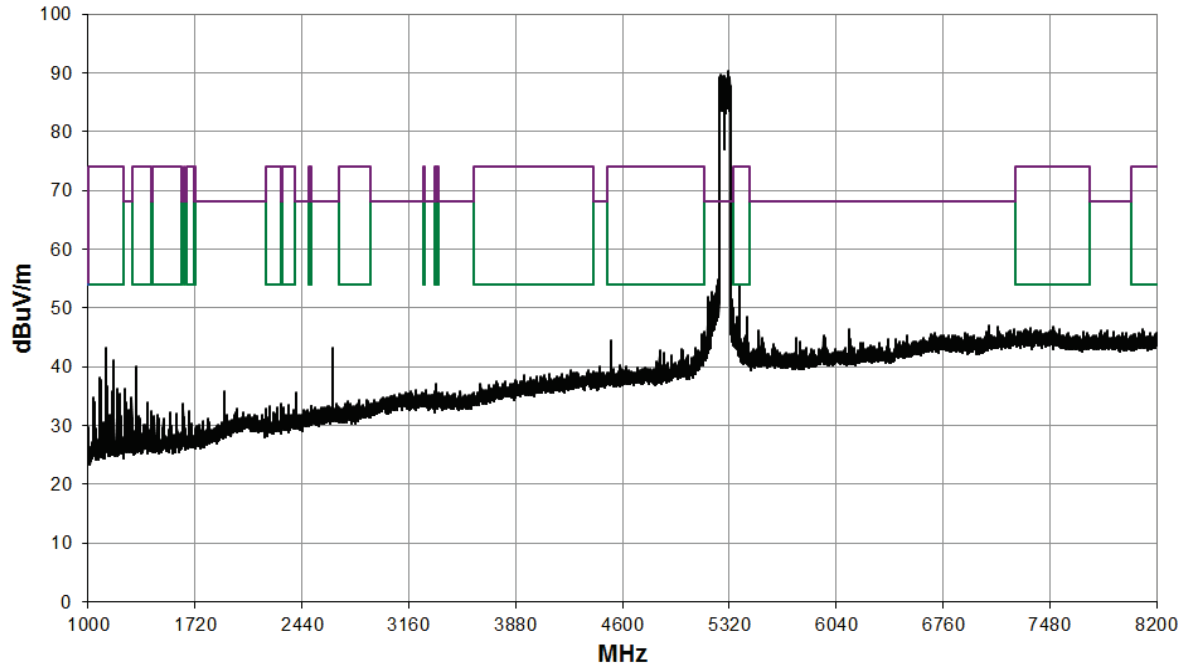


SISO; Mode: 802.11ac80; Channel: CH58; Frequency: 5290 MHz; Bandwidth: 80 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	5385.0	0.6	5.8	34.7	0.0	0.0	41.1	0.0	113.5	500
PK	5387.8	19.2	5.8	34.7	0.0	0.0	59.7	0.0	966.1	5000

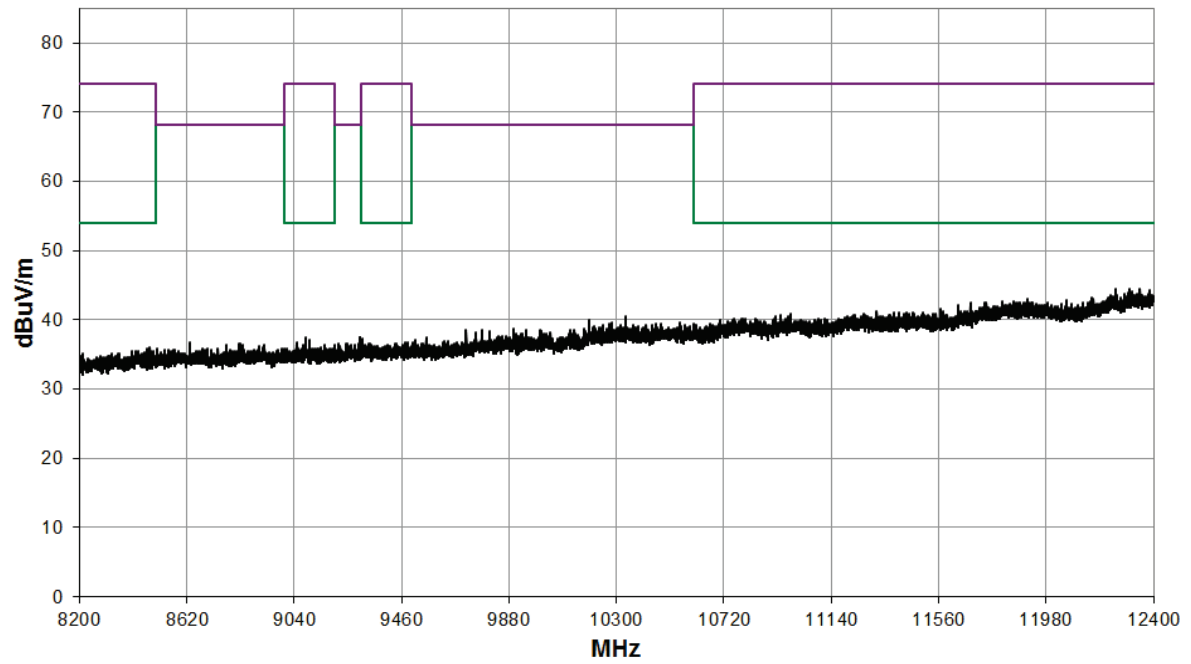
30 MHz to 1 GHz



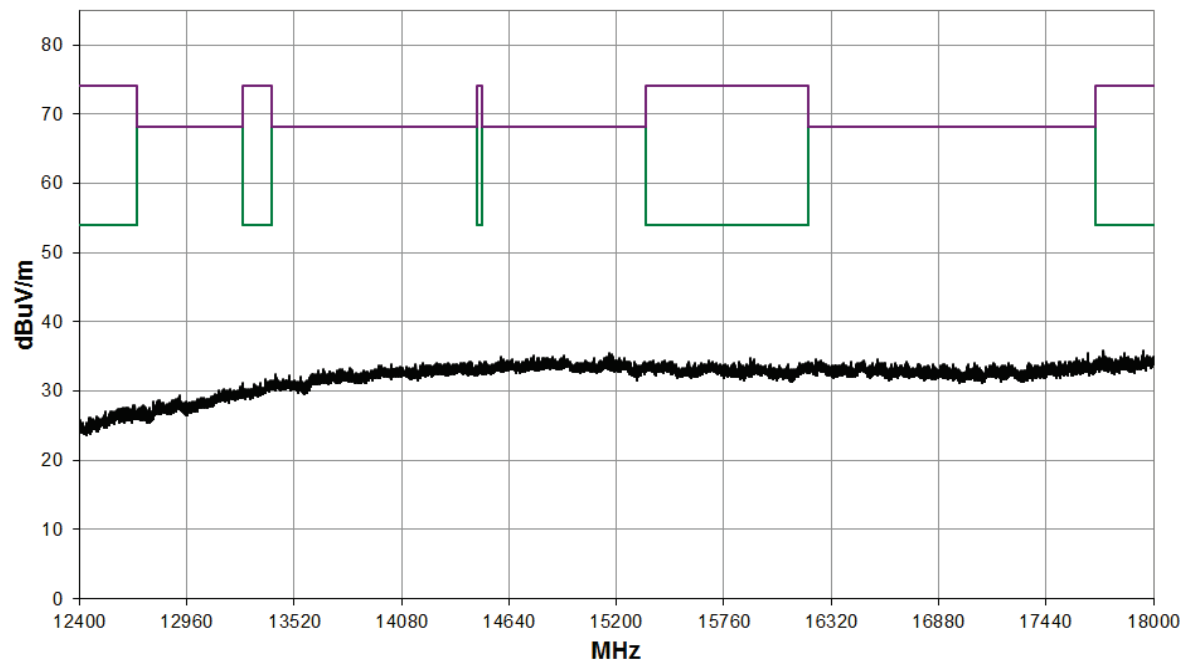
1 GHz to 8.2 GHz



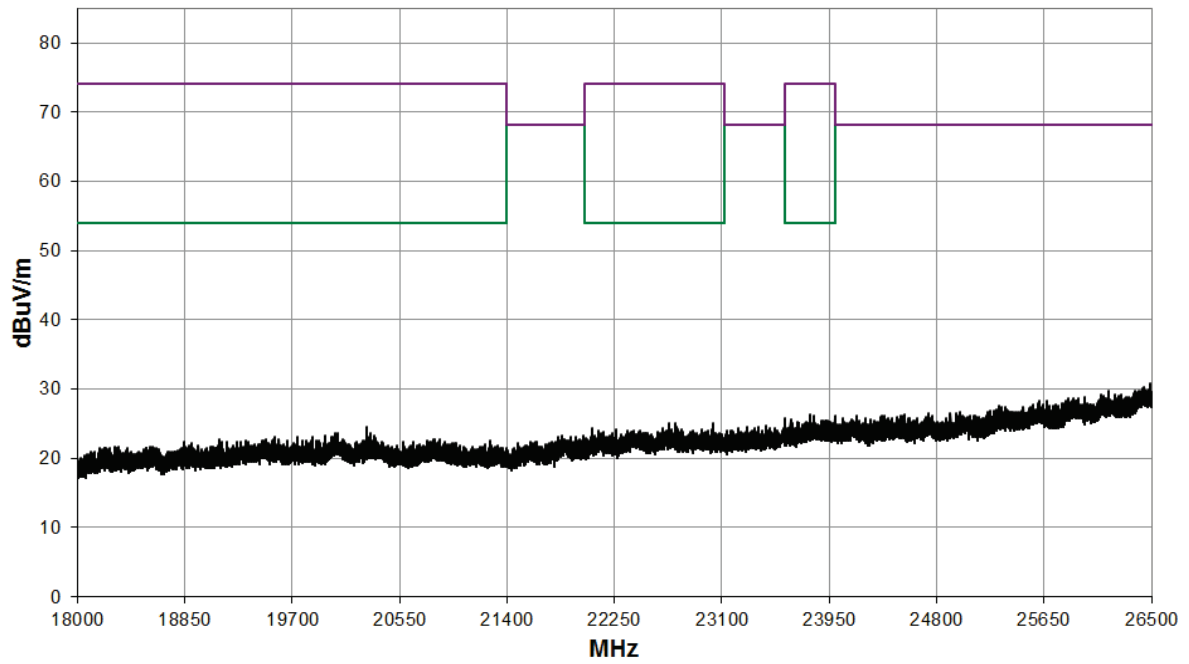
8.2 GHz to 12.4 GHz



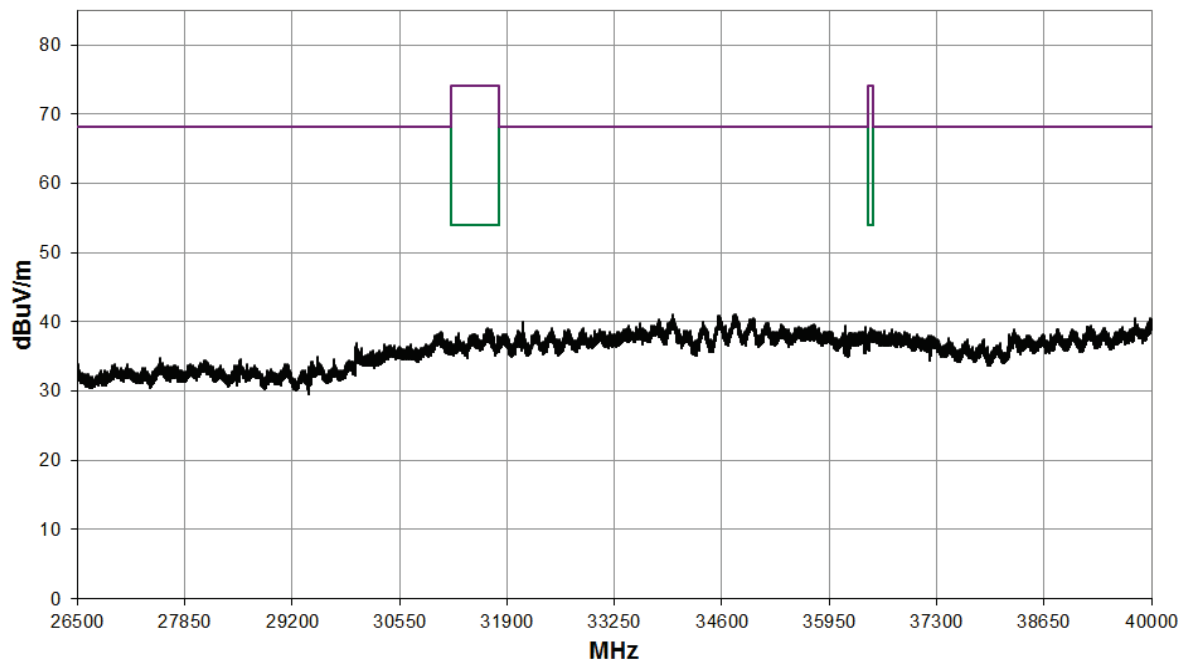
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

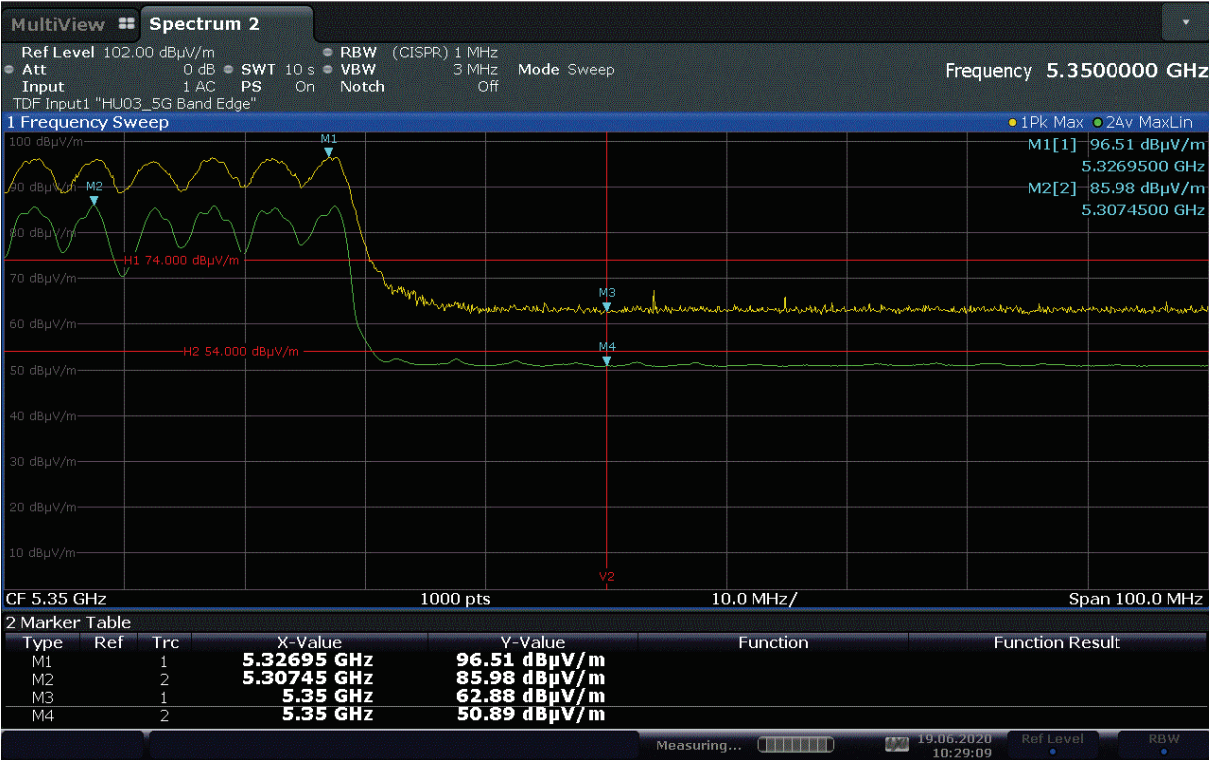


26.5 GHz to 40 GHz



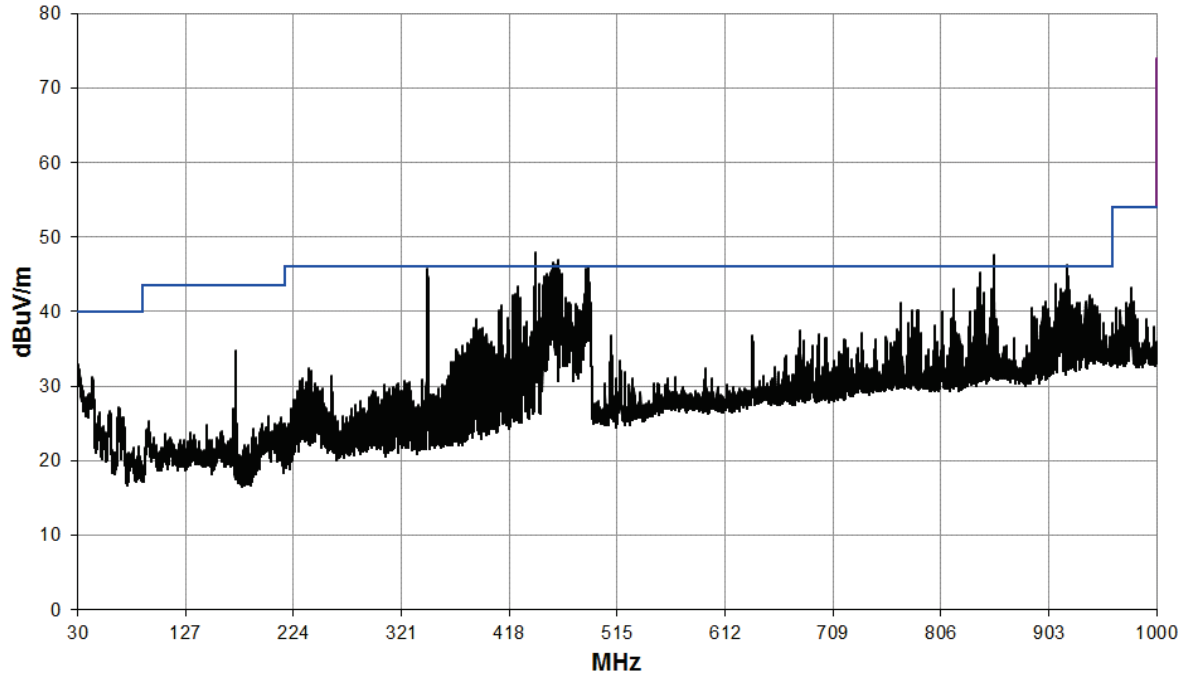
Band Edge

Element

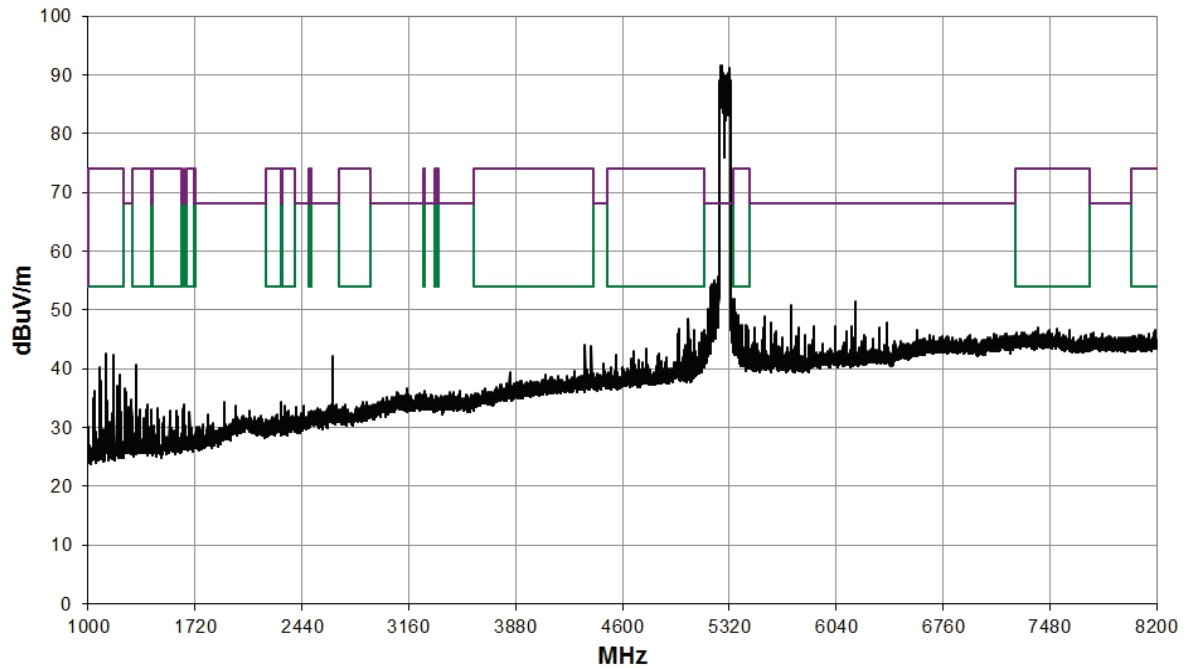


SISO; Mode: 802.11ac80; Channel: CH58; Frequency: 5290 MHz; Bandwidth: 80 MHz; MCS Index: 9										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	5044.9	-1.3	5.5	33.3	0.0	0.0	37.5	0.0	75.0	500
PK	5045.1	18.8	5.5	33.3	0.0	0.0	57.6	0.0	758.6	5000

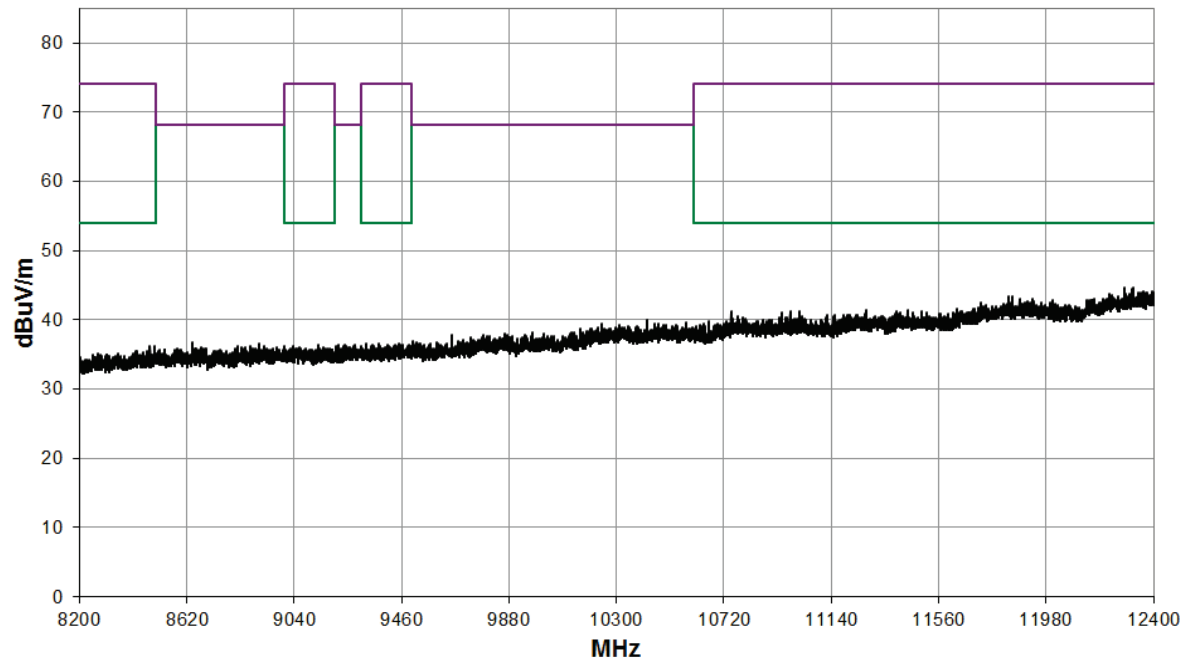
30 MHz to 1 GHz



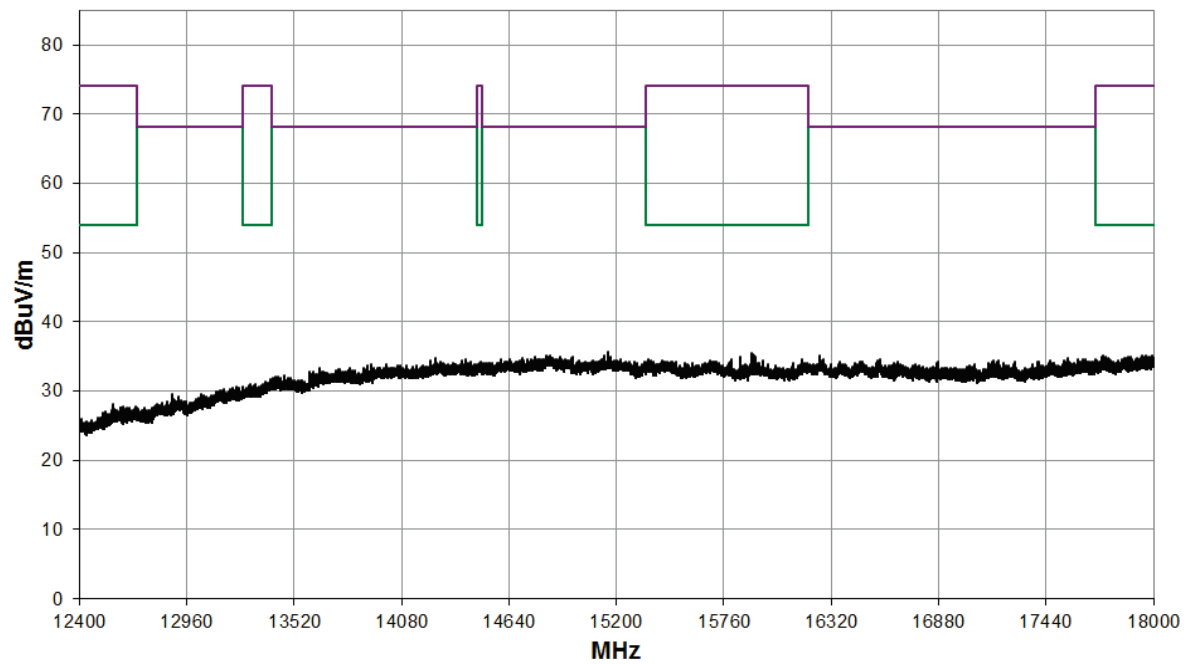
1 GHz to 8.2 GHz



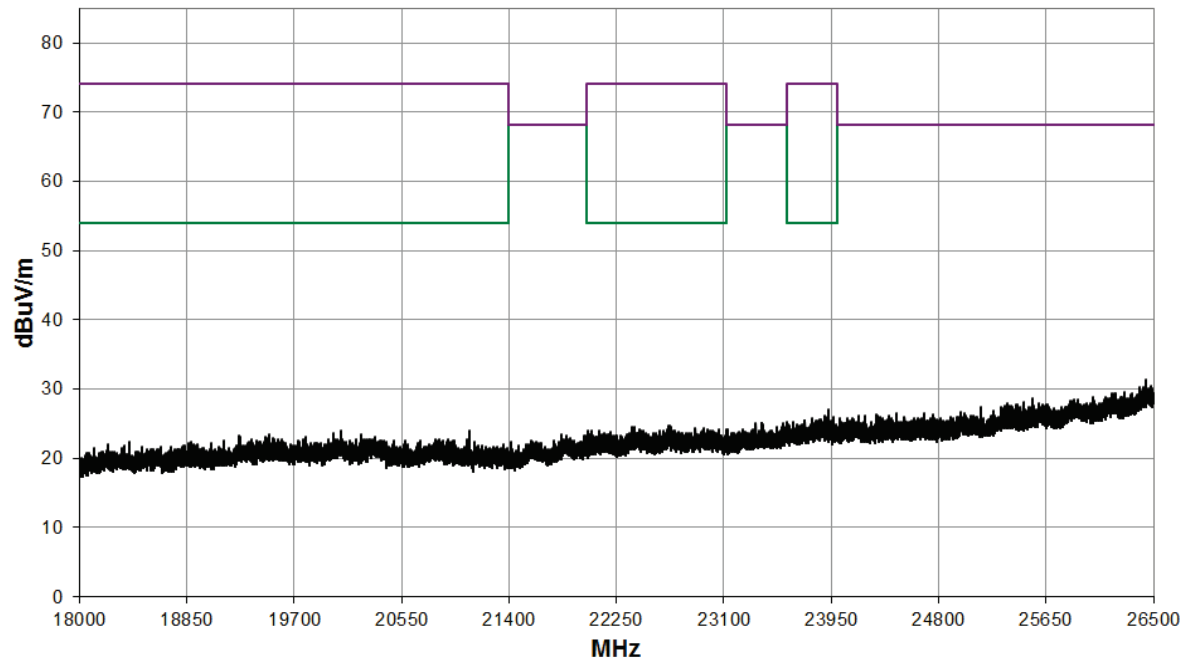
8.2 GHz to 12.4 GHz



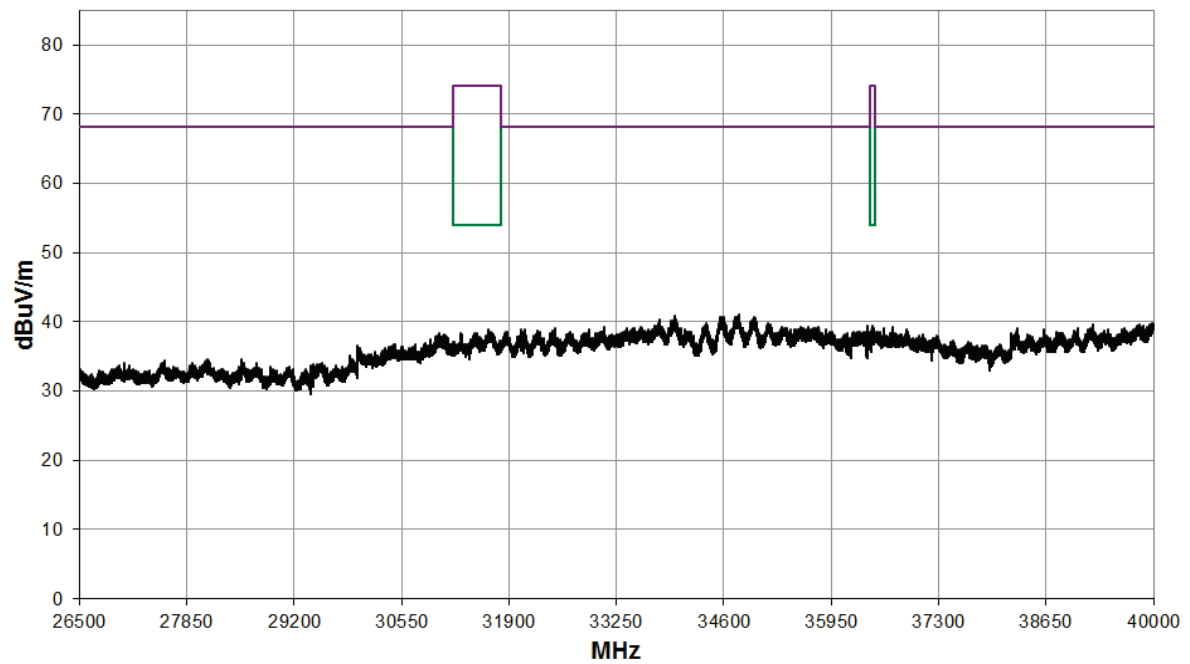
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

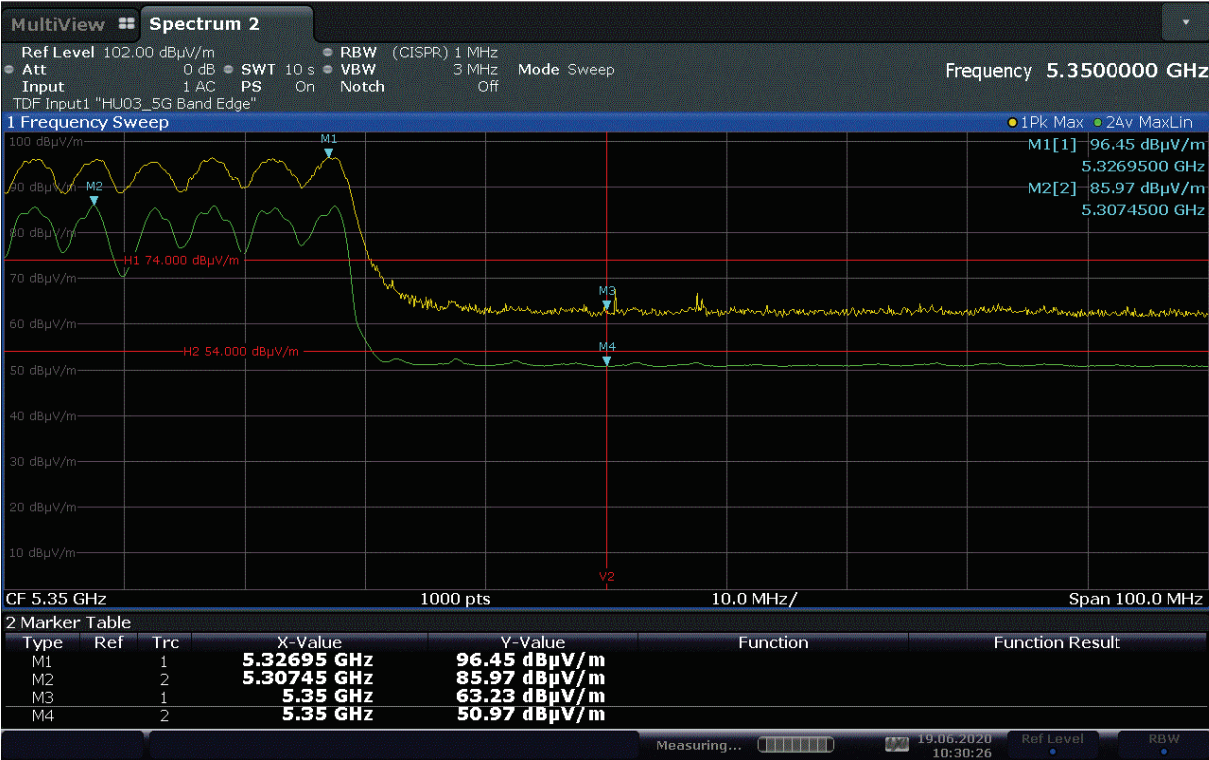


26.5 GHz to 40 GHz



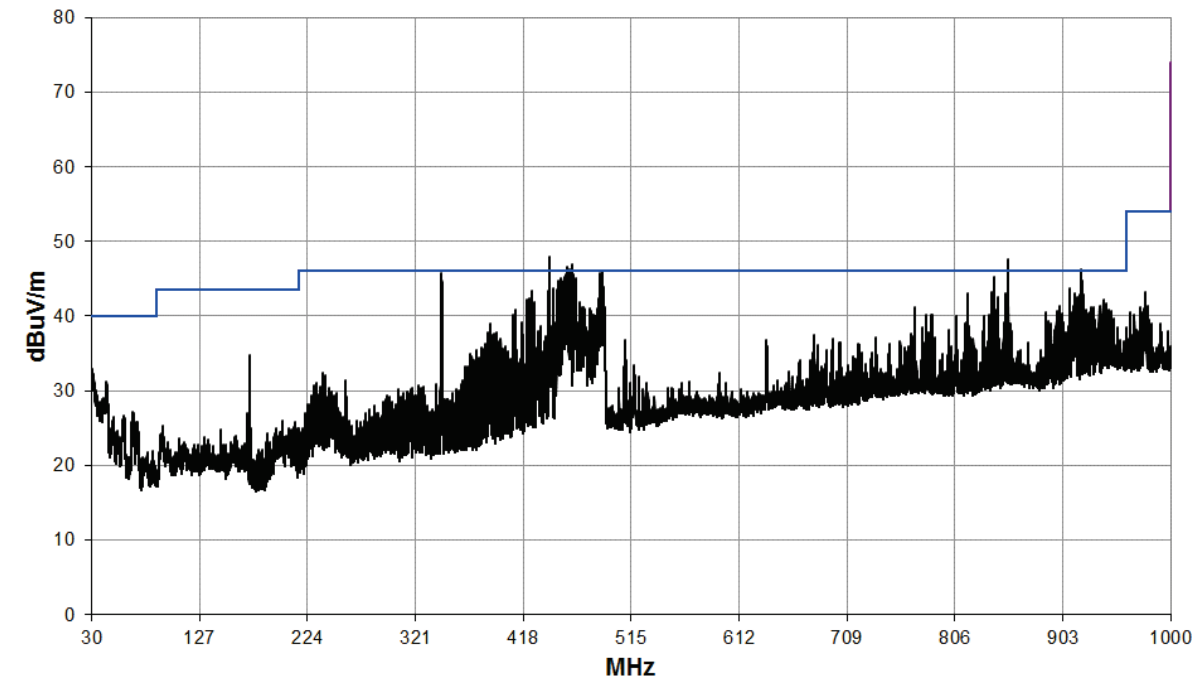
Band Edge

Element

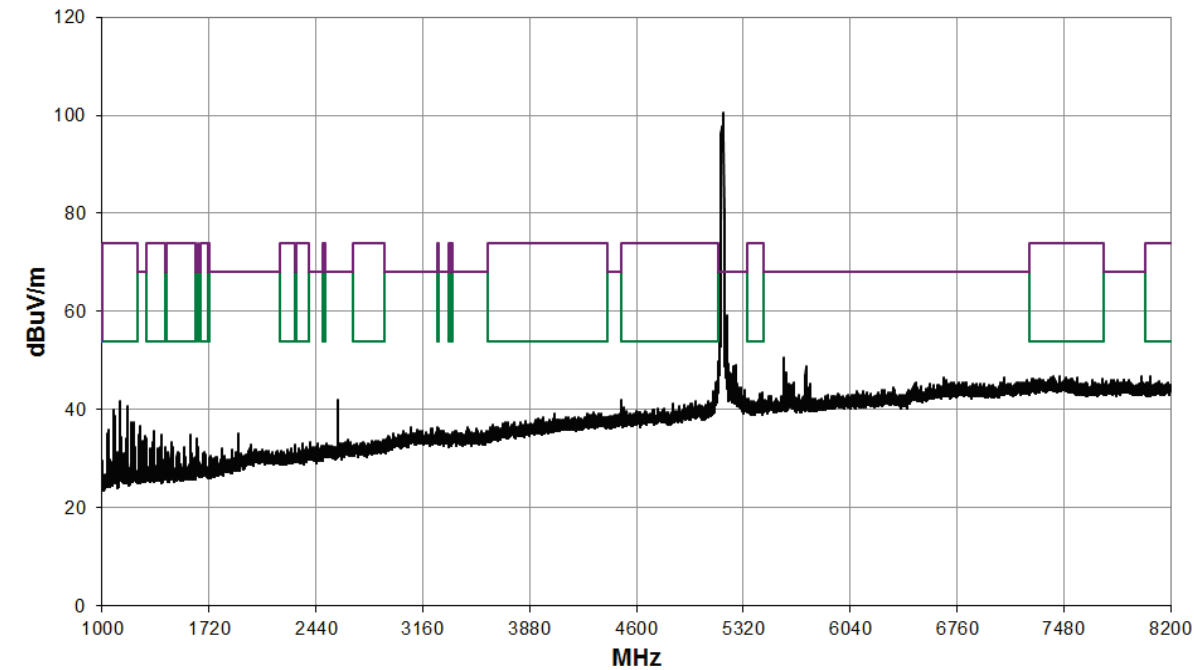


MIMO; Mode: 802.11n20; Channel: CH36; Frequency: 5180 MHz; Bandwidth: 20 MHz; MCS Index: 8										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	5607.9	16.4	5.9	35.0	0.0	0.0	57.3	0.0	732.8	2500
AV	15554.0	39.5	10.9	31.8	34.4	0.0	38.3	-9.5	82.2	500
PK	15554.7	55.3	10.9	31.8	34.4	0.0	54.1	-9.5	507.0	5000

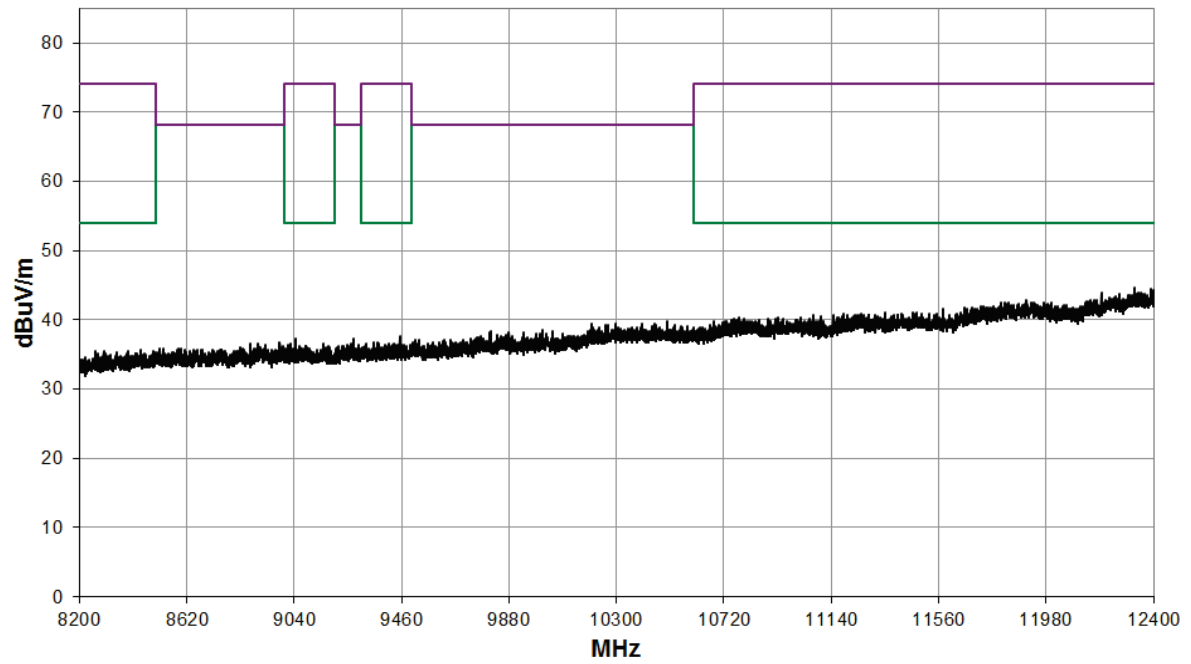
30 MHz to 1 GHz



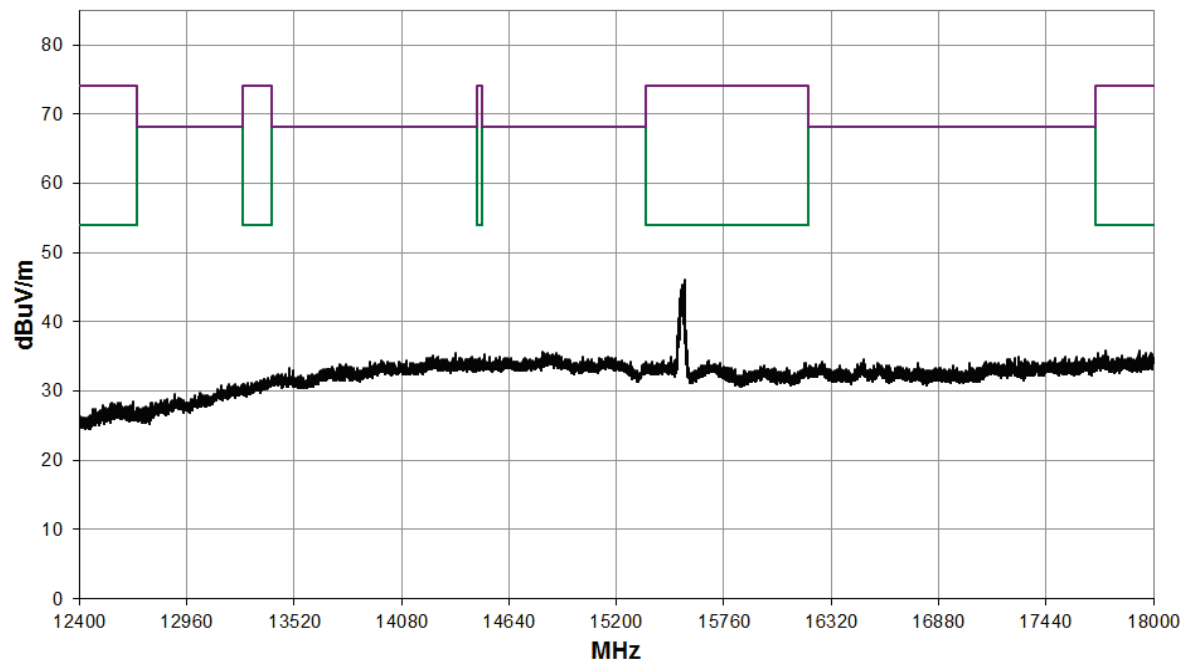
1 GHz to 8.2 GHz



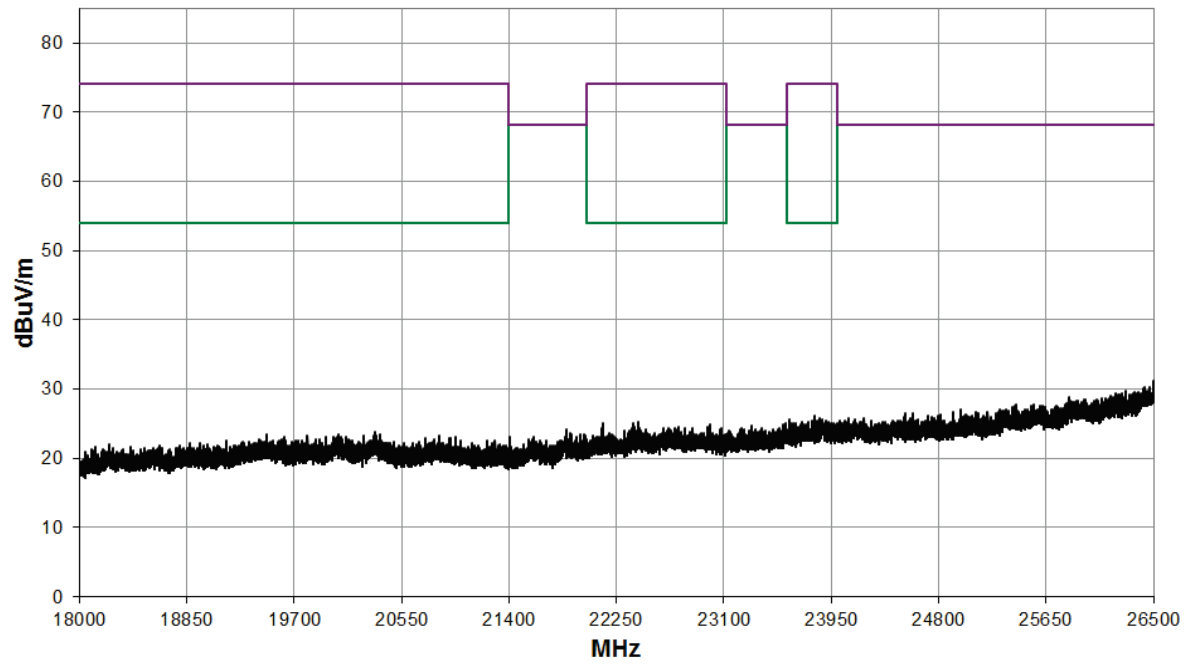
8.2 GHz to 12.4 GHz



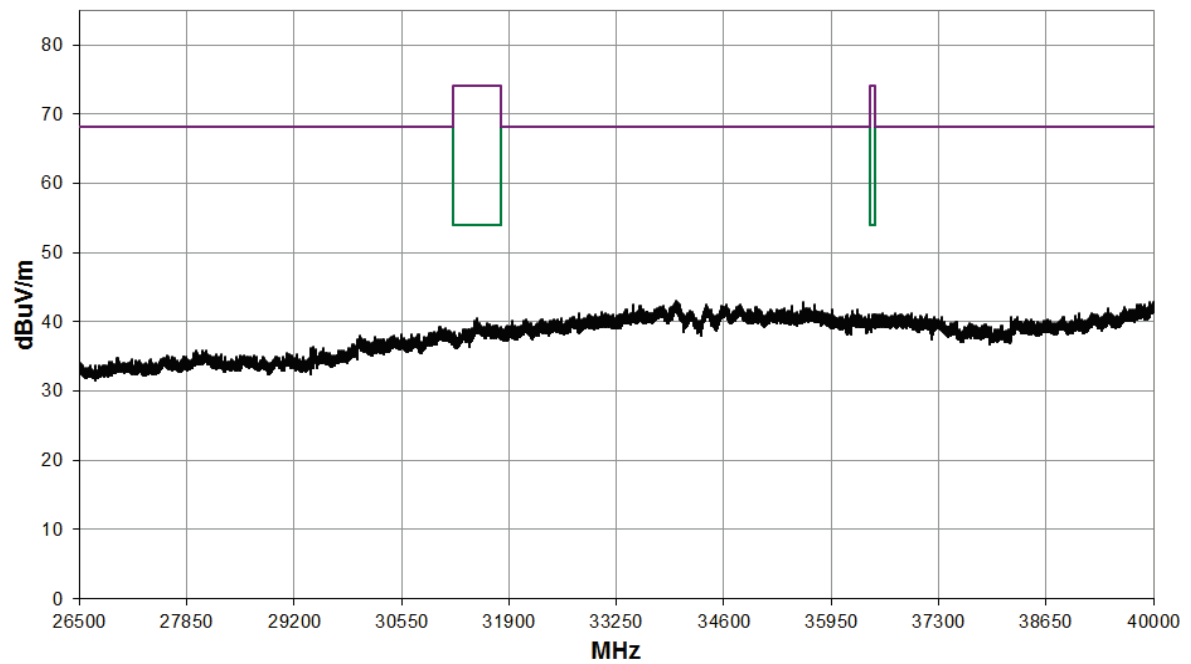
12.4 GHz to 18 GHz



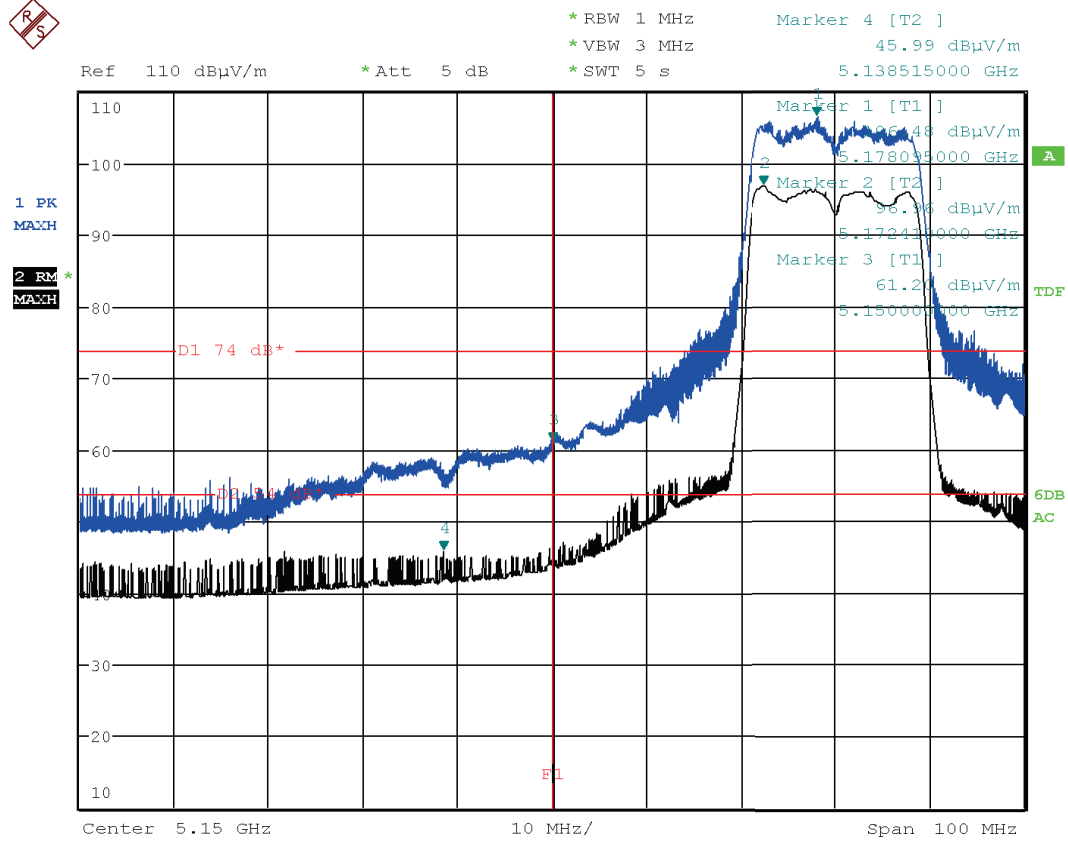
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



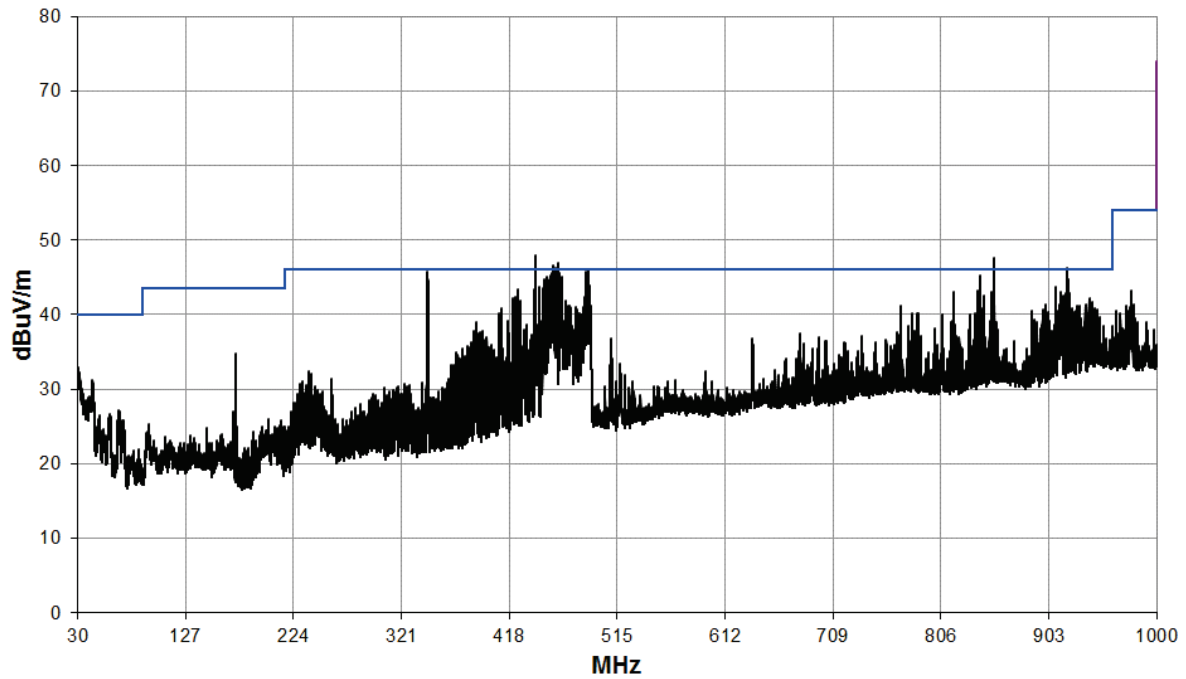
Band Edge



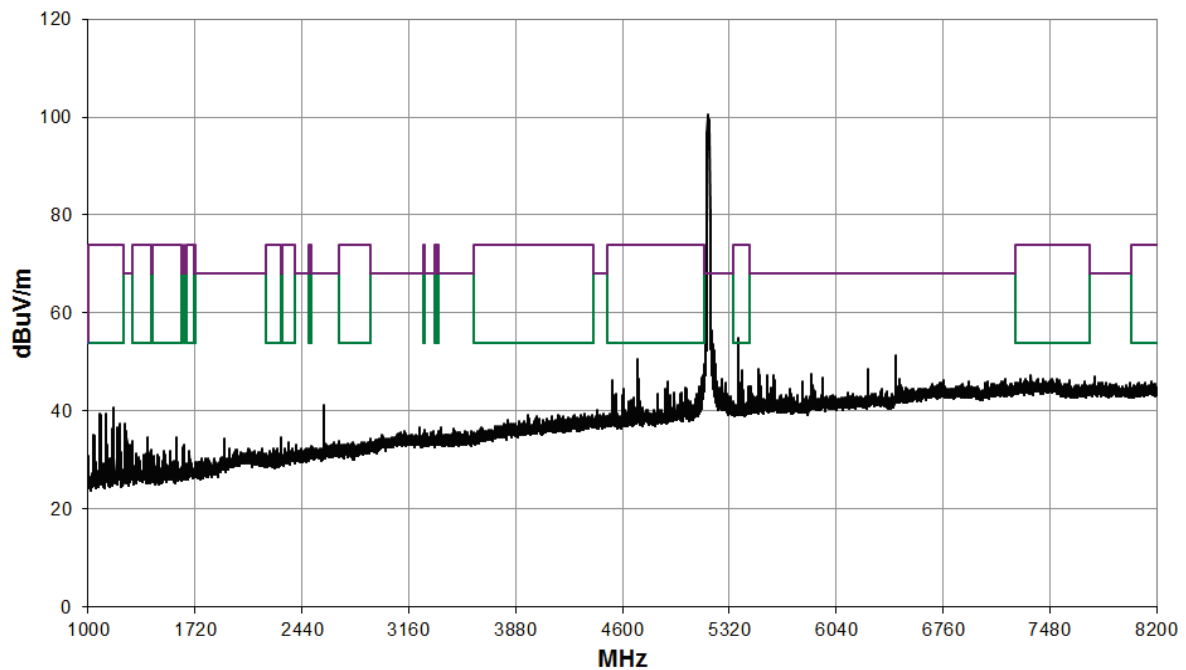
Date: 23.JUN.2020 15:06:34

MIMO; Mode: 802.11n20; Channel: CH36; Frequency: 5180 MHz; Bandwidth: 20 MHz; MCS Index: 15										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	4700.3	-4.1	5.3	33.2	0.0	0.0	34.4	0.0	52.5	500
PK	5376.5	18.6	5.8	34.7	0.0	0.0	59.1	0.0	901.6	5000
AV	5377.3	-4.0	5.8	34.7	0.0	0.0	36.5	0.0	66.8	500
PK	6444.8	11.5	6.5	36.5	0.0	0.0	54.5	0.0	530.9	2500
AV	15539.8	43.5	10.9	31.7	34.4	0.0	42.2	-9.5	128.8	500

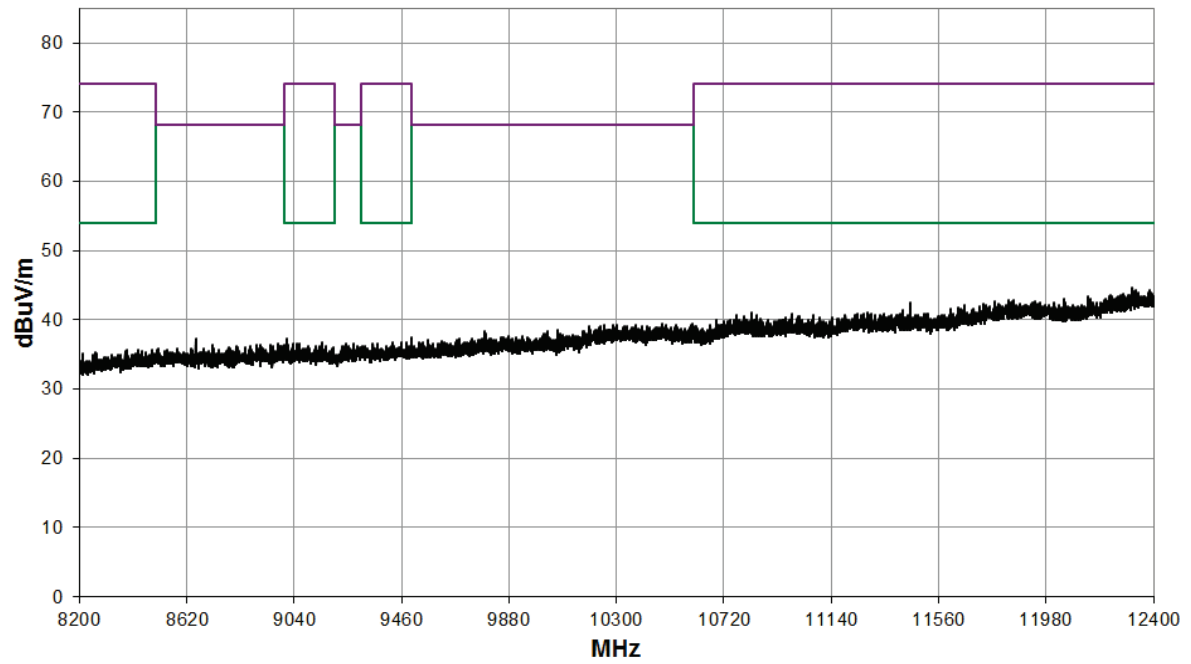
30 MHz to 1 GHz



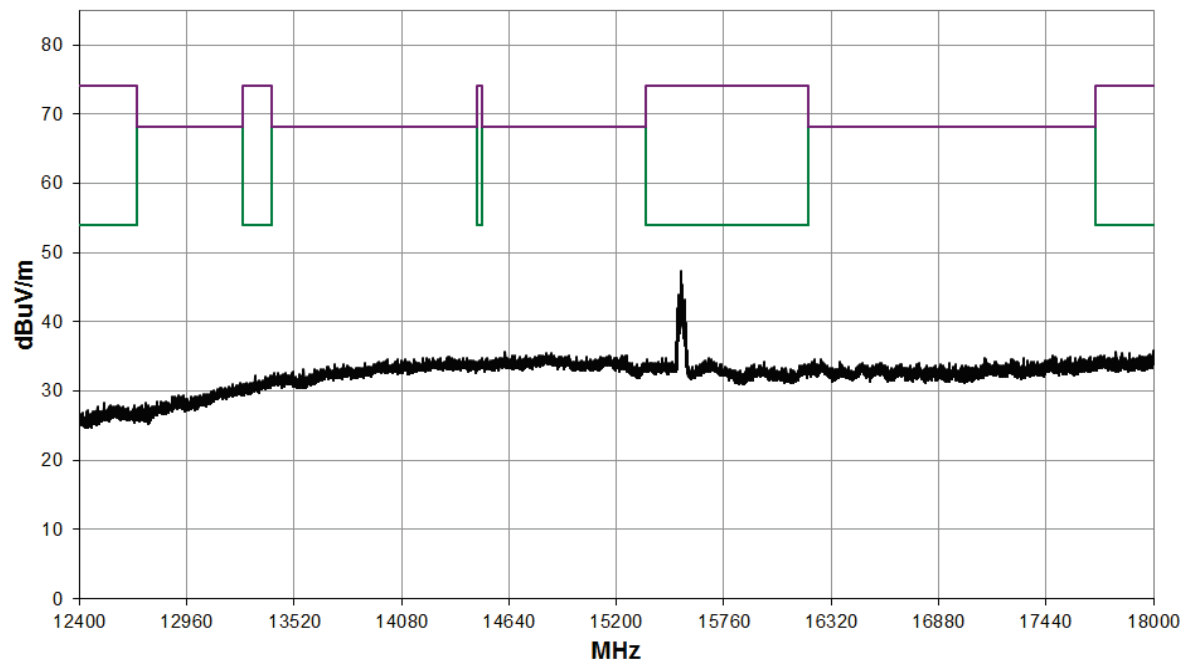
1 GHz to 8.2 GHz



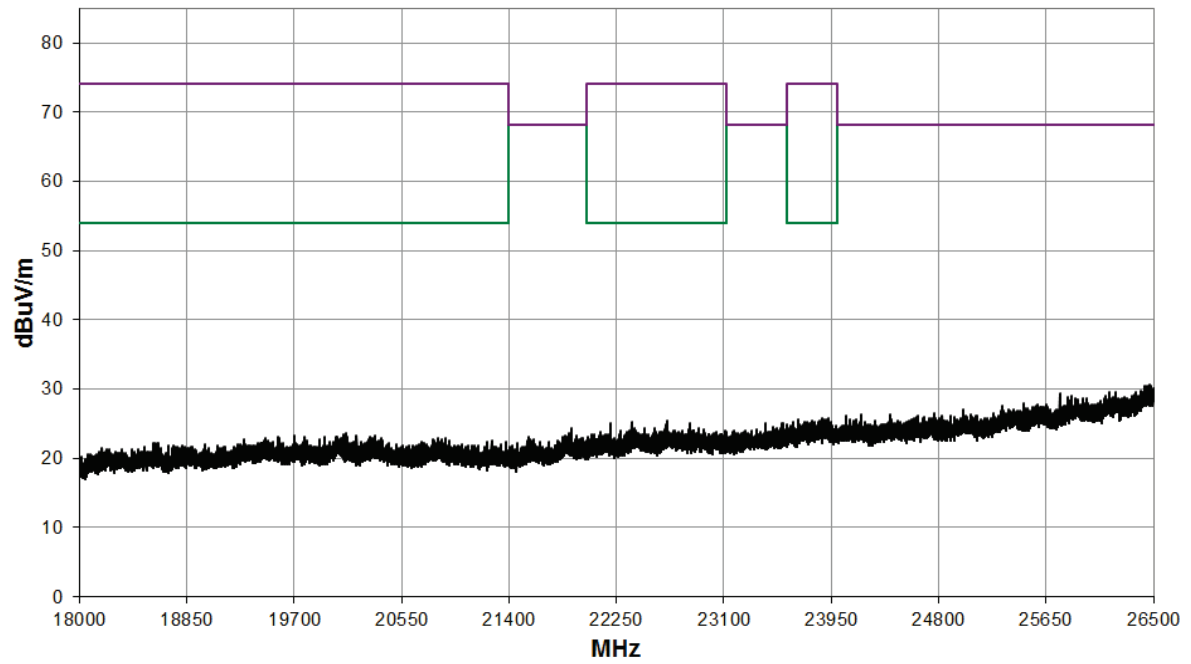
8.2 GHz to 12.4 GHz



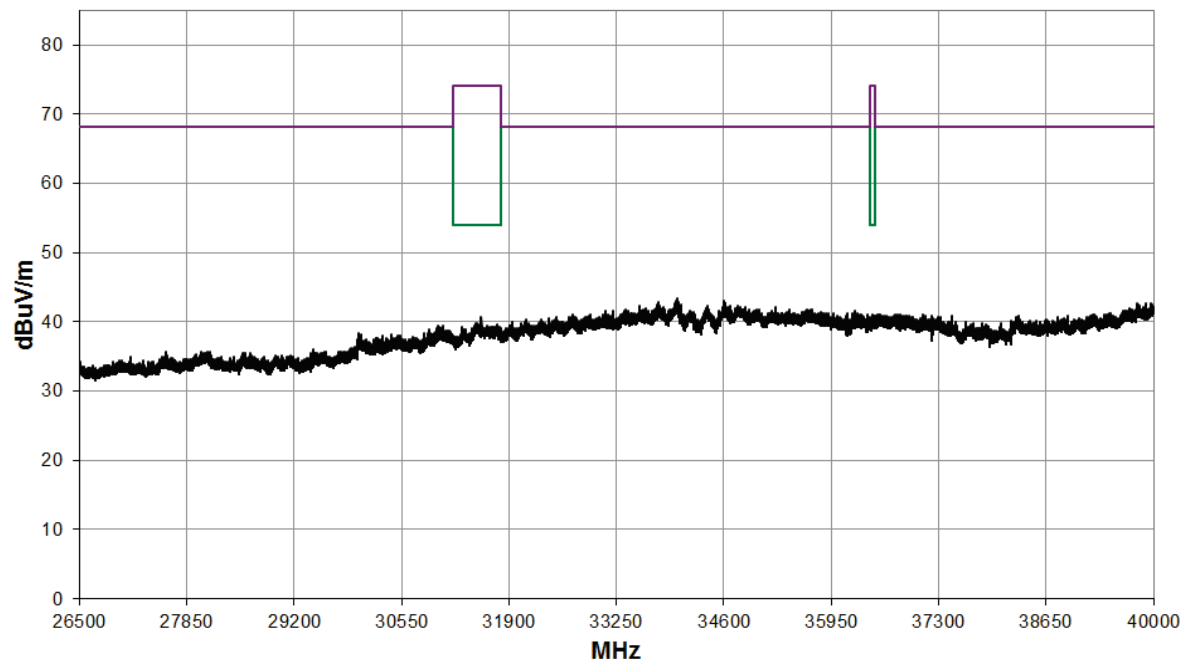
12.4 GHz to 18 GHz



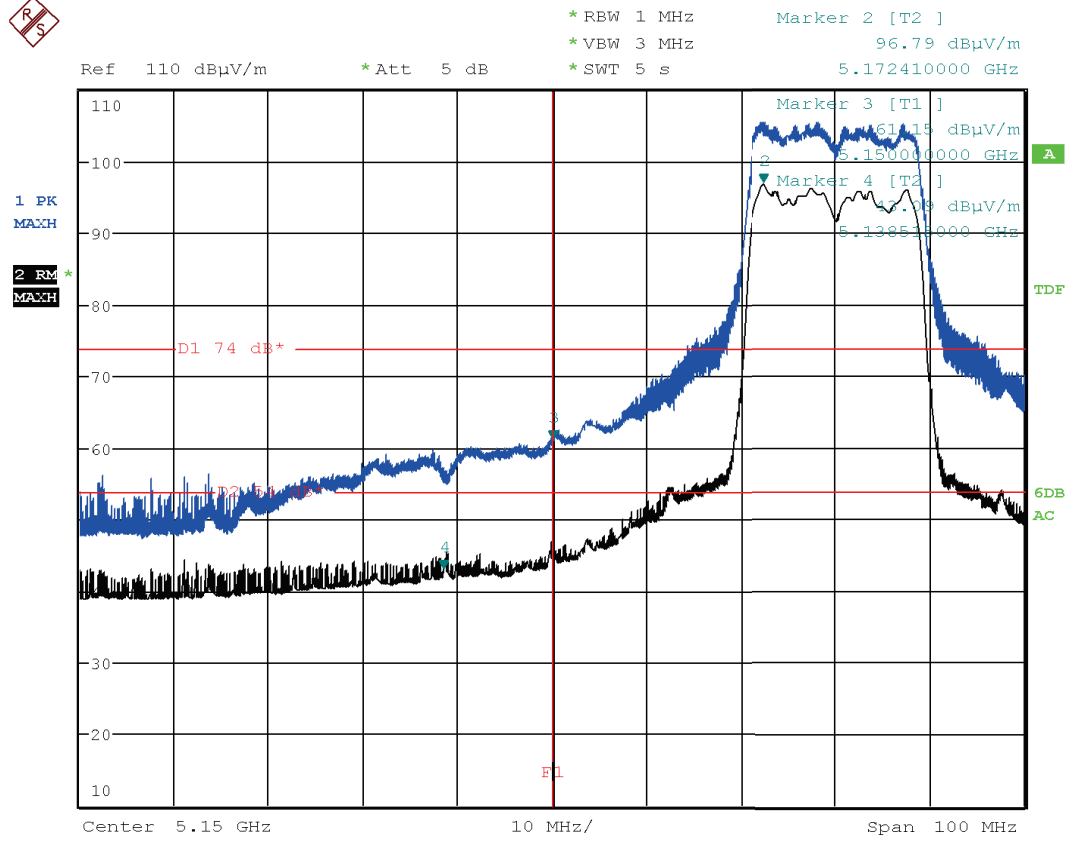
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



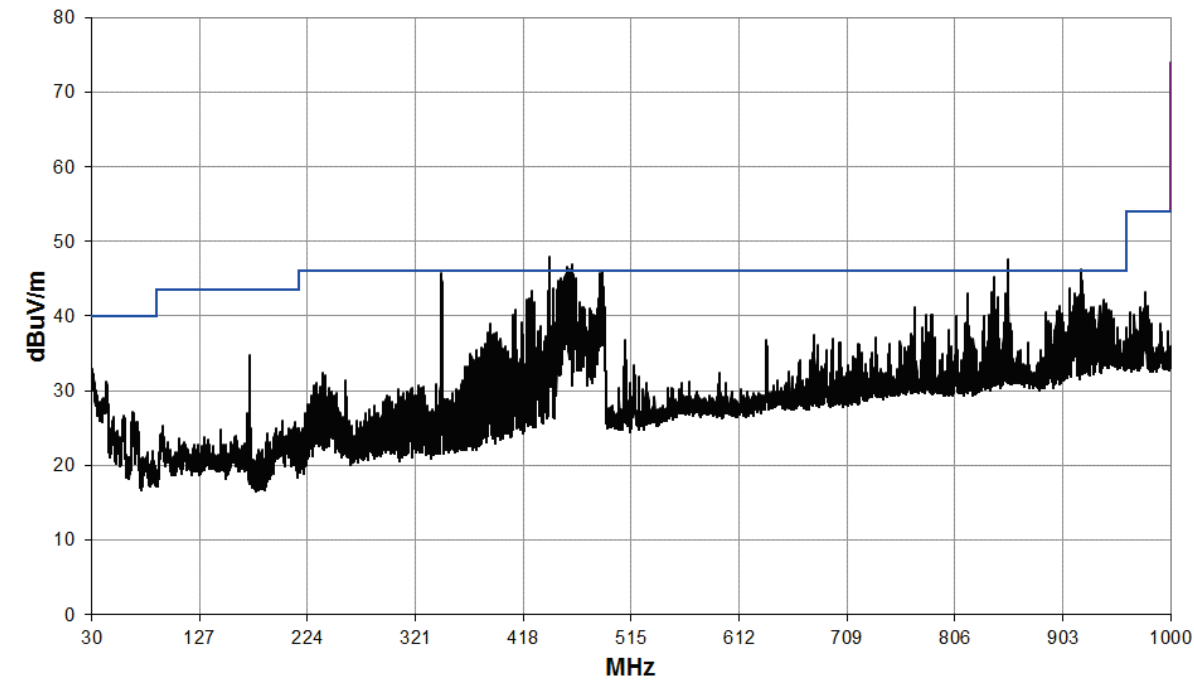
Band Edge



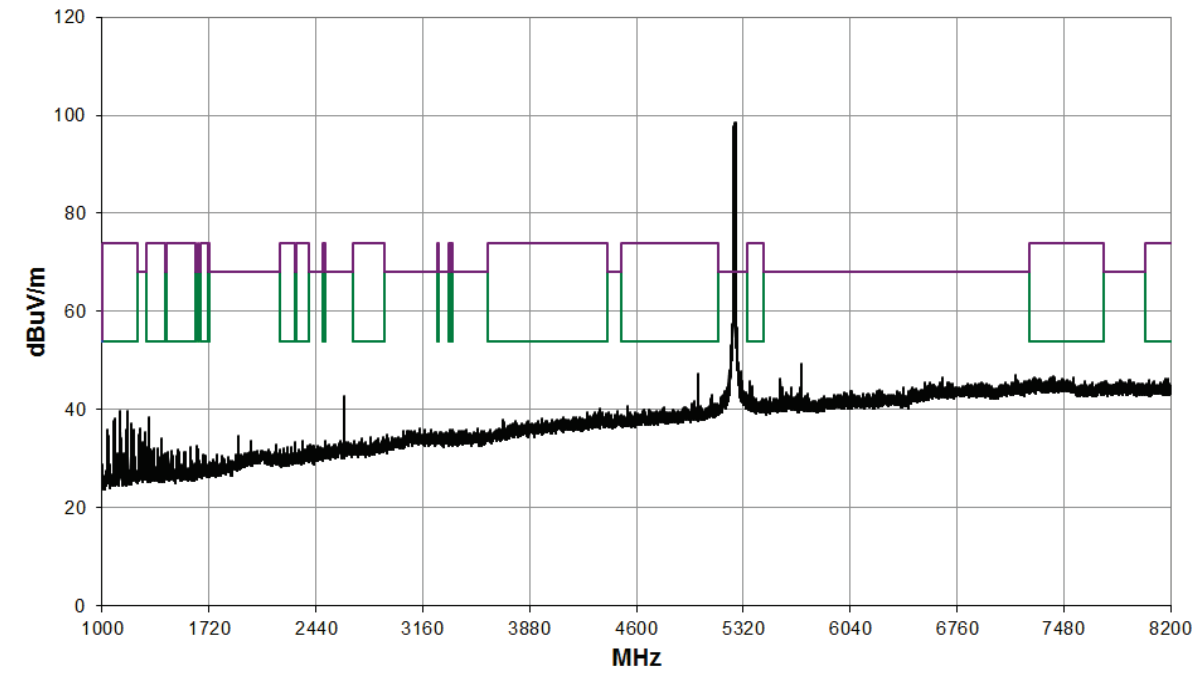
Date: 23.JUN.2020 15:15:51

MIMO; Mode: 802.11n20; Channel: CH52; Frequency: 5260 MHz; Bandwidth: 20 MHz; MCS Index: 8										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	5710.9	11.6	6.0	35.1	0.0	0.0	52.7	0.0	724.4	2500
AV	5014.5	-2.8	5.5	33.3	0.0	0.0	36.0	0.0	63.1	500
AV	15784.0	39.2	11.0	32.1	34.6	0.0	38.2	-9.5	81.3	500

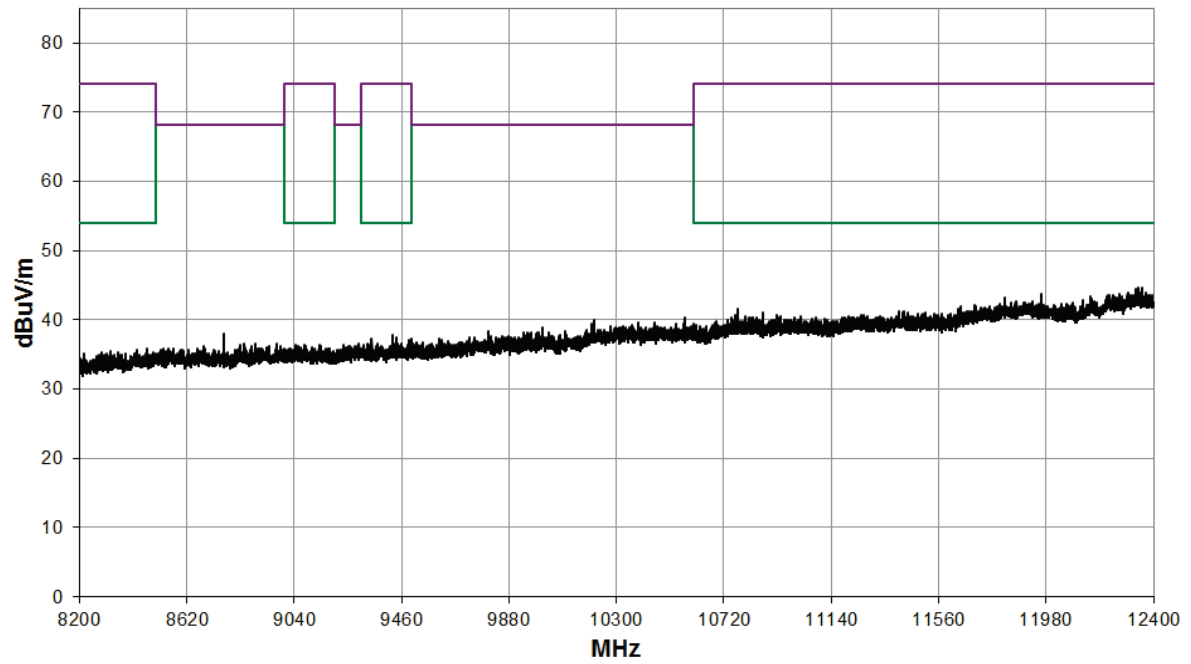
30 MHz to 1 GHz



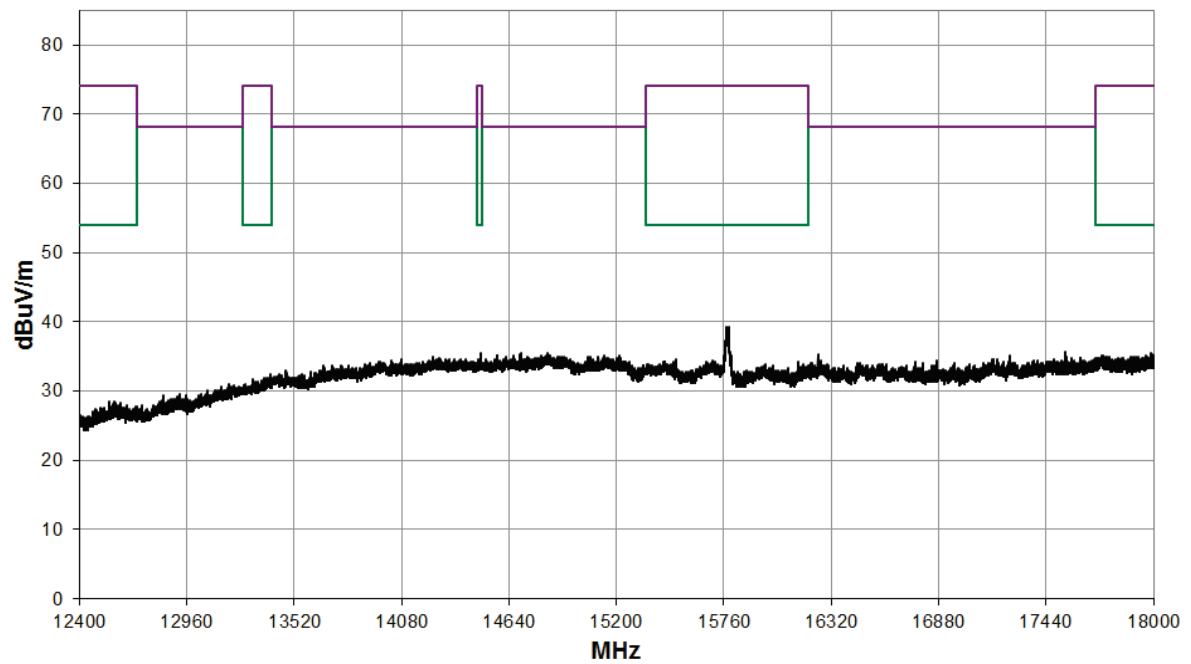
1 GHz to 8.2 GHz



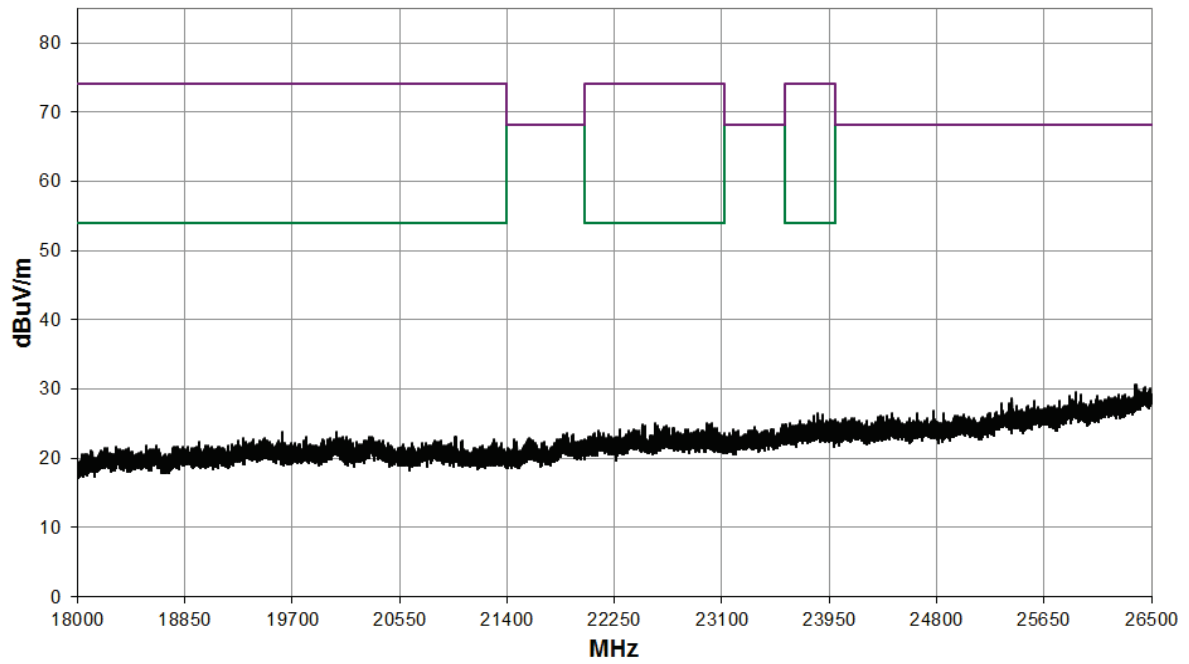
8.2 GHz to 12.4 GHz



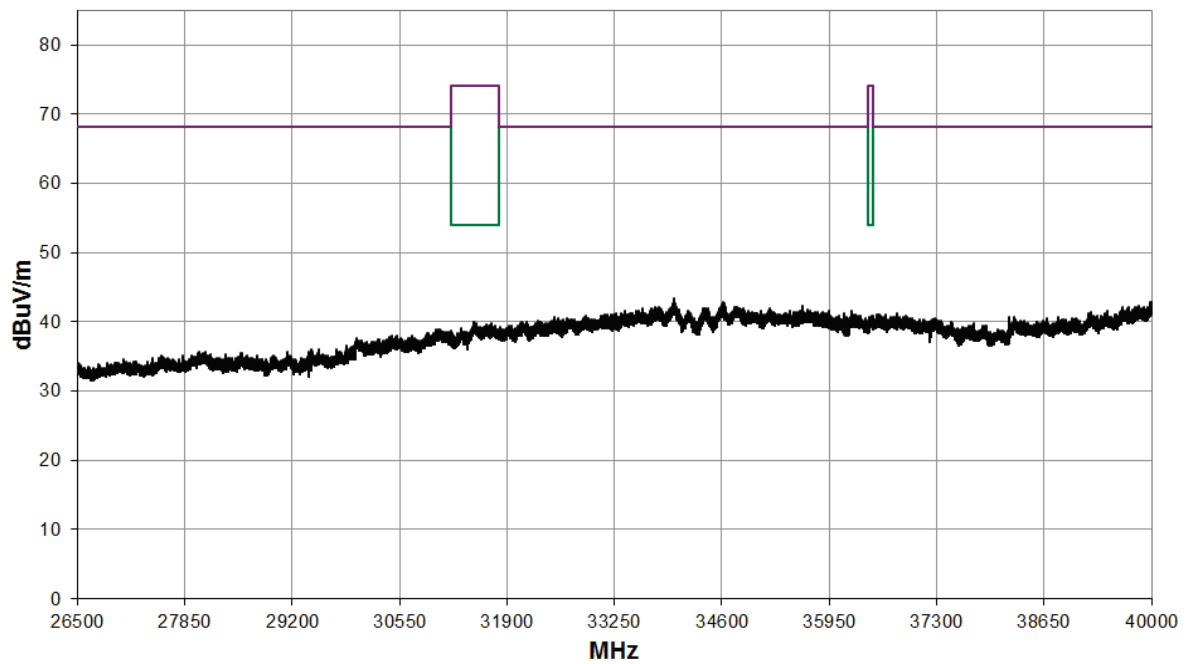
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

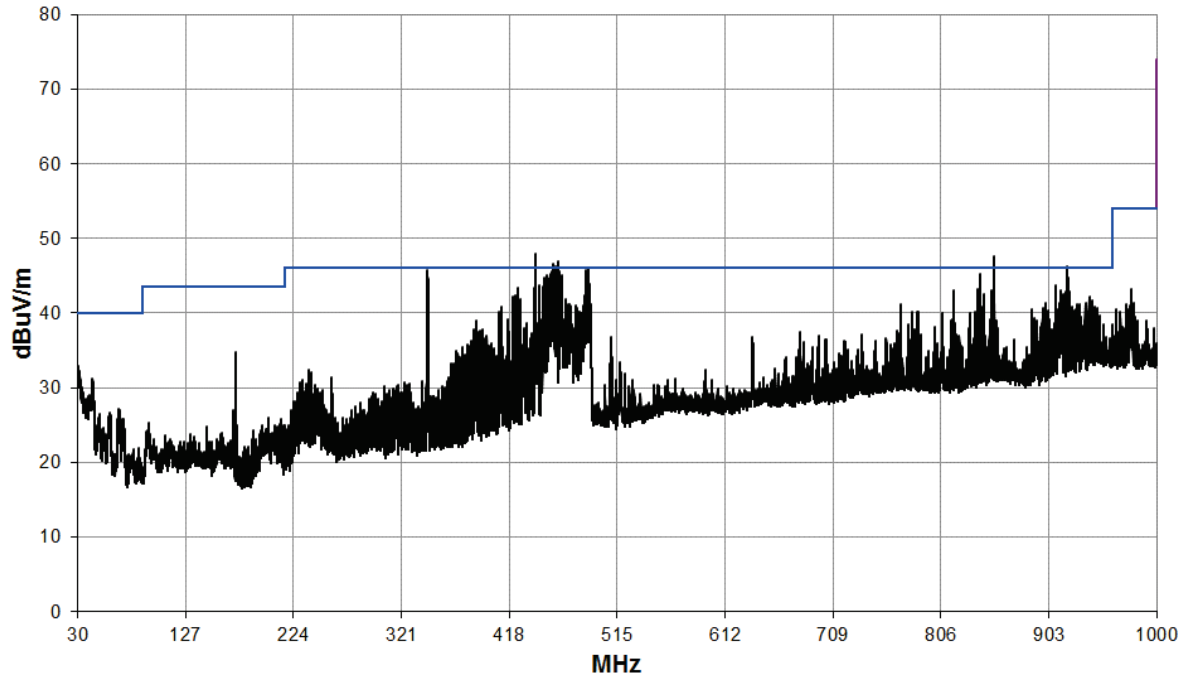


26.5 GHz to 40 GHz

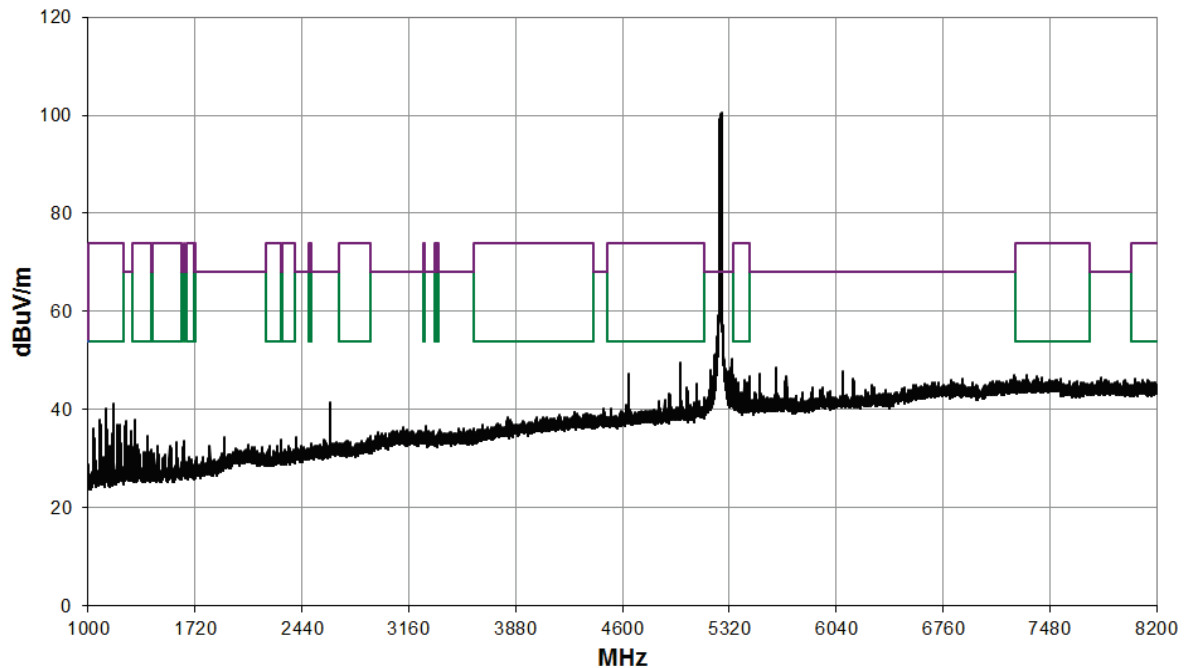


MIMO; Mode: 802.11n20; Channel: CH52; Frequency: 5260 MHz; Bandwidth: 20 MHz; MCS Index: 15										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	4639.5	-4.0	5.3	33.1	0.0	0.0	34.4	0.0	52.5	500
AV	4993.5	-3.7	5.5	33.3	0.0	0.0	35.1	0.0	56.8	500
PK	4993.5	16.1	5.5	33.3	0.0	0.0	54.9	0.0	555.9	5000
AV	15779.9	38.5	11.0	32.1	34.6	0.0	37.5	0.0	75.0	500

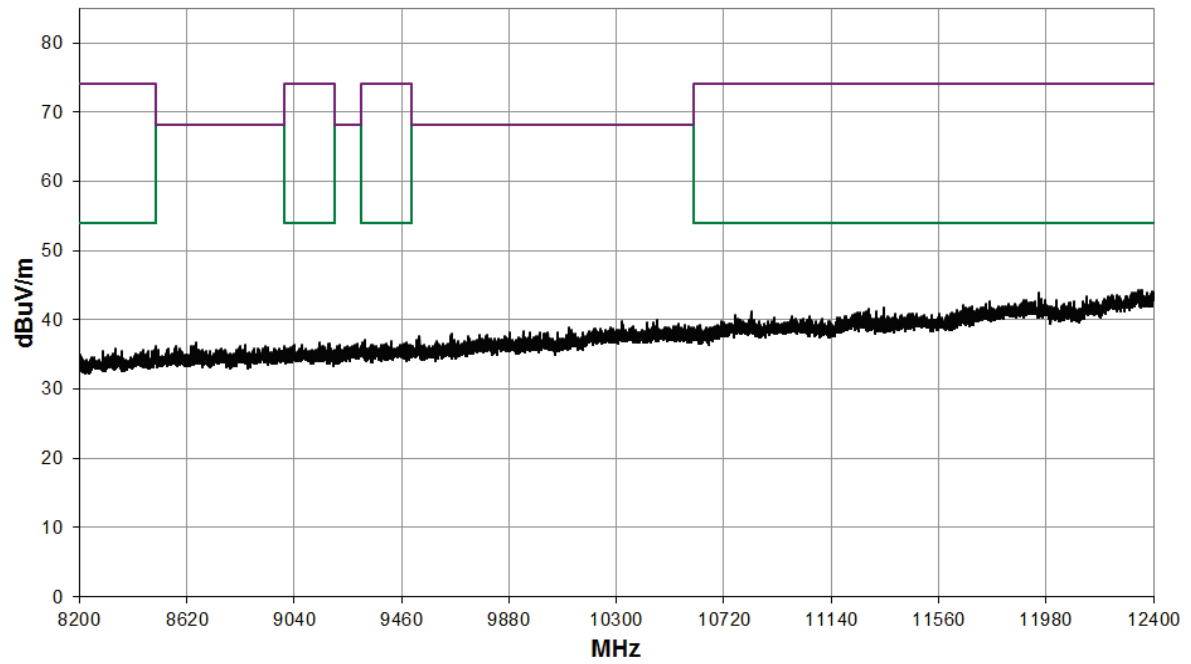
30 MHz to 1 GHz



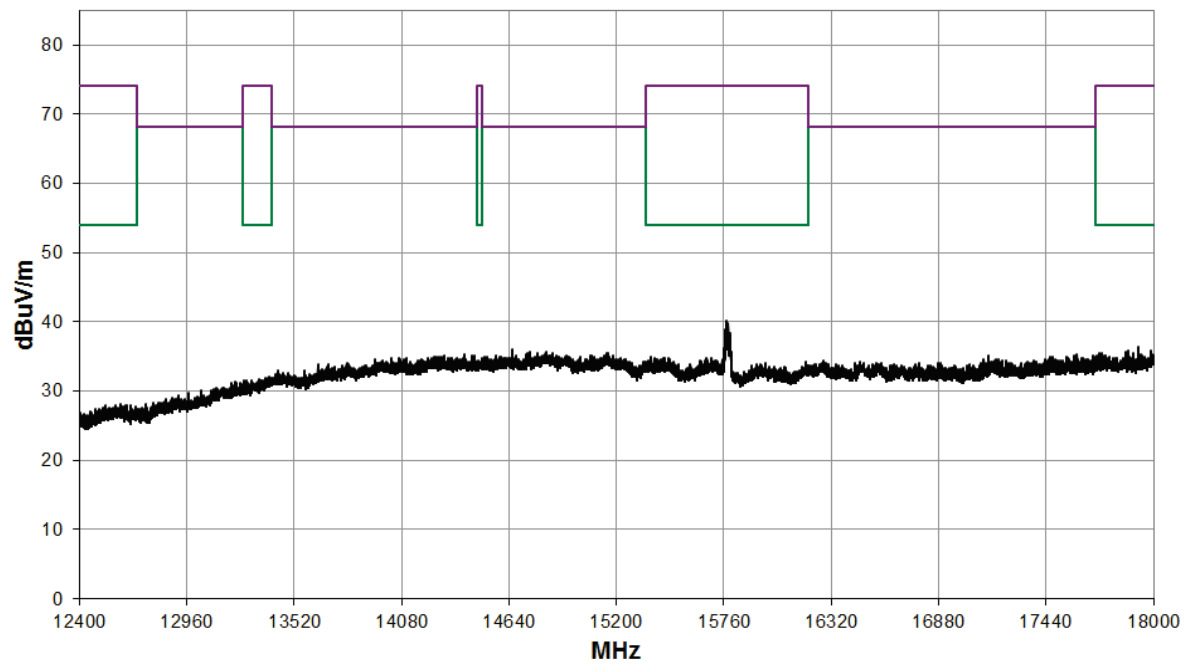
1 GHz to 8.2 GHz



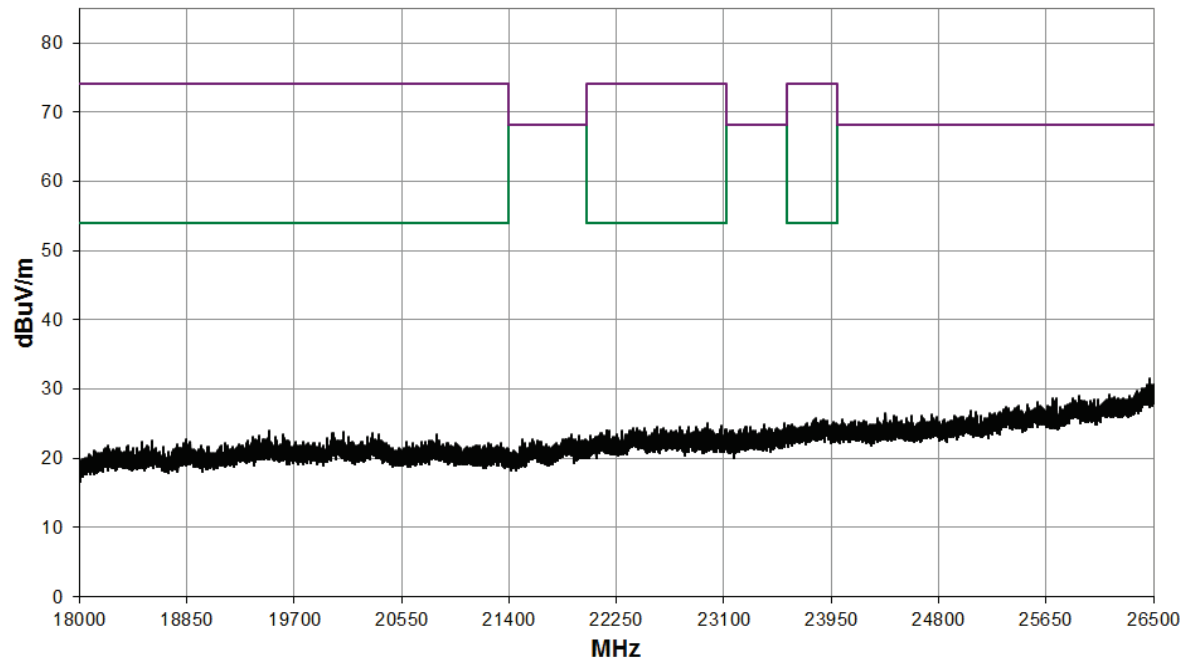
8.2 GHz to 12.4 GHz



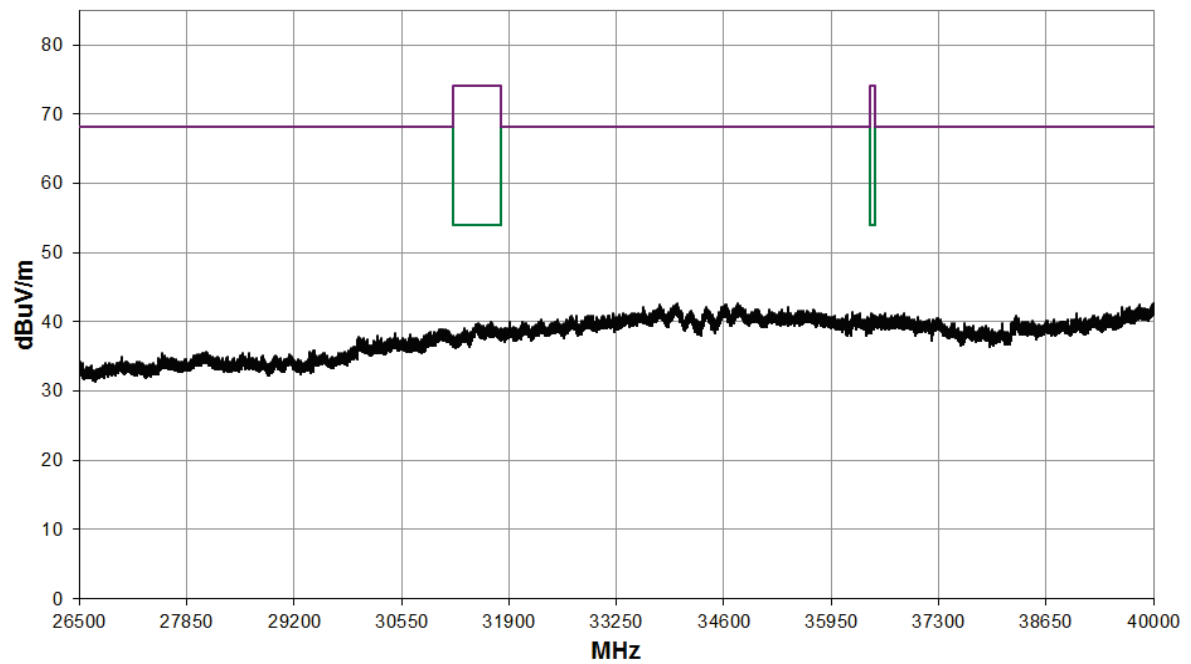
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

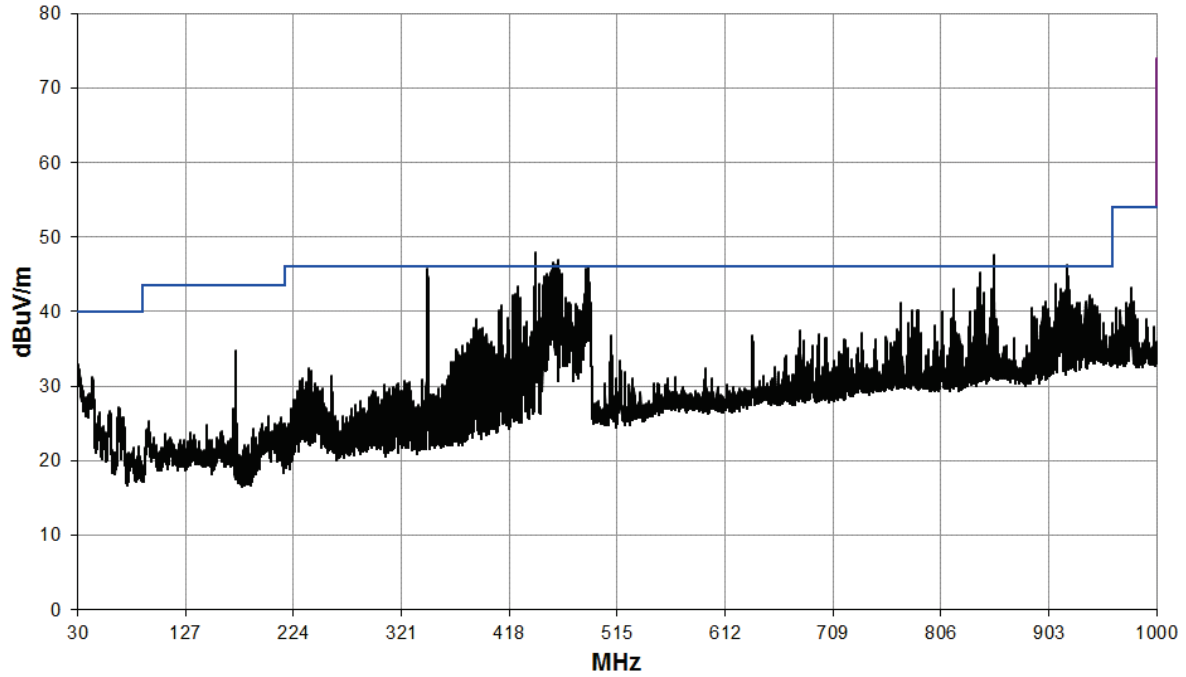


26.5 GHz to 40 GHz

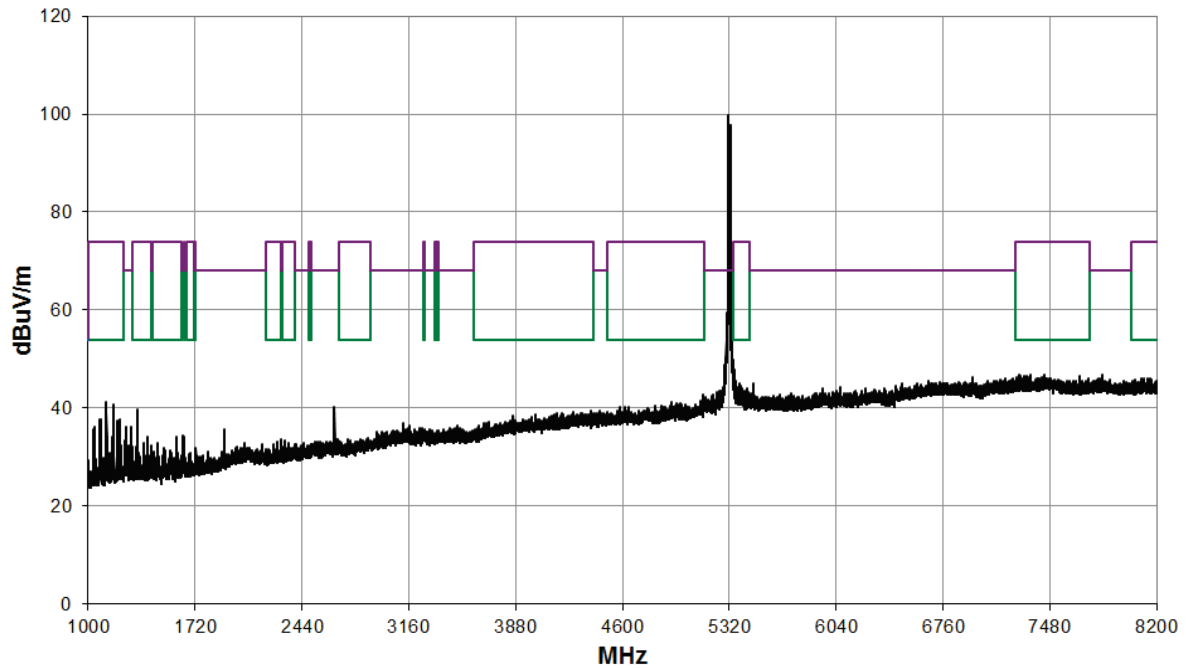


MIMO; Mode: 802.11n20; Channel: CH64; Frequency: 5320 MHz; Bandwidth: 20 MHz; MCS Index: 8										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	15967.0	39.8	11.1	32.3	34.7	0.0	39.0	-9.5	89.1	500
PK	15966.0	55.0	11.1	32.3	34.7	0.0	54.2	-9.5	512.9	5000

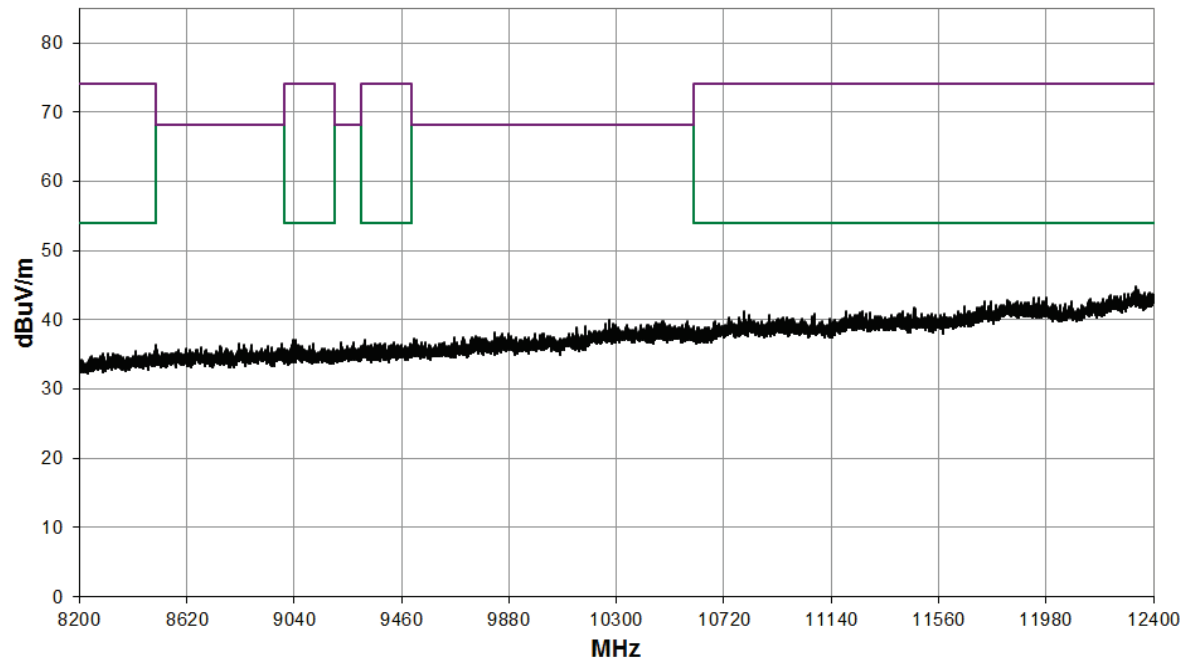
30 MHz to 1 GHz



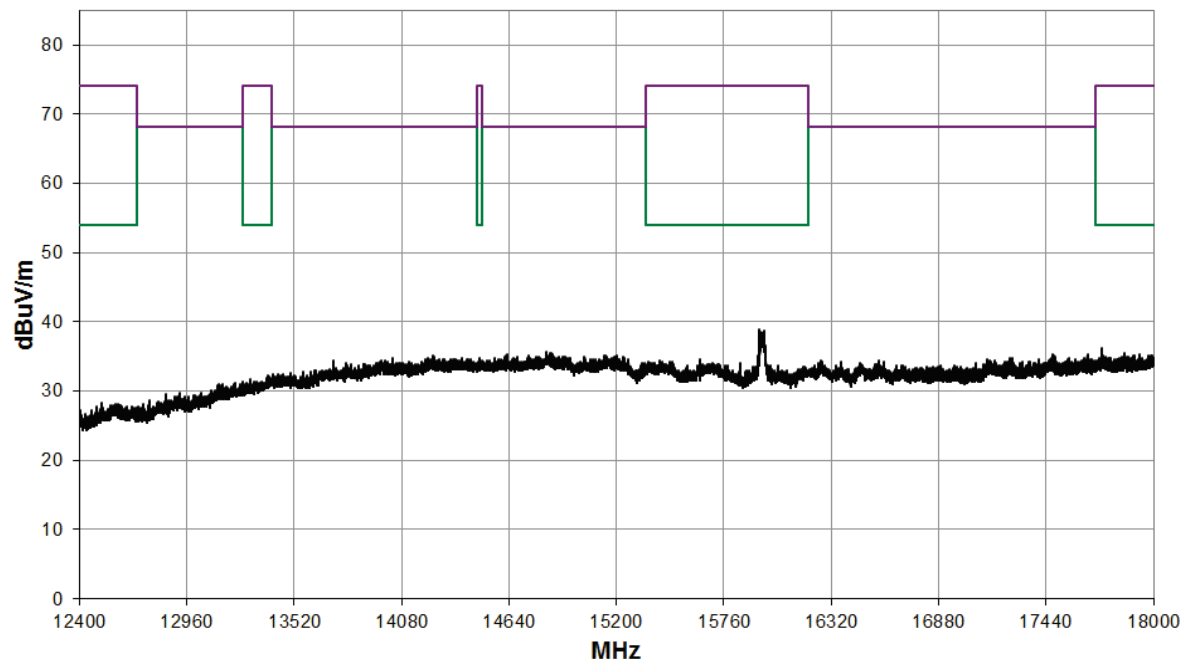
1 GHz to 8.2 GHz



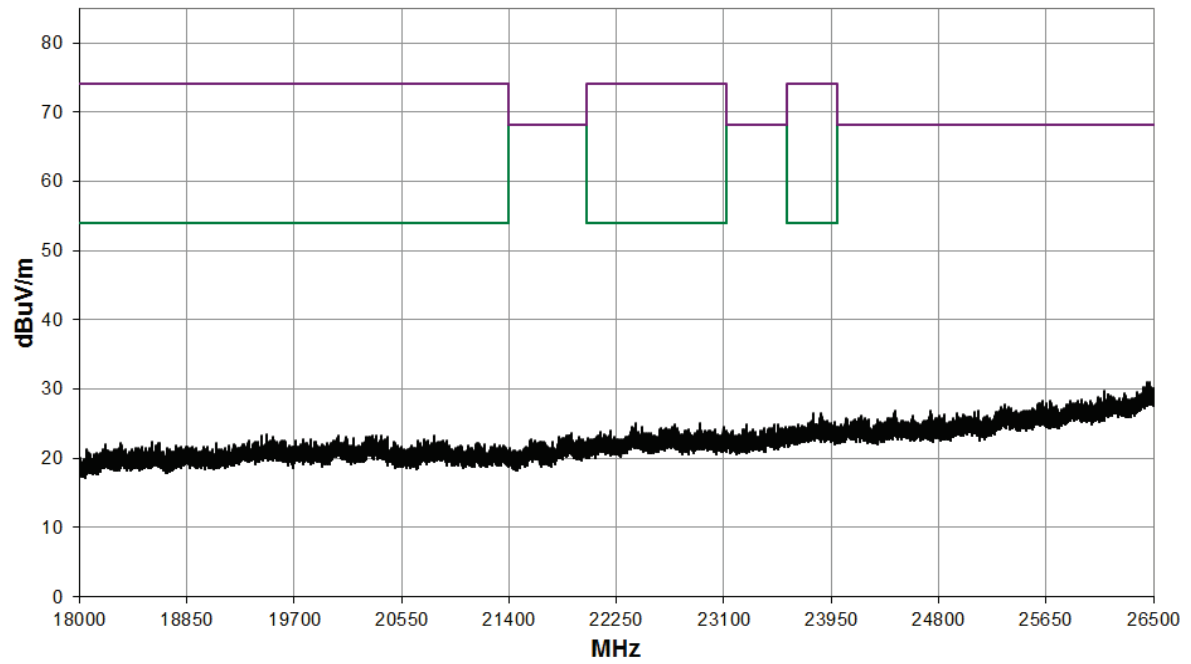
8.2 GHz to 12.4 GHz



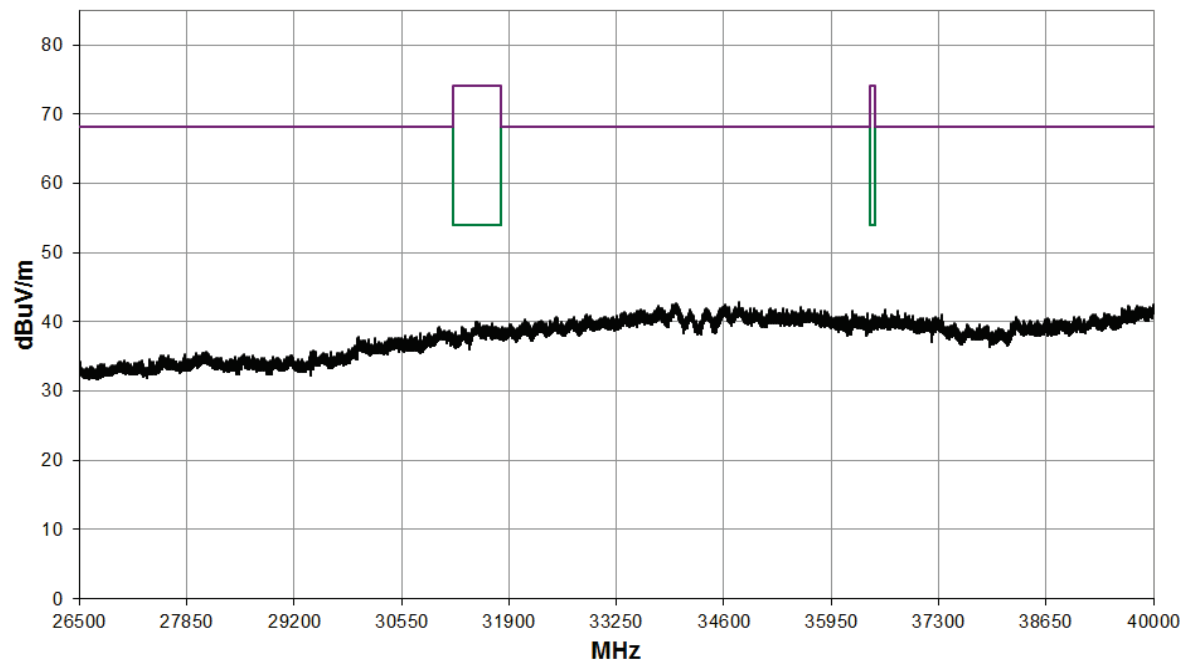
12.4 GHz to 18 GHz



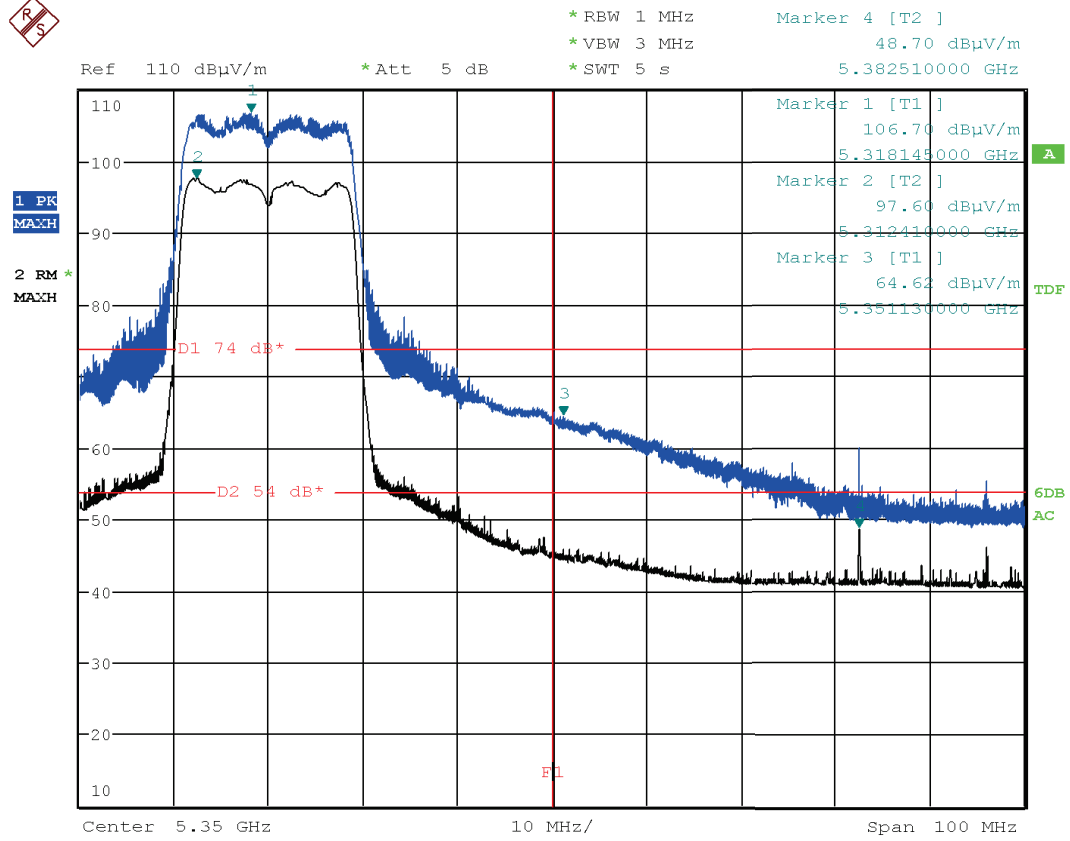
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



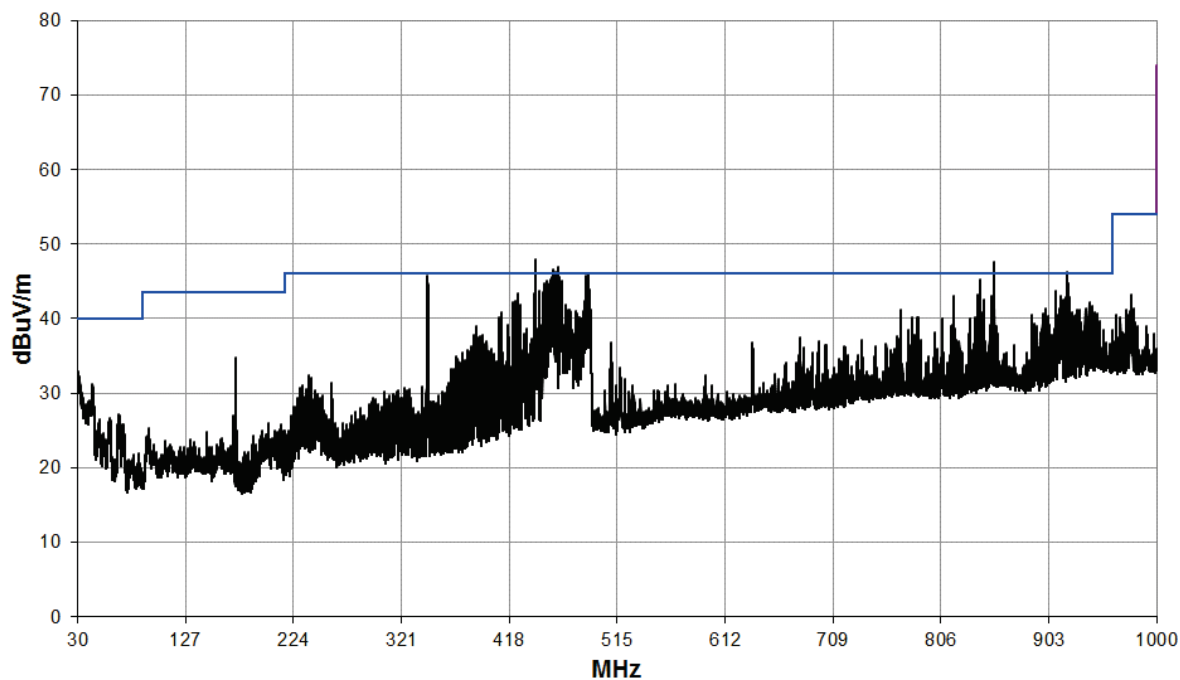
Band Edge



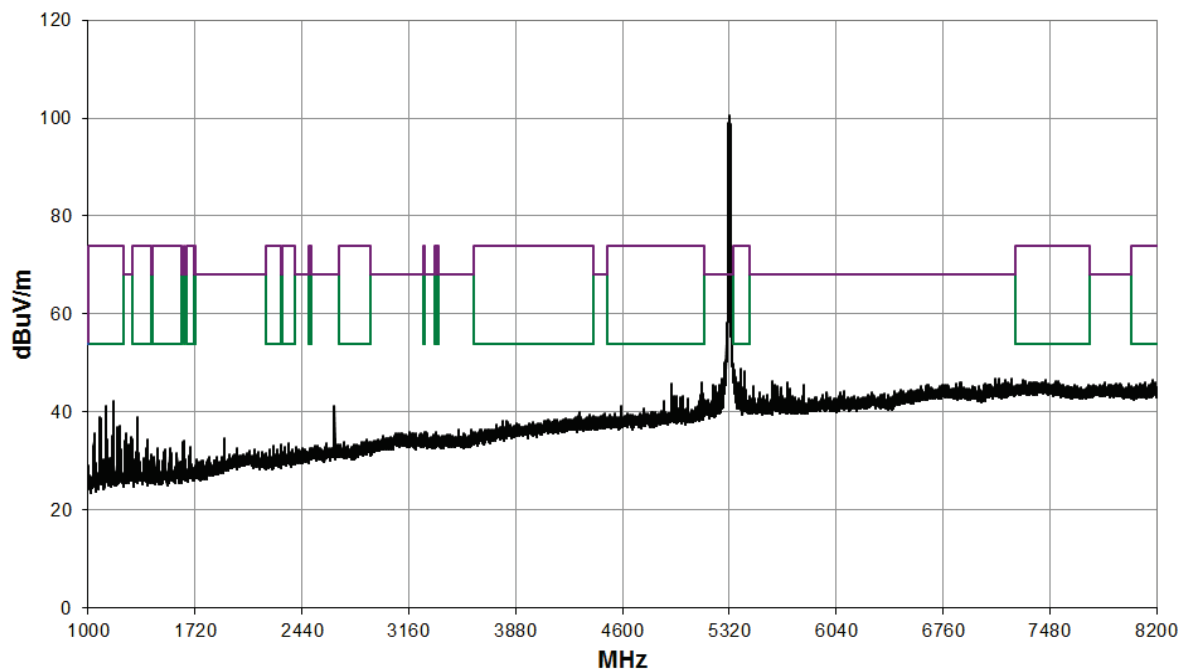
Date: 23.JUN.2020 13:30:07

MIMO; Mode: 802.11n20; Channel: CH64; Frequency: 5320 MHz; Bandwidth: 20 MHz; MCS Index: 15										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	4962.4	-3.2	5.5	33.3	0.0	0.0	35.6	0.0	60.2	500
PK	4962.5	16.8	5.5	33.3	0.0	0.0	55.6	0.0	602.6	5000

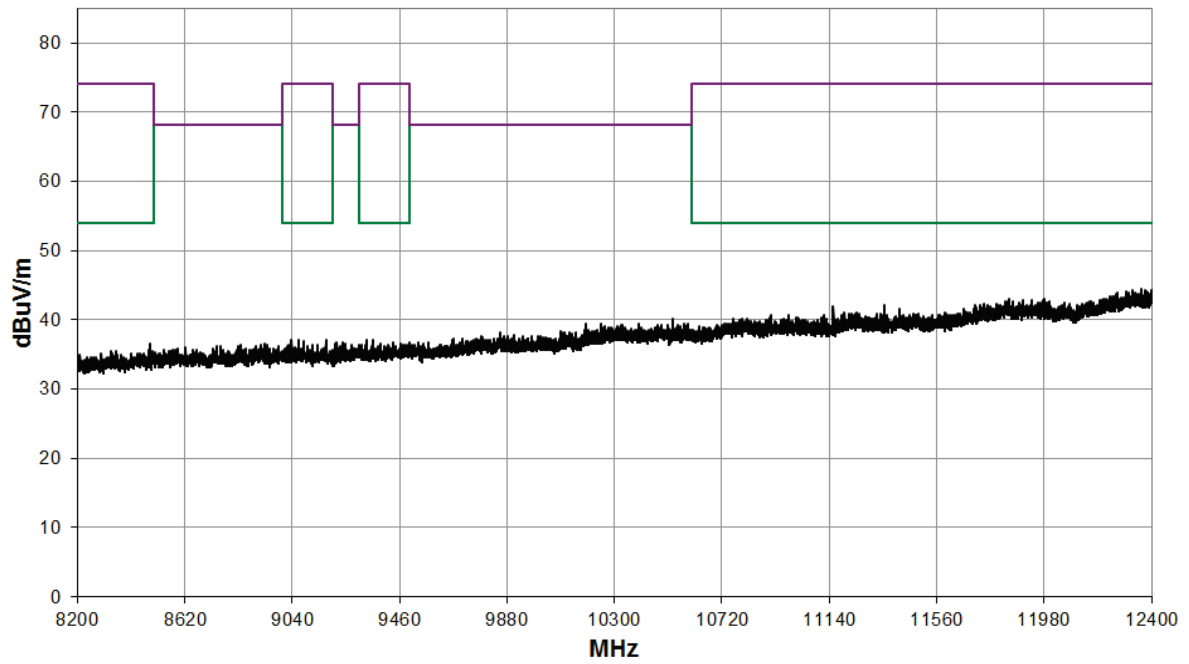
30 MHz to 1 GHz



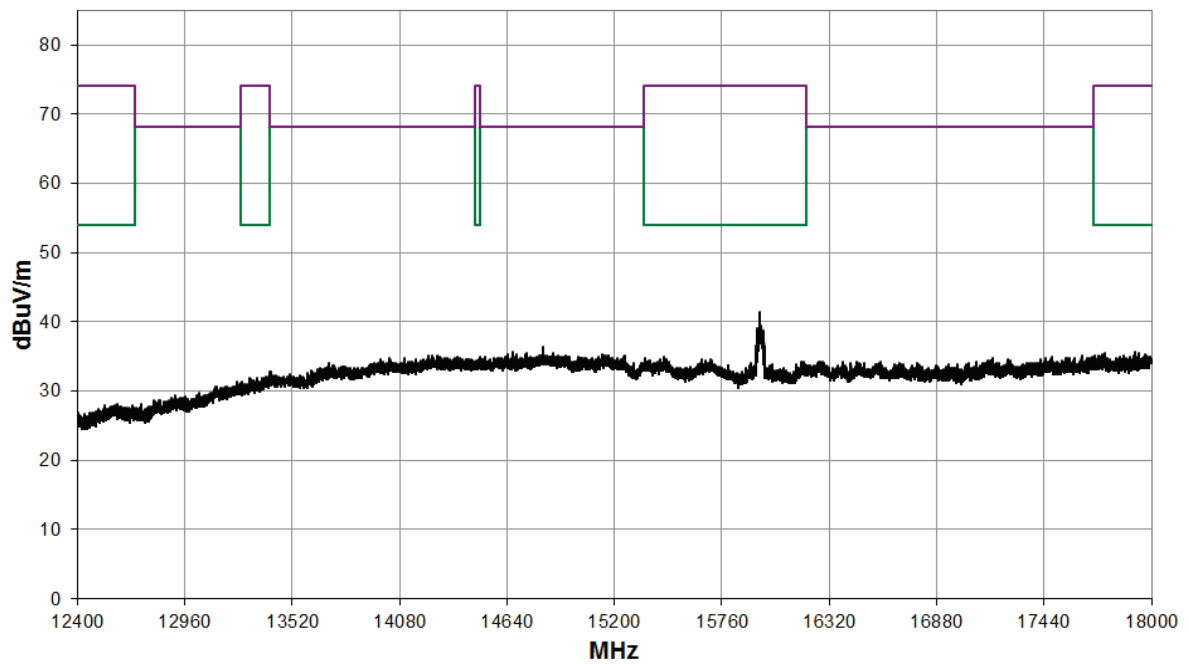
1 GHz to 8.2 GHz



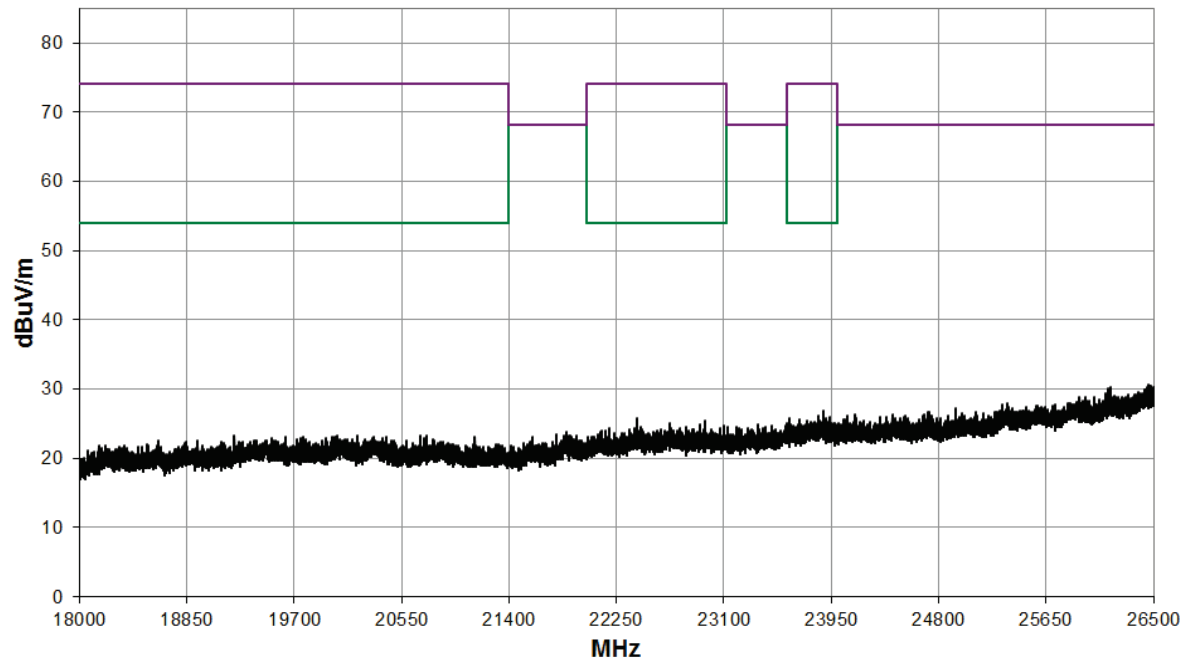
8.2 GHz to 12.4 GHz



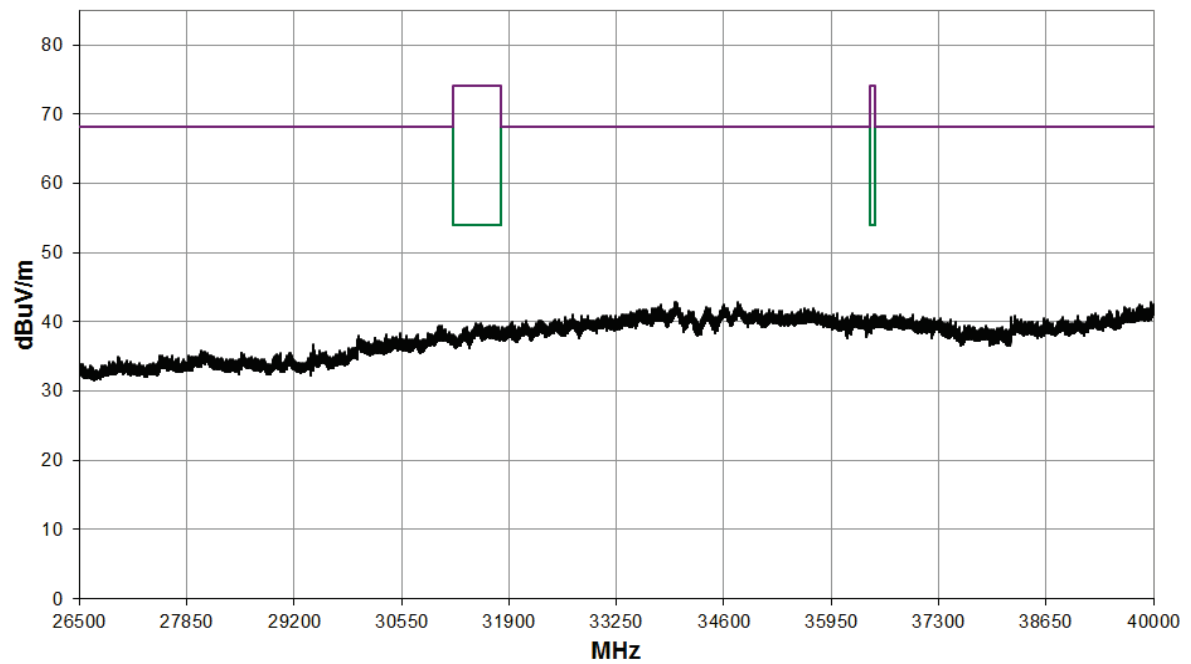
12.4 GHz to 18 GHz



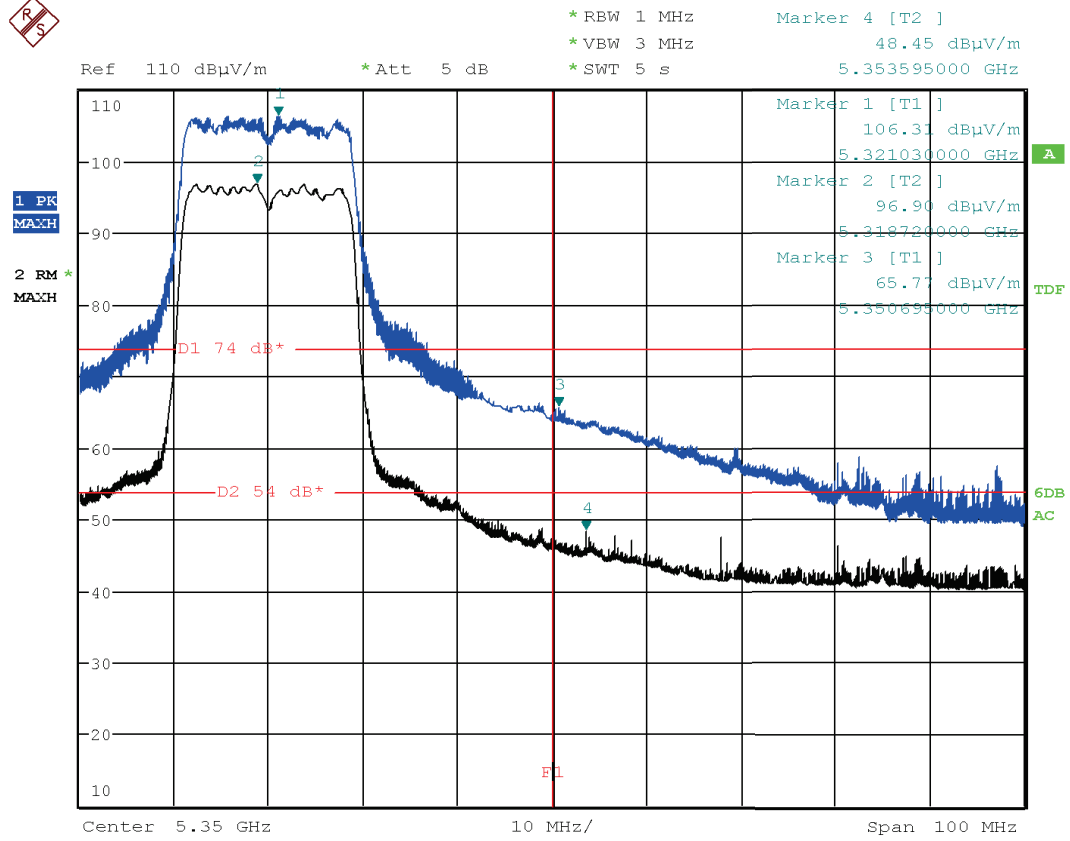
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



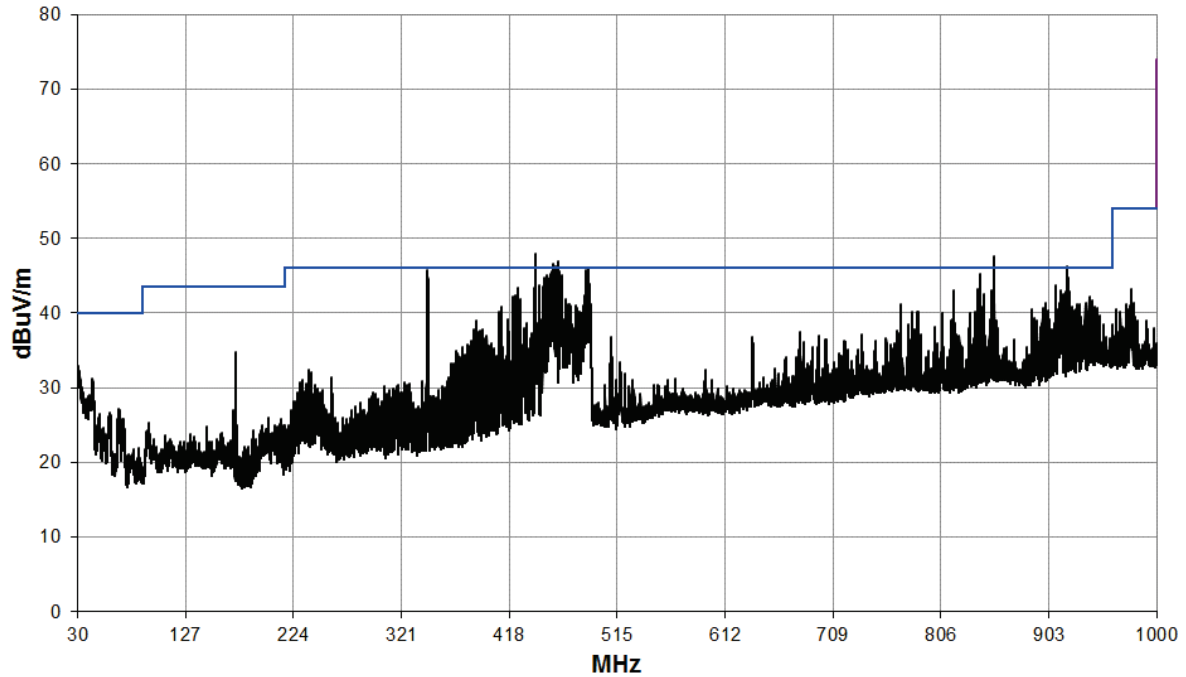
Band Edge



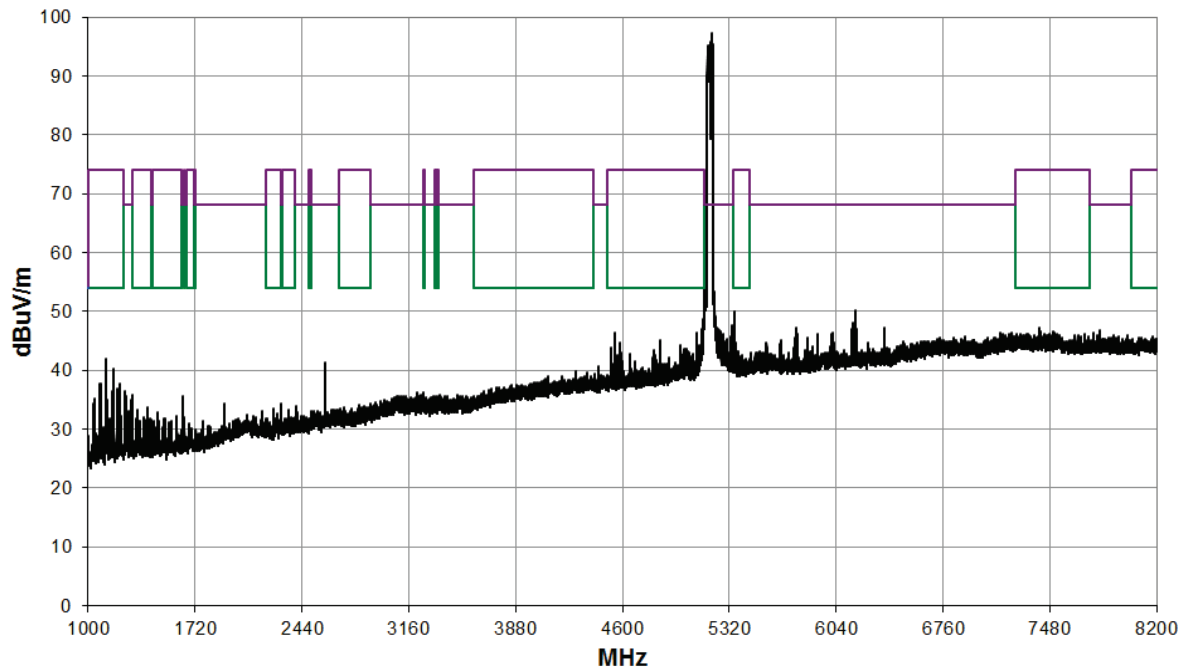
Date: 23.JUN.2020 13:28:26

MIMO; Mode: 802.11n40; Channel: CH38; Frequency: 5190 MHz; Bandwidth: 40 MHz; MCS Index: 8										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	4547.1	16.9	5.2	32.8	0.0	0.0	54.9	0.0	555.9	5000
AV	4549.0	-3.7	5.2	32.8	0.0	0.0	34.3	0.0	51.9	500
PK	6169.7	13.3	6.3	36.2	0.0	0.0	55.8	0.0	616.6	2500
AV	15562.8	37.4	10.9	31.9	34.4	0.0	36.3	-9.5	65.3	500

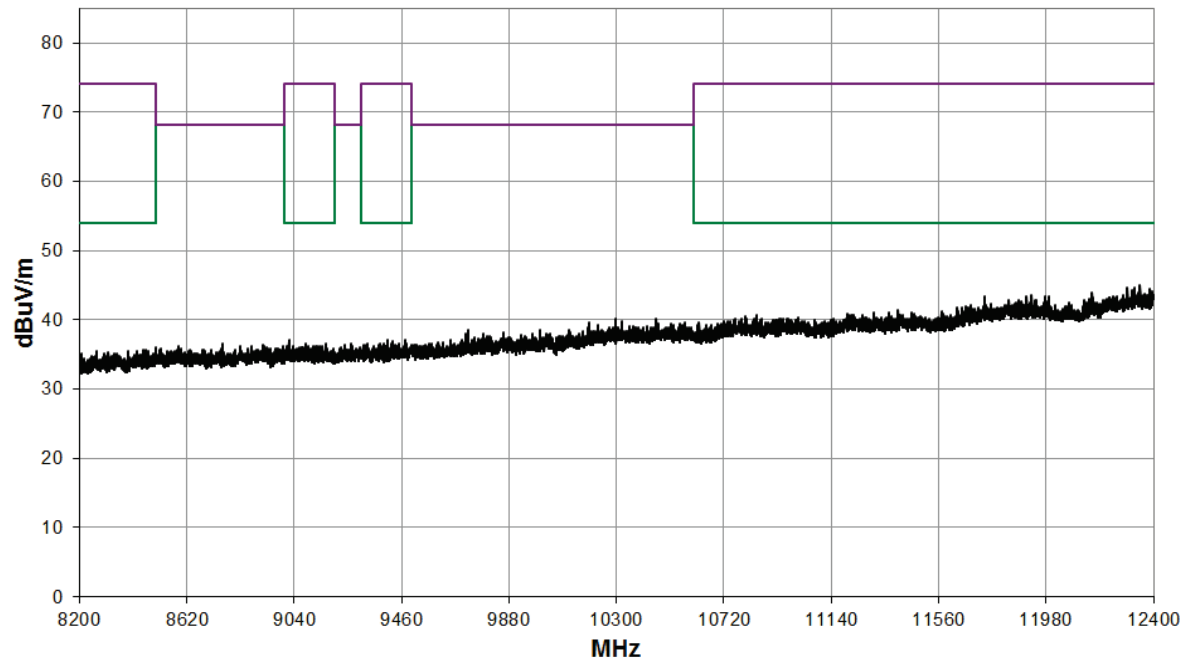
30 MHz to 1 GHz



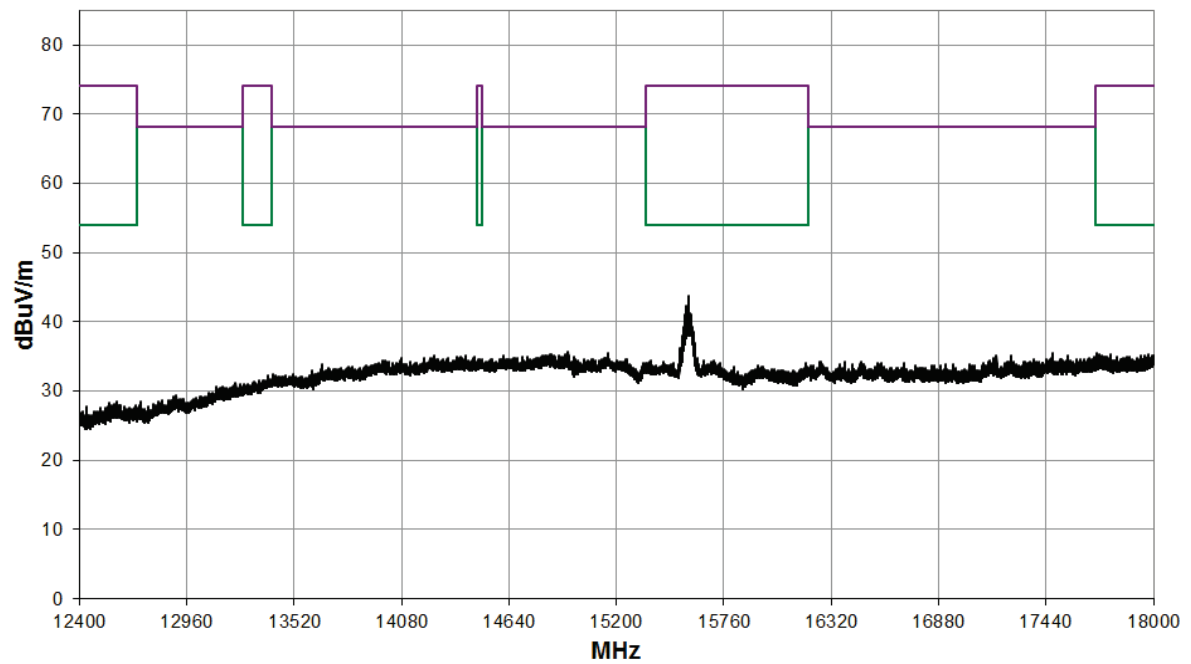
1 GHz to 8.2 GHz



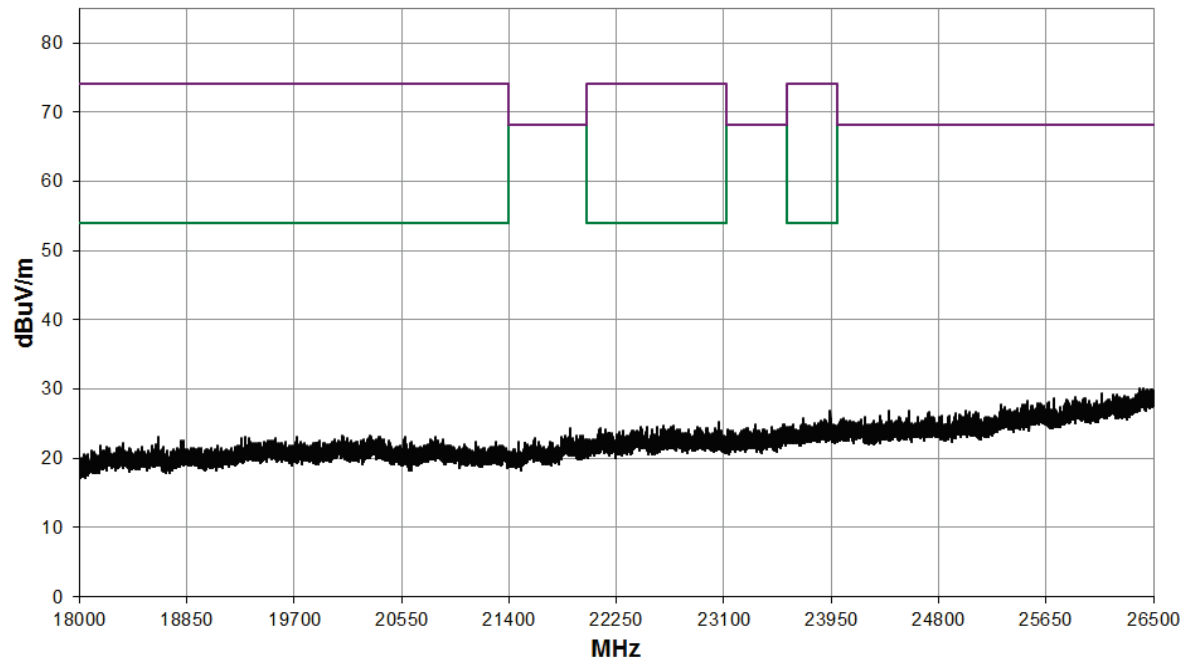
8.2 GHz to 12.4 GHz



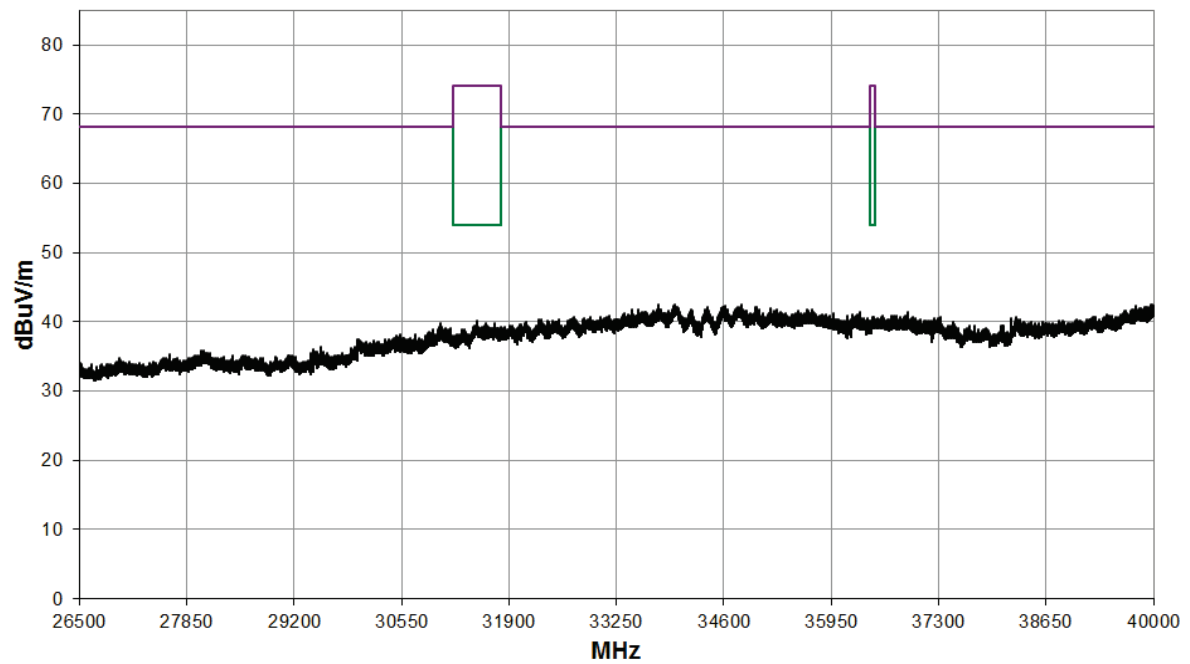
12.4 GHz to 18 GHz



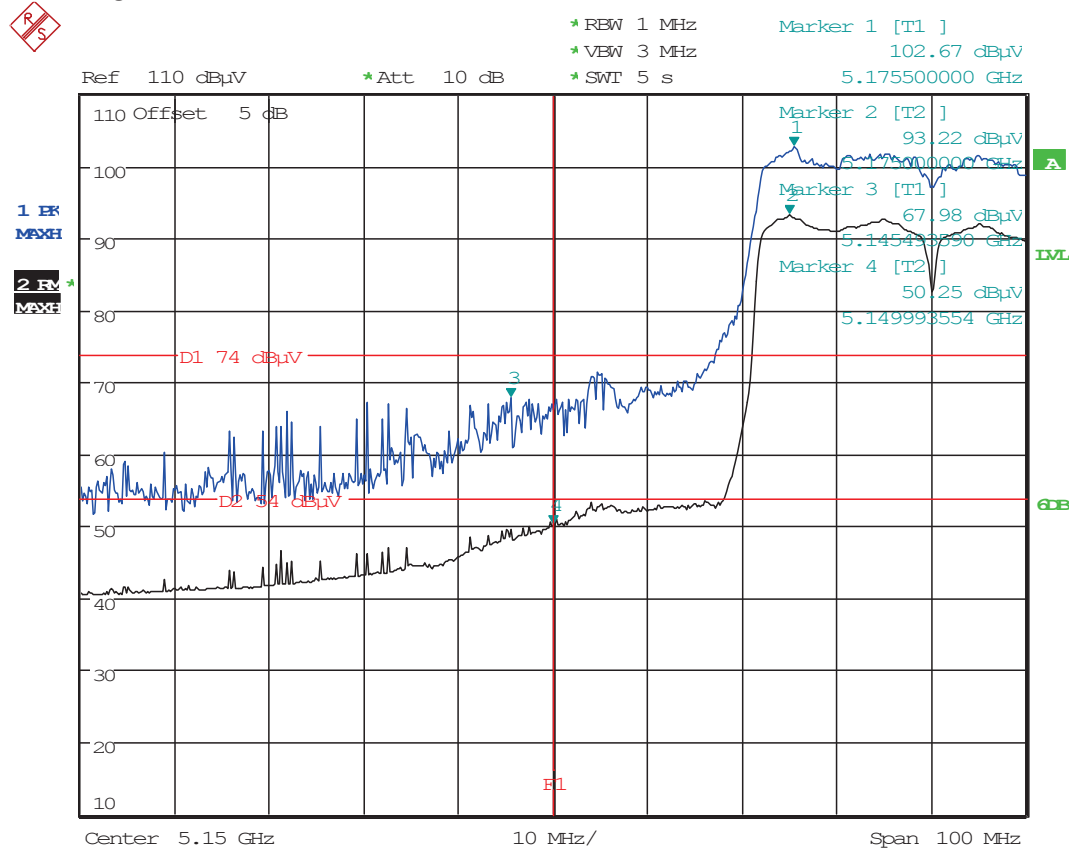
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



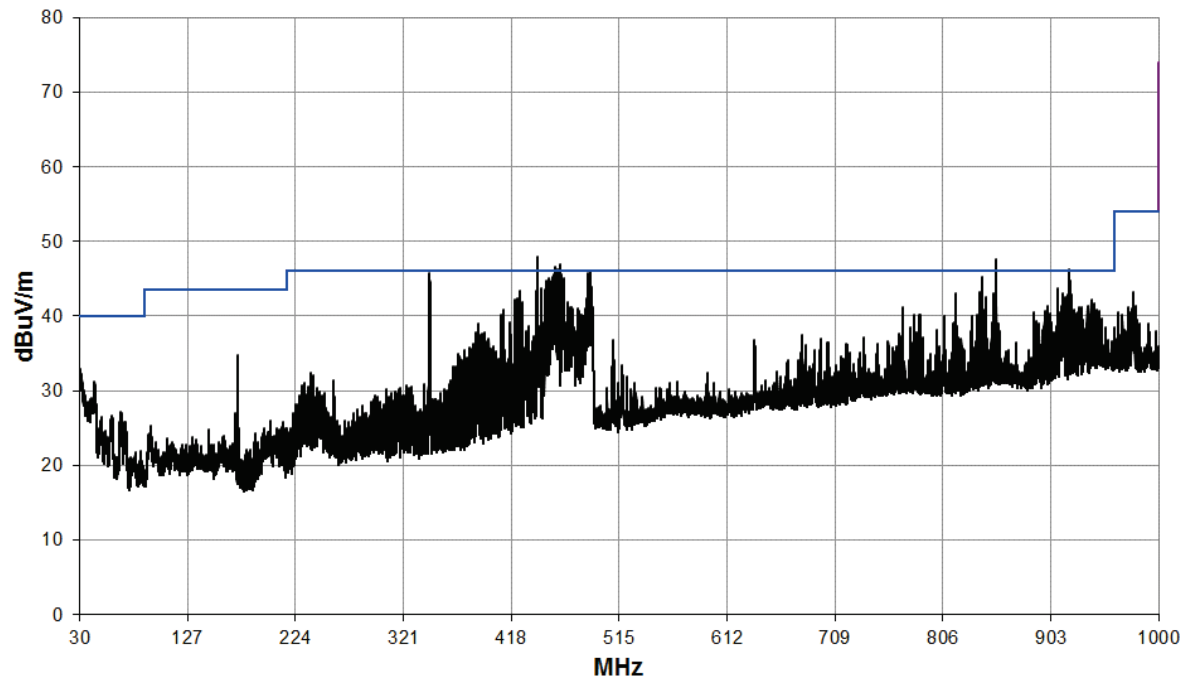
Band Edge



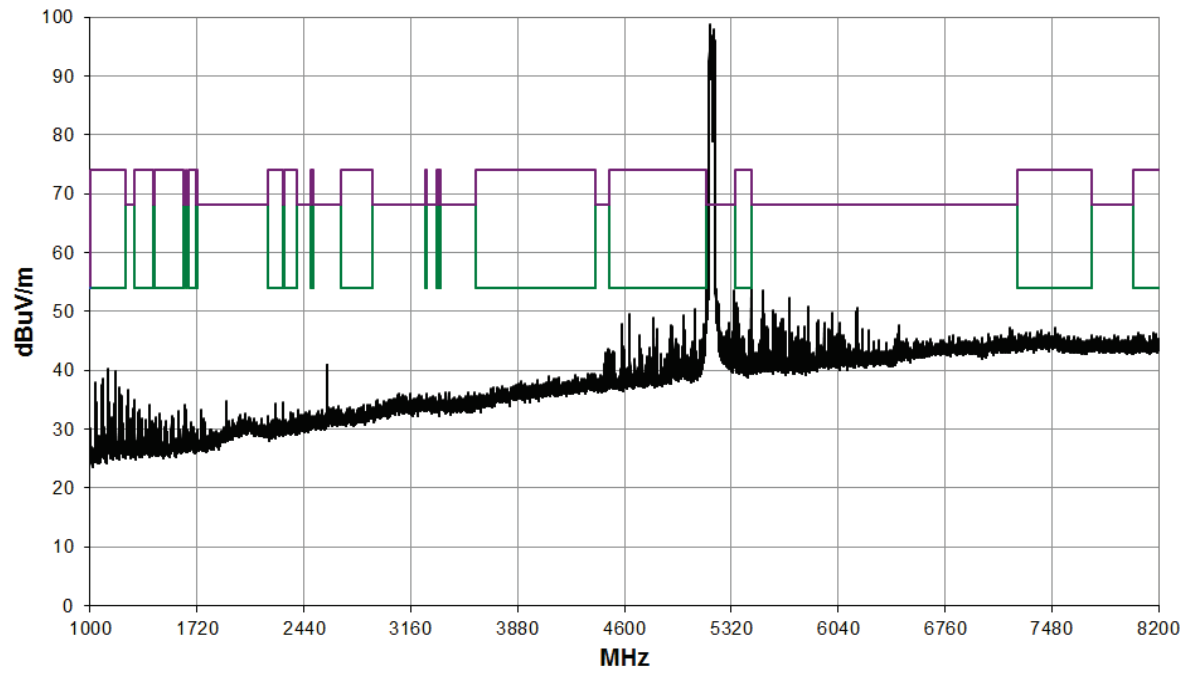
Date: 15.MAR.2021 02:55:09

MIMO; Mode: 802.11n40; Channel: CH38; Frequency: 5190 MHz; Bandwidth: 40 MHz; MCS Index: 15										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	4920.8	21.6	5.5	33.3	0.0	0.0	60.4	0.0	1047.1	5000
AV	4925.0	-2.9	5.5	33.3	0.0	0.0	35.9	0.0	62.4	500
PK	5360.0	24.3	5.8	34.6	0.0	0.0	64.7	0.0	1717.9	5000
AV	5360.0	-2.4	5.8	34.6	0.0	0.0	38.0	0.0	79.4	500
PK	5529.7	17.2	5.9	34.9	0.0	0.0	58.0	0.0	794.3	2500
PK	5707.8	22.5	6.0	35.1	0.0	0.0	63.6	0.0	1513.5	2500
PK	6164.6	19.5	6.3	36.2	0.0	0.0	62.0	0.0	1258.9	2500
AV	15582.7	42.4	10.9	32.1	34.4	0.0	41.5	-9.5	118.9	500
PK	15583.0	55.1	10.9	32.1	34.4	0.0	54.2	-9.5	512.9	5000

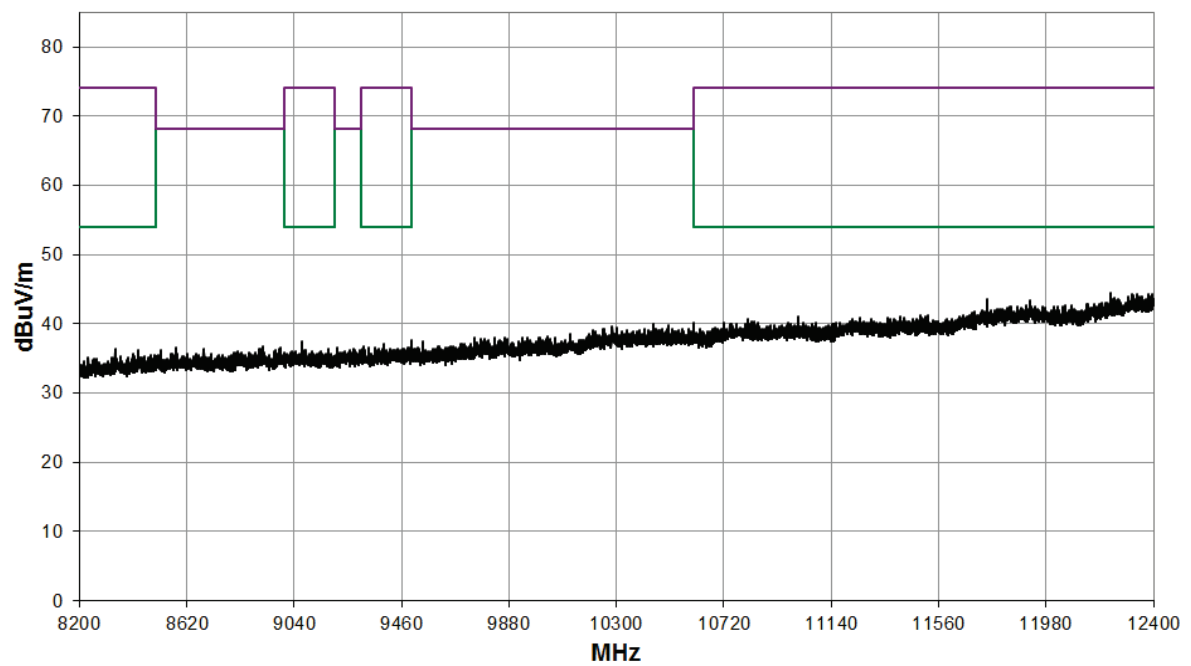
30 MHz to 1 GHz



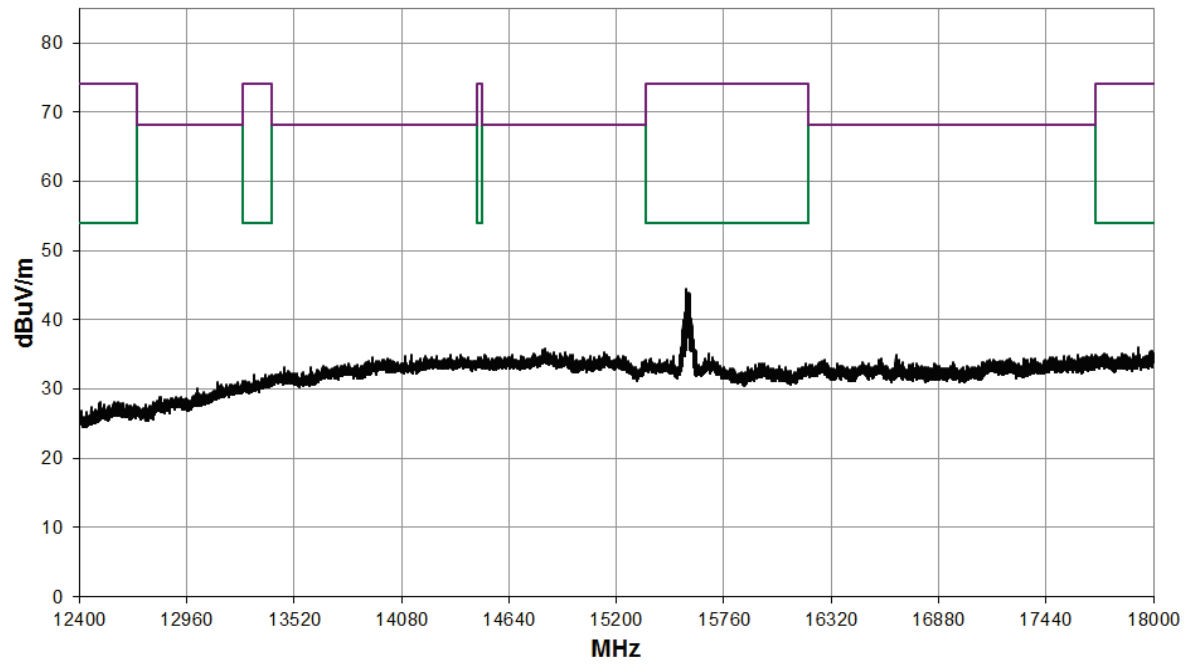
1 GHz to 8.2 GHz



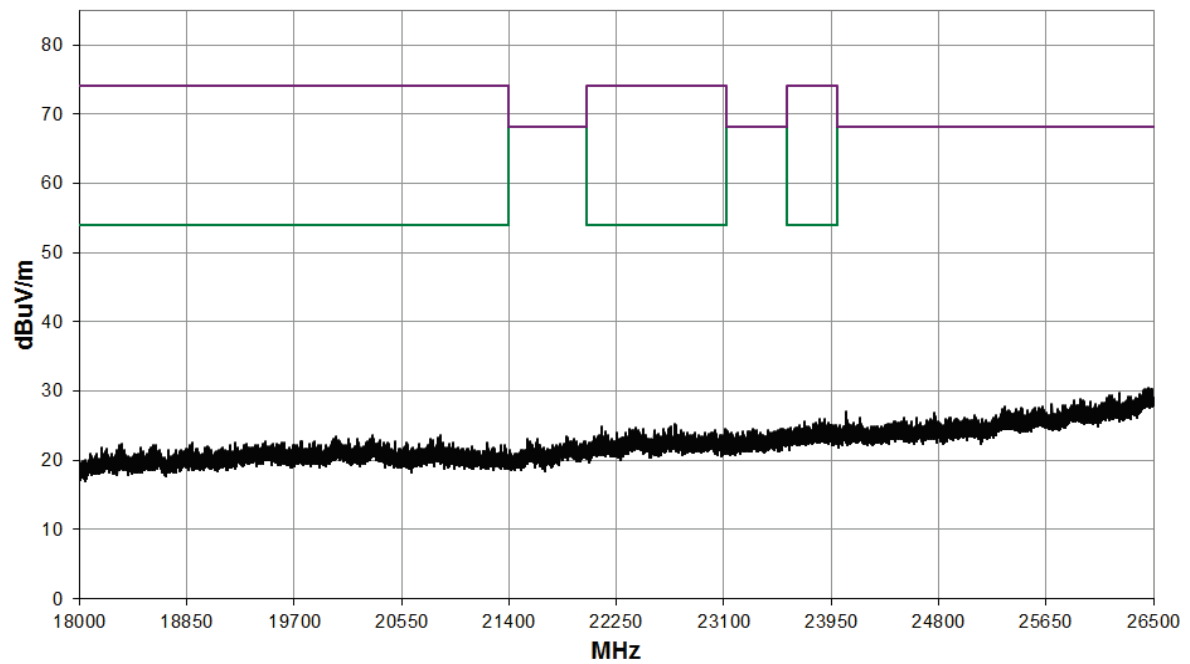
8.2 GHz to 12.4 GHz



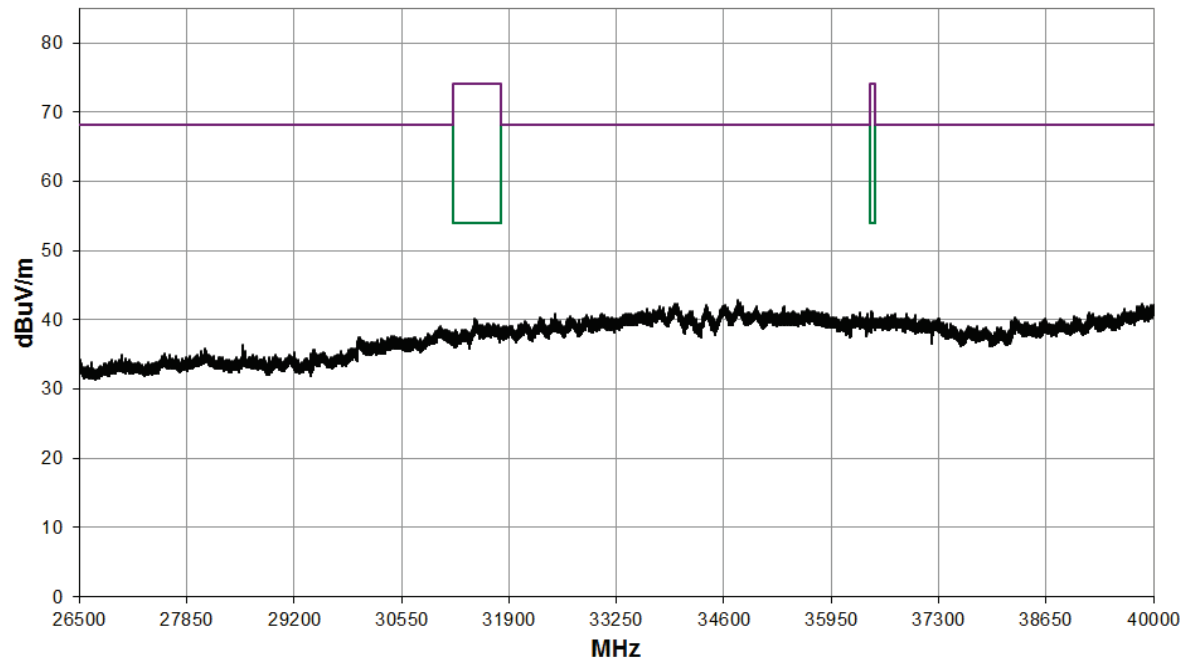
12.4 GHz to 18 GHz



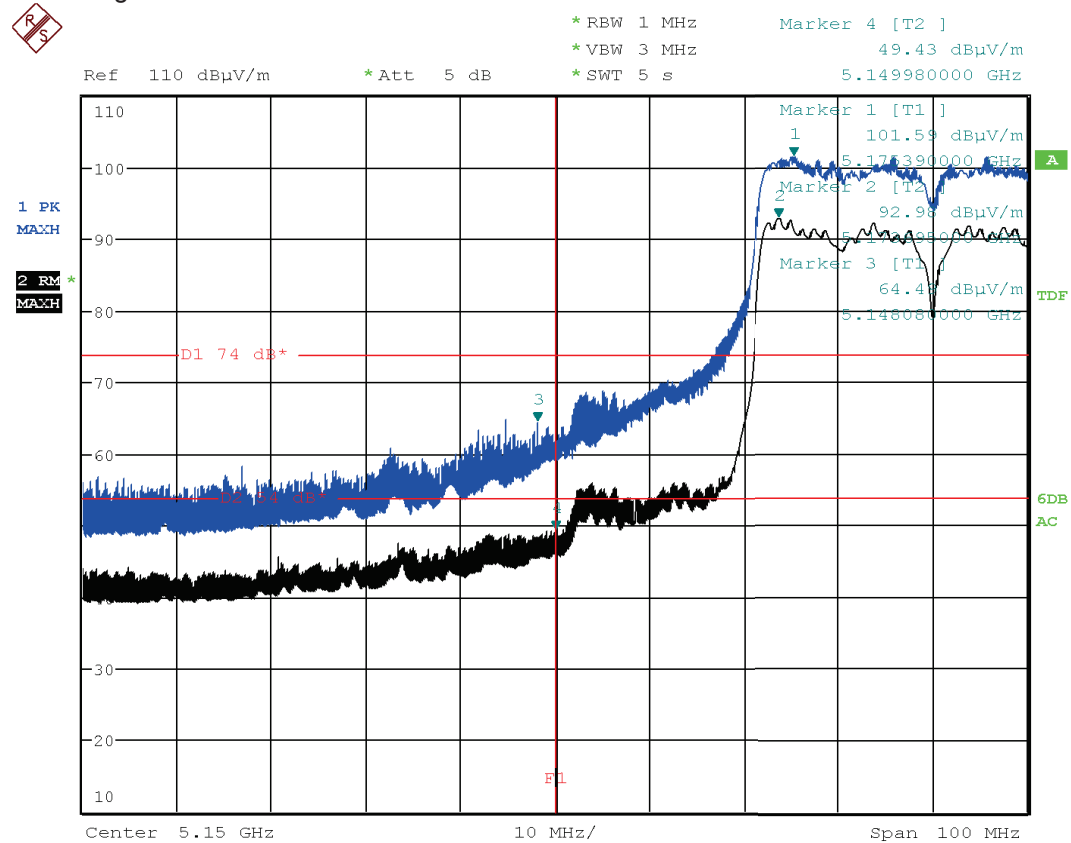
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



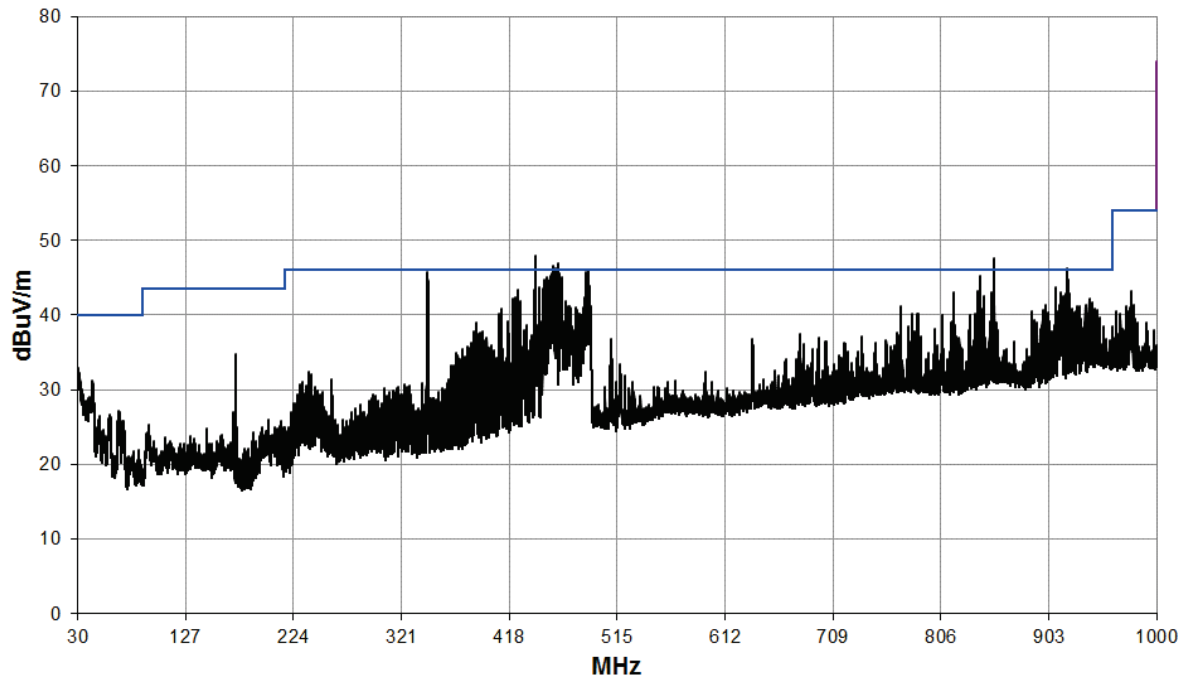
Band Edge



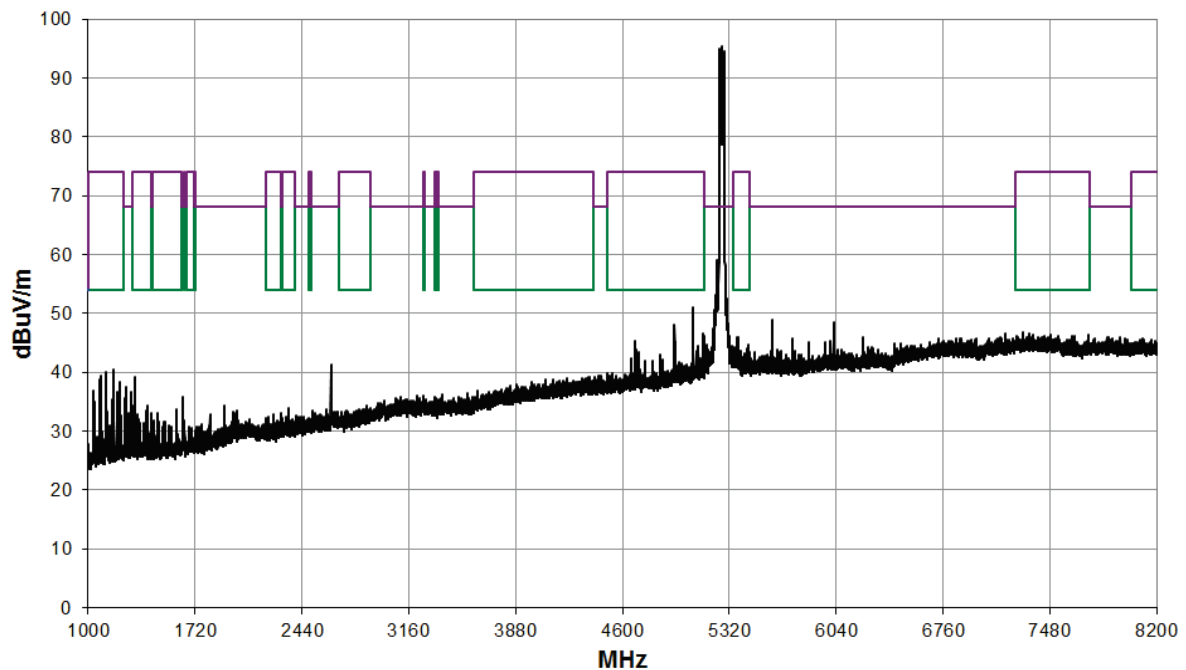
Date: 23.JUN.2020 15:24:29

MIMO; Mode: 802.11n40; Channel: CH54; Frequency: 5270 MHz; Bandwidth: 40 MHz; MCS Index: 8										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	4947.6	-3.0	5.5	33.3	0.0	0.0	35.8	0.0	61.7	500
PK	4948.8	19.1	5.5	33.3	0.0	0.0	57.9	0.0	785.2	5000
AV	5073.6	-2.7	5.6	33.4	0.0	0.0	36.3	0.0	65.3	500
PK	5073.8	16.9	5.6	33.4	0.0	0.0	55.9	0.0	623.7	5000

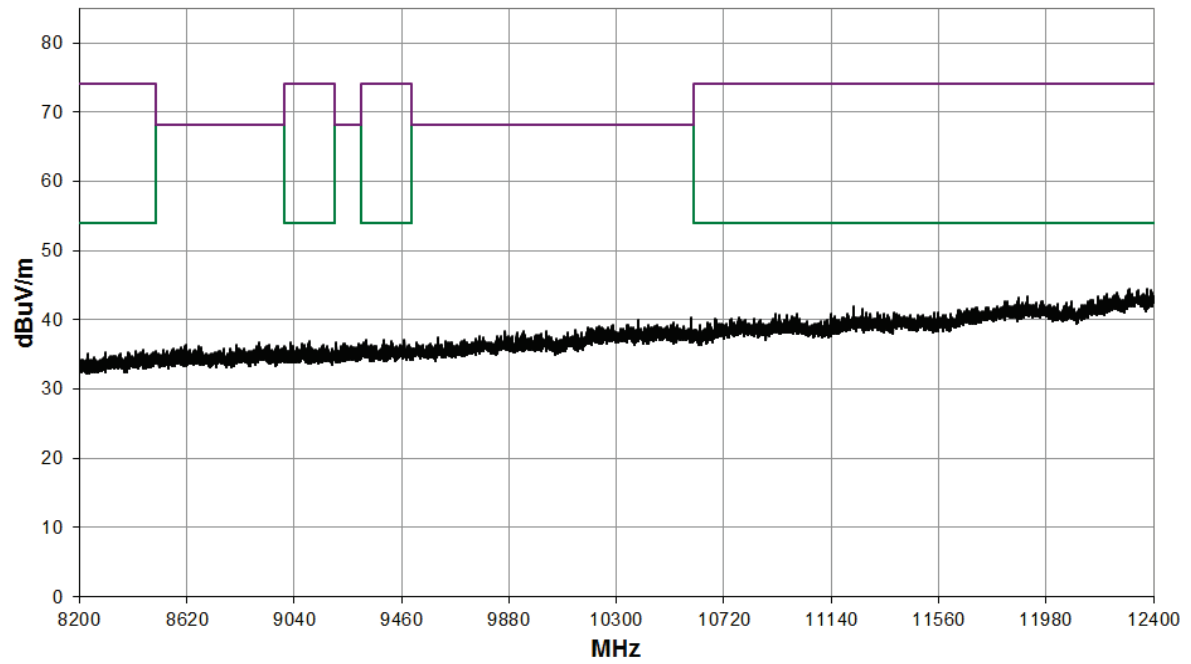
30 MHz to 1 GHz



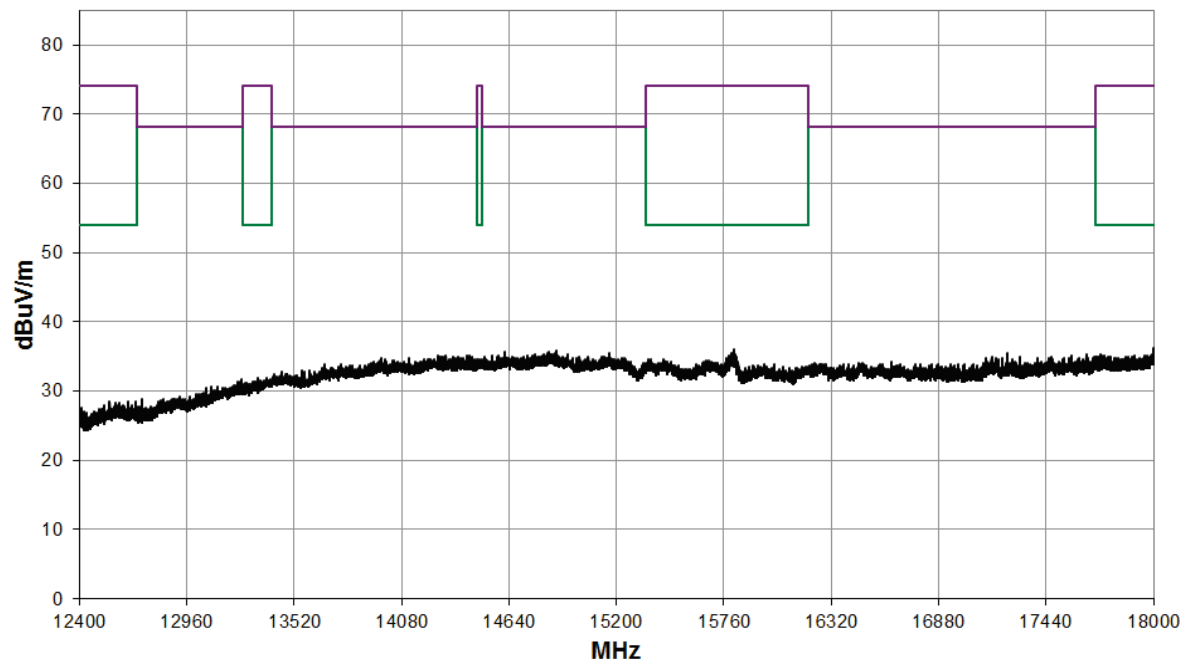
1 GHz to 8.2 GHz



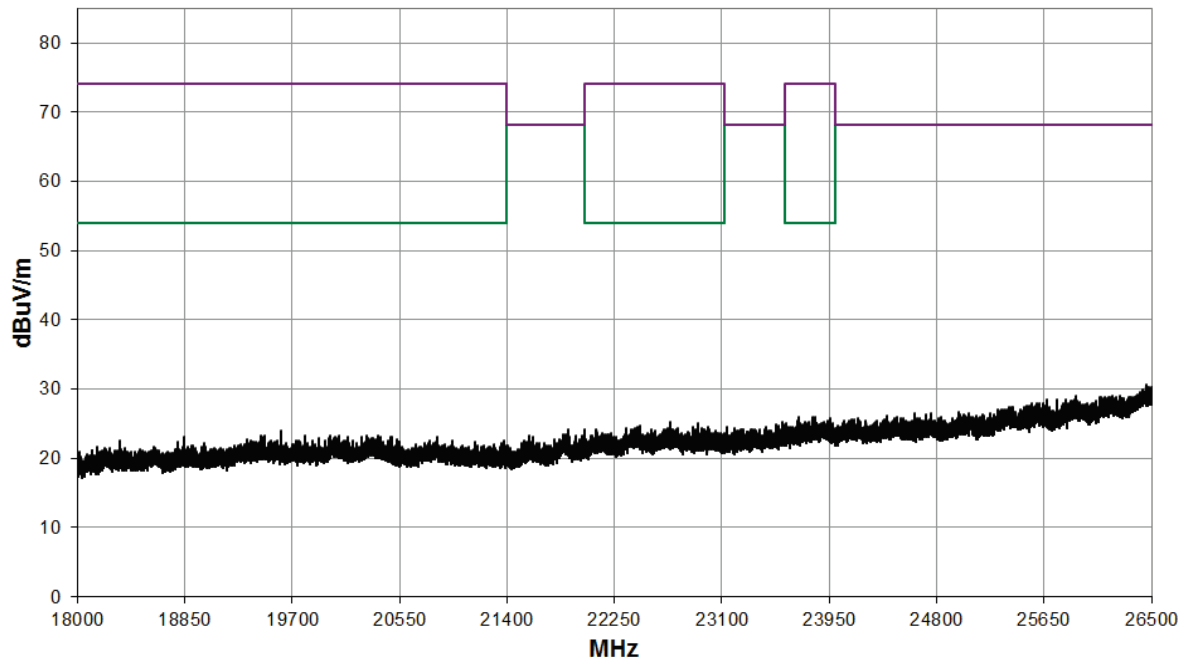
8.2 GHz to 12.4 GHz



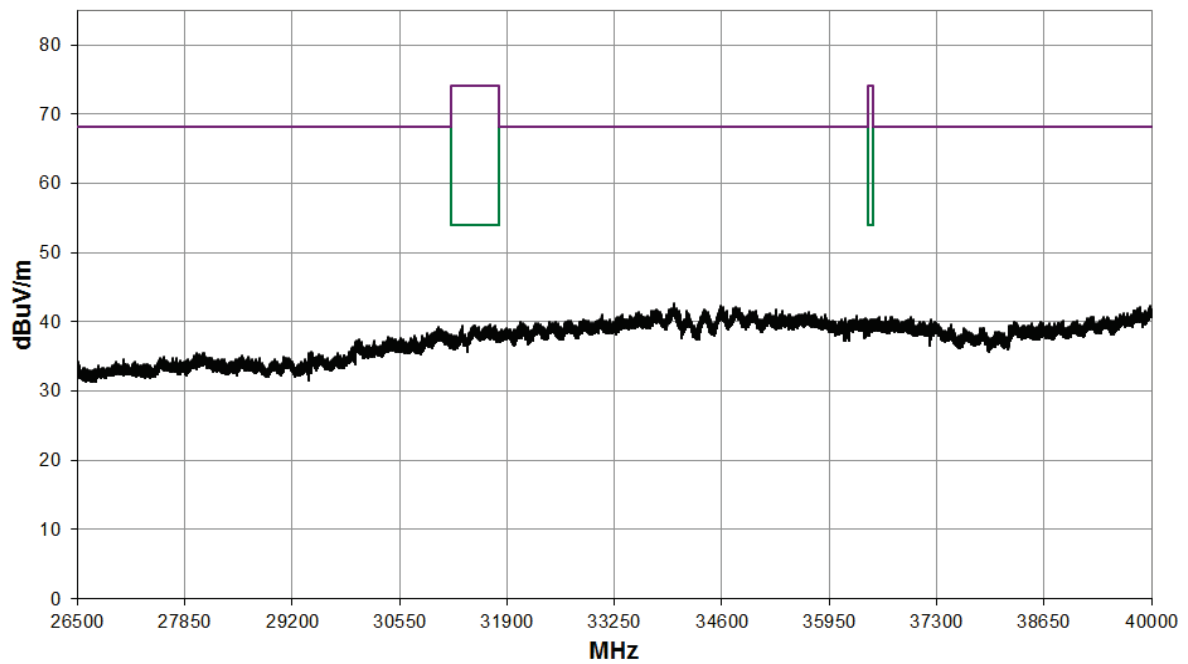
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

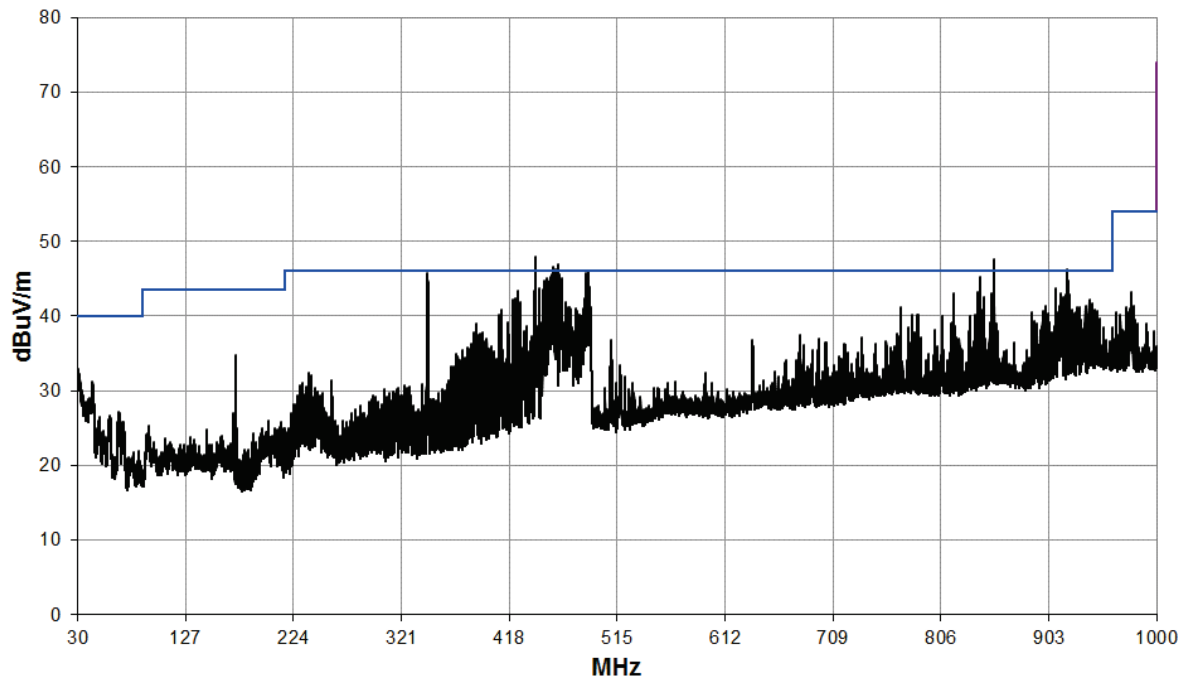


26.5 GHz to 40 GHz

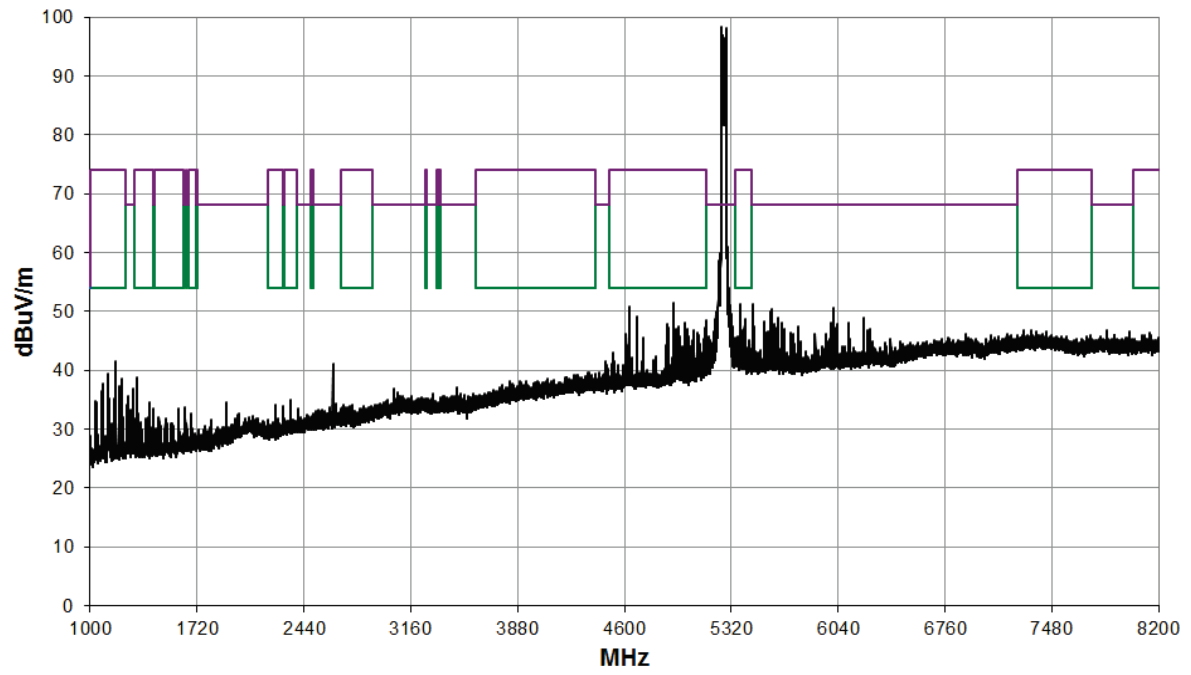


MIMO; Mode: 802.11n40; Channel: CH54; Frequency: 5270 MHz; Bandwidth: 40 MHz; MCS Index: 15										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	4681.1	-3.8	5.3	33.2	0.0	0.0	34.7	0.0	54.3	500
PK	4682.2	20.1	5.3	33.2	0.0	0.0	58.6	0.0	851.1	5000
PK	4934.6	19.8	5.5	33.3	0.0	0.0	58.6	0.0	581.1	5000
AV	4934.8	-3.5	5.5	33.3	0.0	0.0	35.3	0.0	58.2	500
PK	5999.5	15.9	6.1	36.0	0.0	0.0	58.0	0.0	794.3	2500
AV	15802.7	36.8	11.0	32.2	34.6	0.0	35.9	-9.5	62.4	500

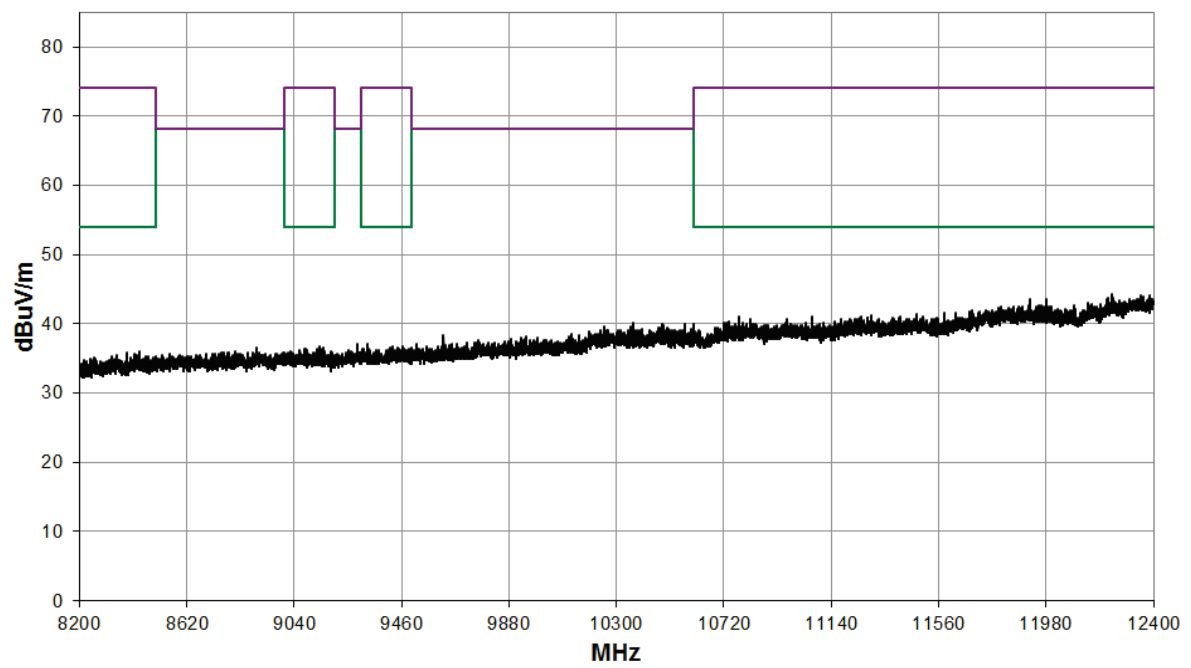
30 MHz to 1 GHz



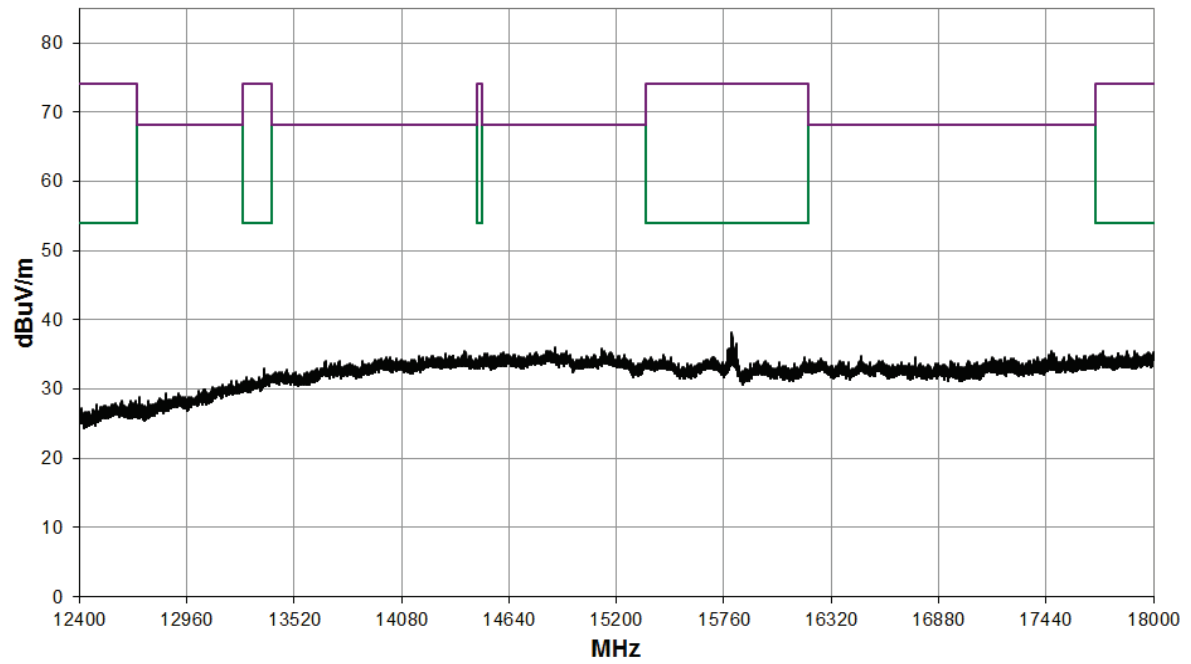
1 GHz to 8.2 GHz



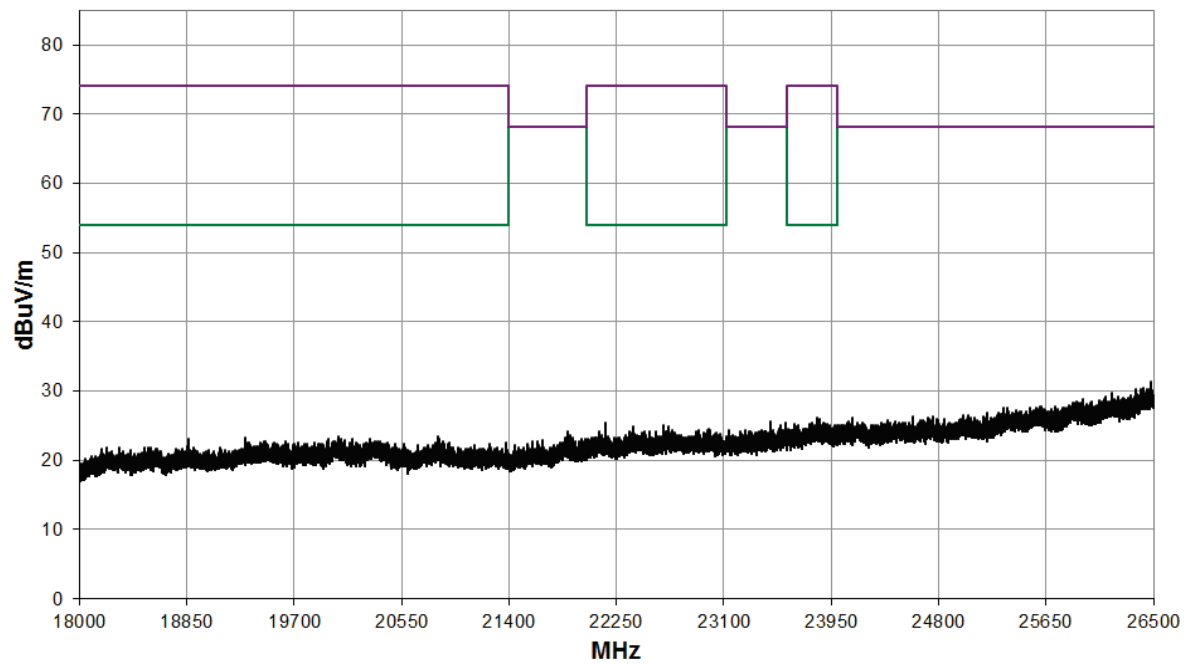
8.2 GHz to 12.4 GHz



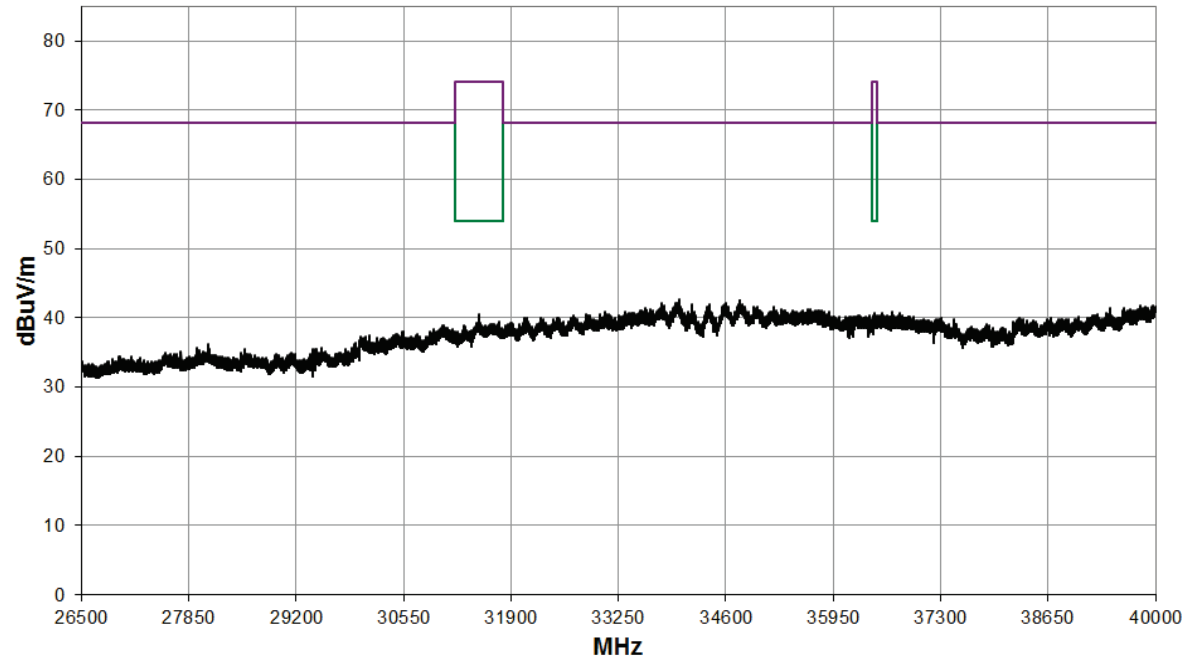
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

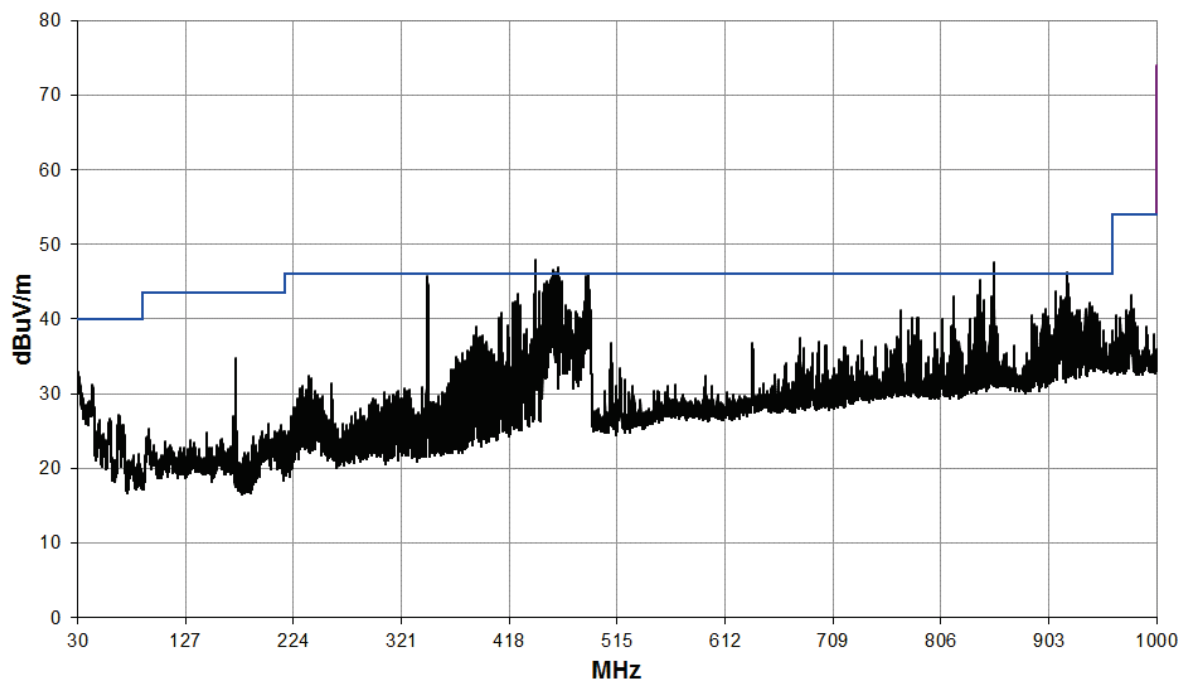


26.5 GHz to 40 GHz

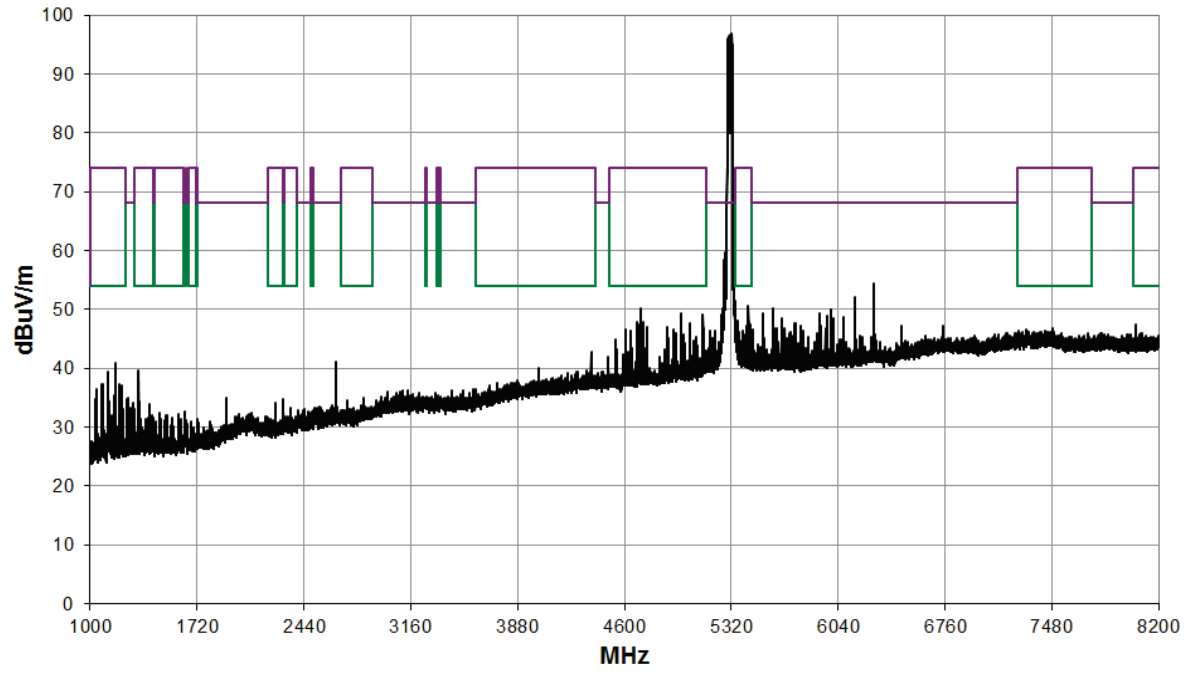


MIMO; Mode: 802.11n40; Channel: CH62; Frequency: 5310 MHz; Bandwidth: 40 MHz; MCS Index: 8										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	4710.4	-3.8	5.3	33.2	0.0	0.0	34.7	0.0	54.3	500
PK	4712.3	21.8	5.3	33.2	0.0	0.0	60.4	0.0	1047.1	5000
AV	4980.0	-3.9	5.5	33.3	0.0	0.0	34.9	0.0	55.6	500
PK	4981.9	21.3	5.5	33.3	0.0	0.0	60.1	0.0	1011.6	5000
PK	6280.0	15.7	6.4	36.2	0.0	0.0	58.3	0.0	822.2	2500
AV	15943.0	37.6	11.1	32.2	34.7	0.0	36.7	-9.5	68.4	500

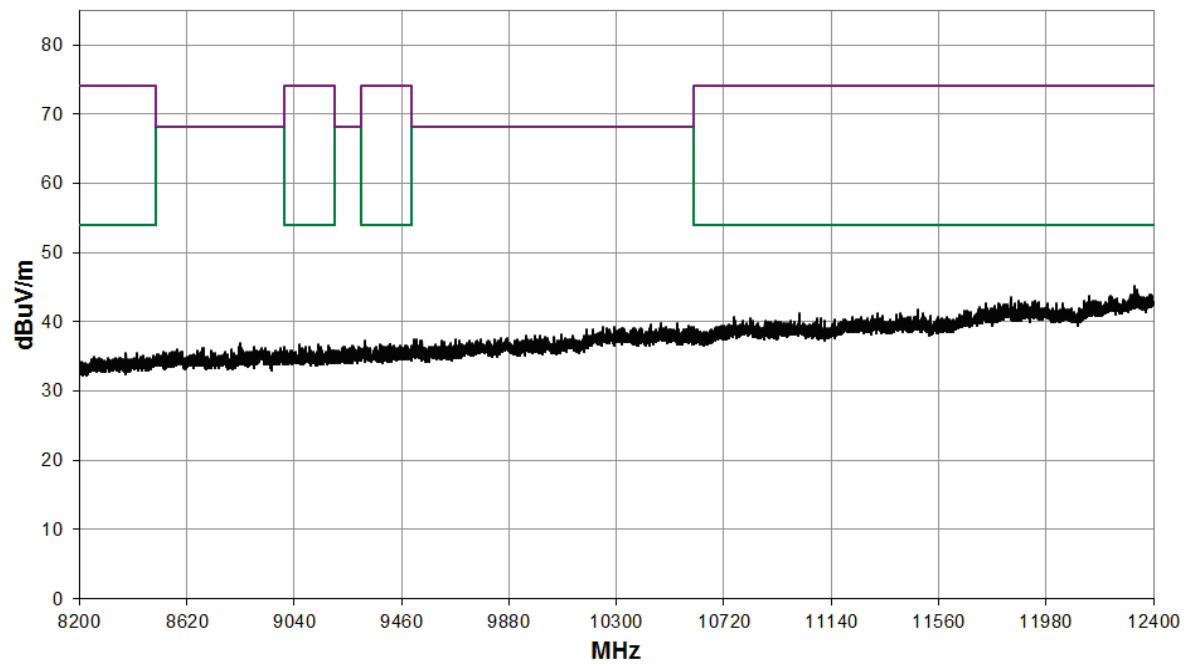
30 MHz to 1 GHz



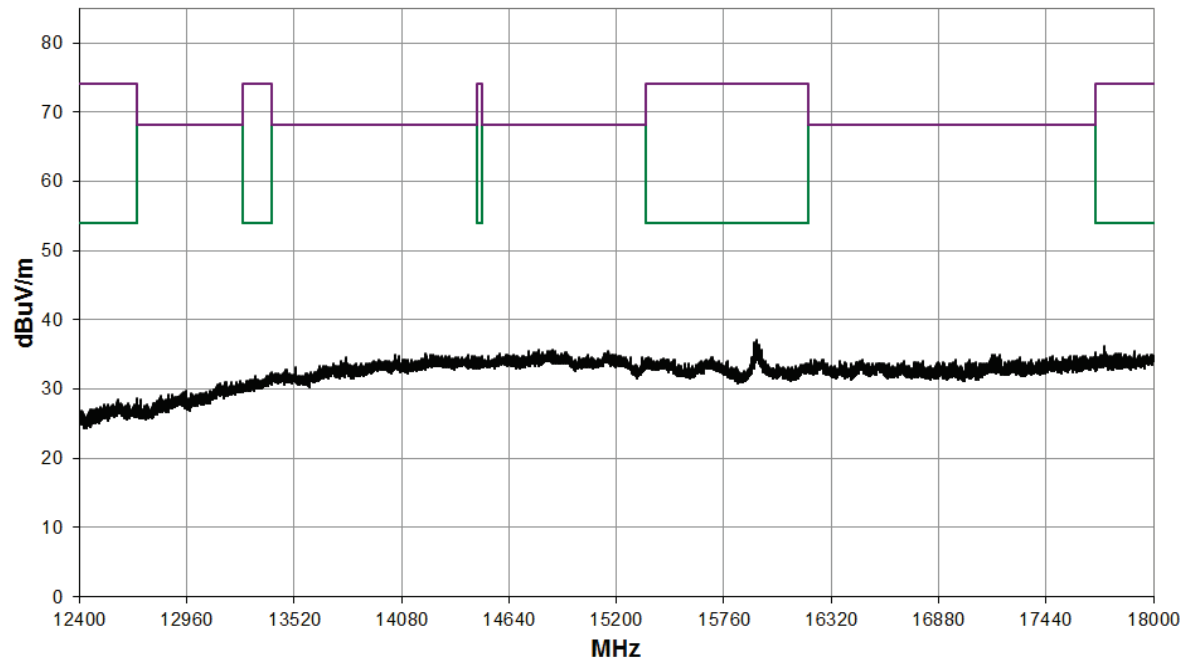
1 GHz to 8.2 GHz



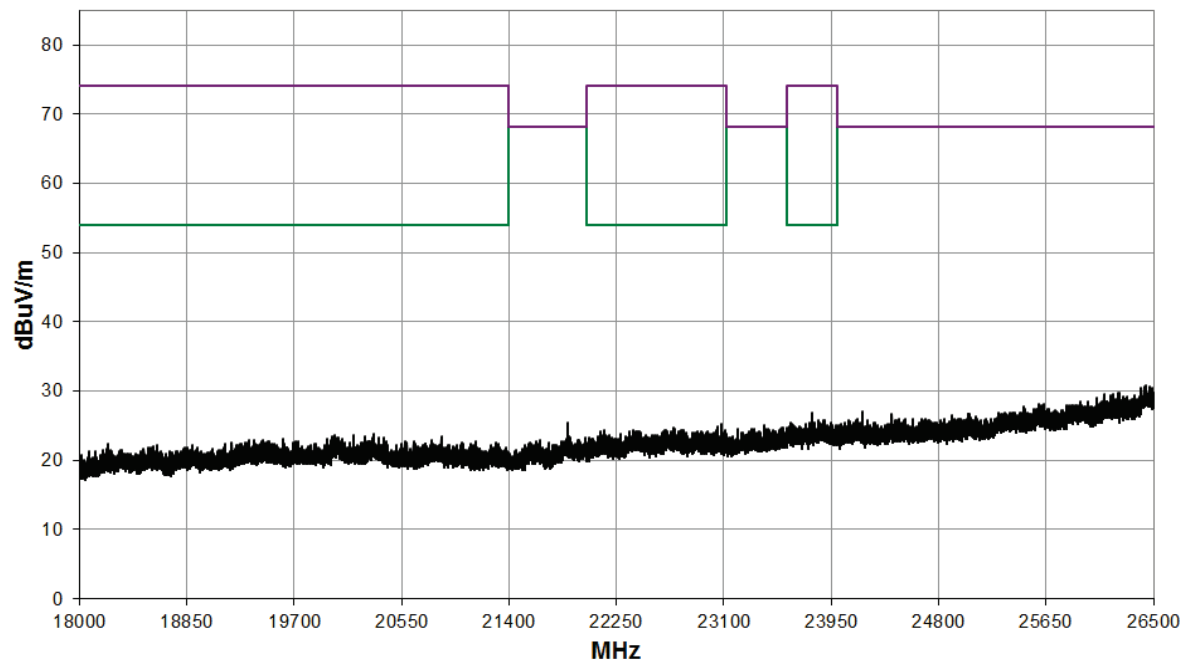
8.2 GHz to 12.4 GHz



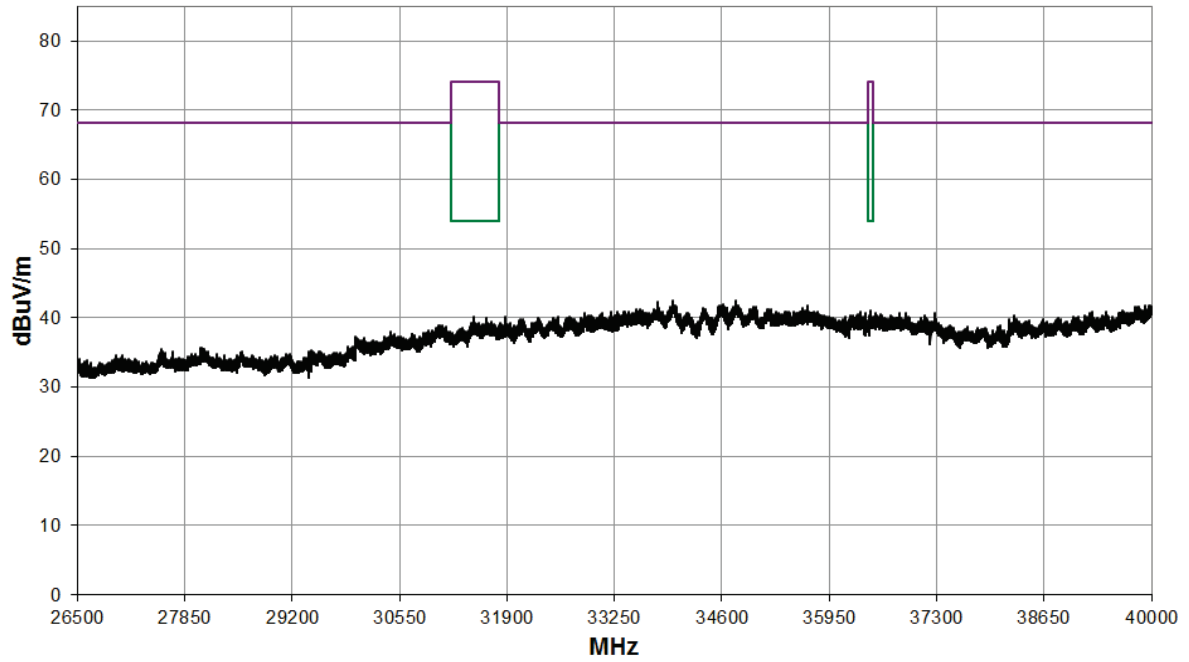
12.4 GHz to 18 GHz



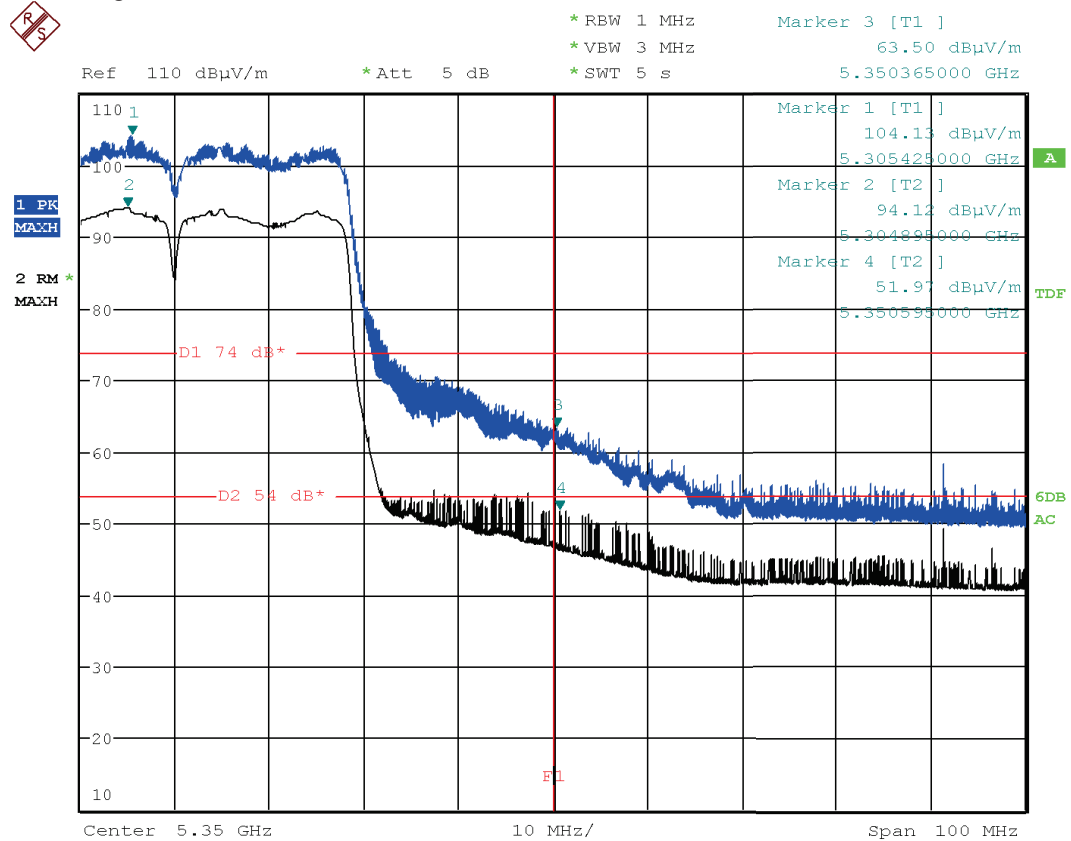
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



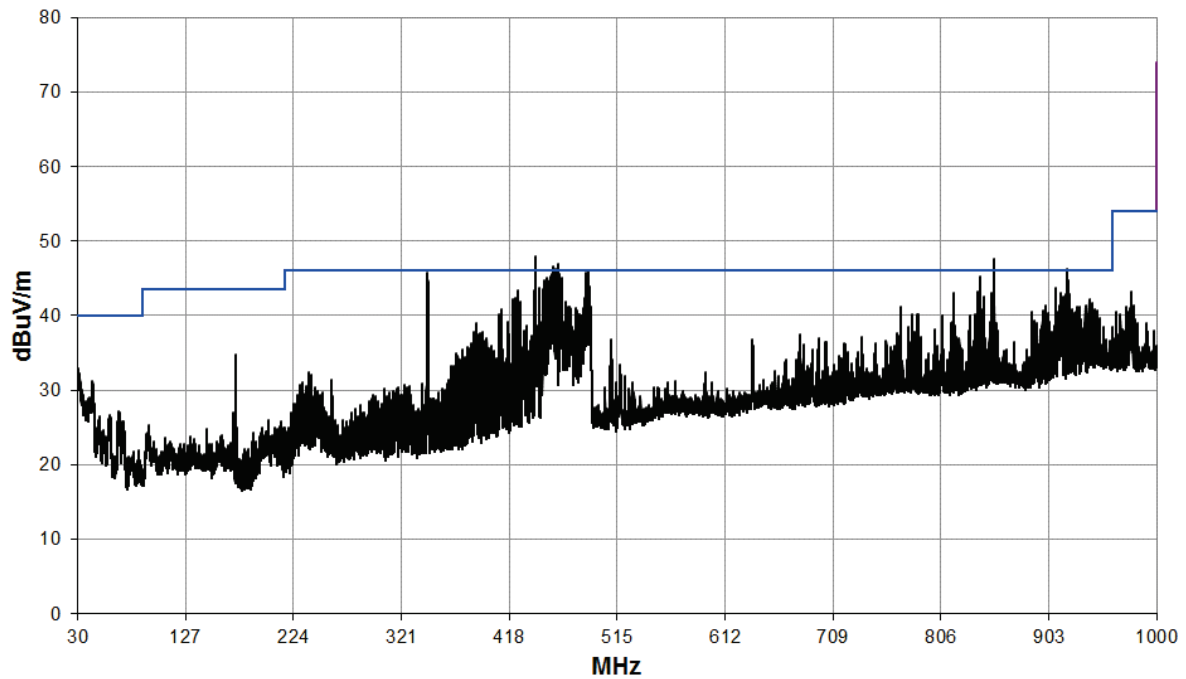
Band Edge



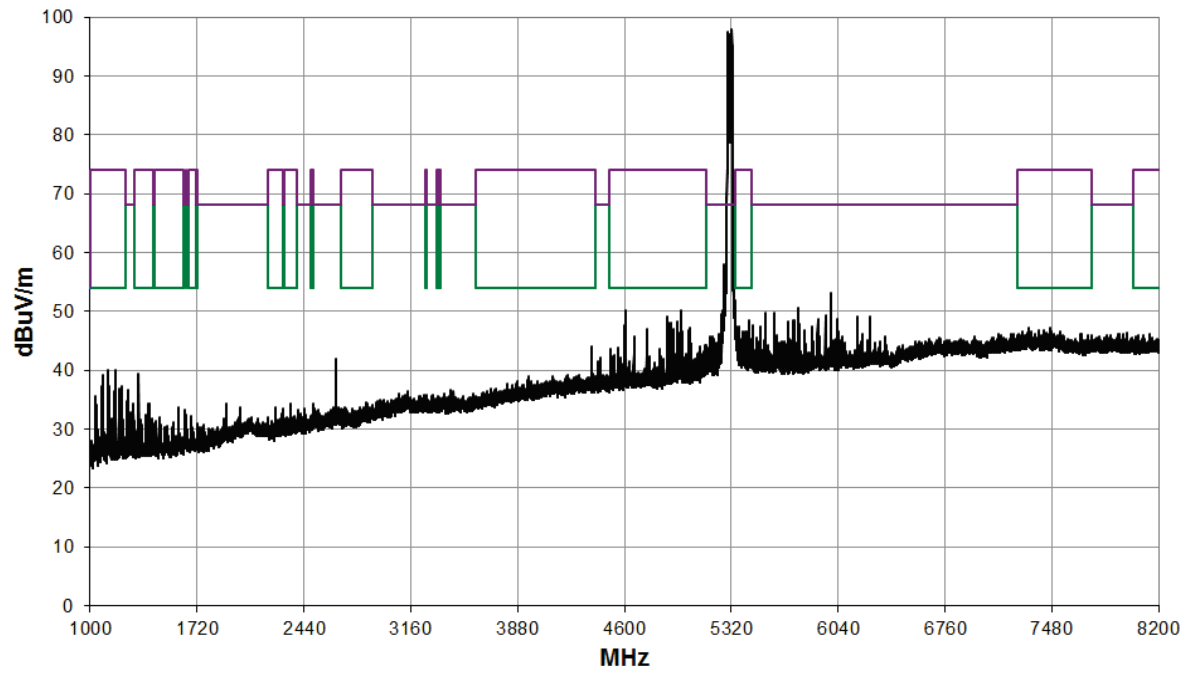
Date: 23.JUN.2020 13:21:15

MIMO; Mode: 802.11n40; Channel: CH62; Frequency: 5310 MHz; Bandwidth: 40 MHz; MCS Index: 15										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	4598.7	-4.0	5.3	32.9	0.0	0.0	34.2	0.0	51.3	500
PK	4600.4	22.1	5.3	32.9	0.0	0.0	60.3	0.0	1035.1	5000
AV	4889.9	-3.9	5.4	33.3	0.0	0.0	34.8	0.0	54.9	500
PK	4892.6	16.9	5.4	33.3	0.0	0.0	55.6	0.0	602.6	5000
PK	5772.8	17.6	6.0	35.3	0.0	0.0	58.9	0.0	881.0	2500
PK	5992.6	19.2	6.1	36.0	0.0	0.0	61.3	0.0	1161.5	2500
AV	15942.7	39.3	11.1	32.2	34.7	0.0	38.4	-9.5	83.2	500

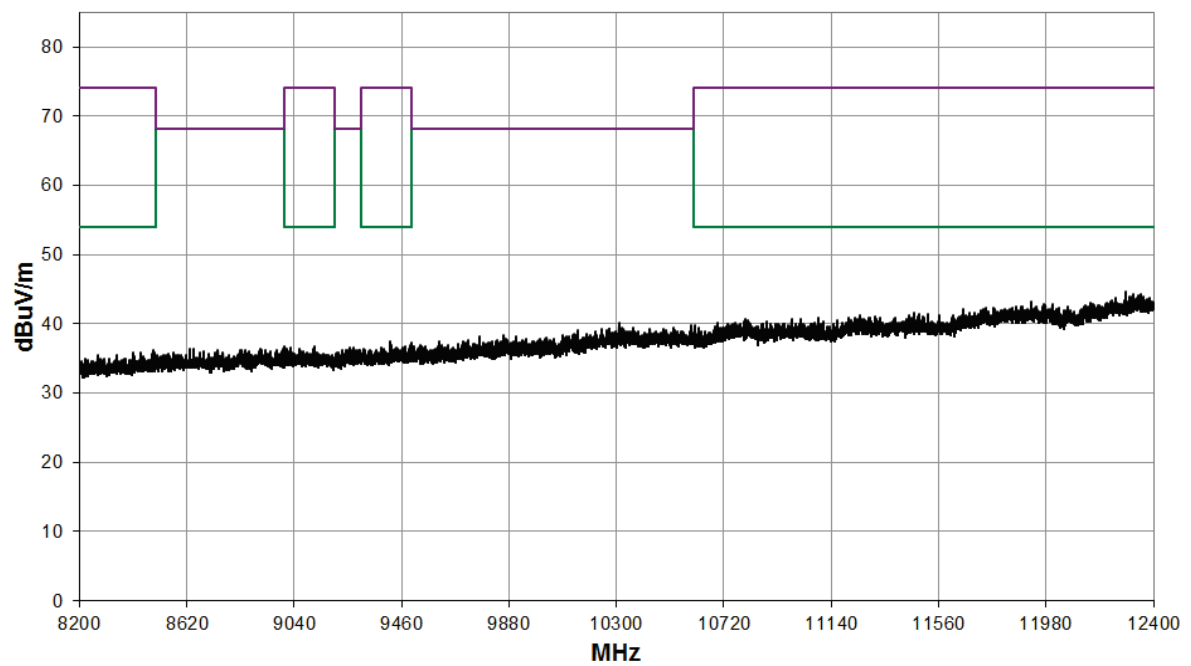
30 MHz to 1 GHz



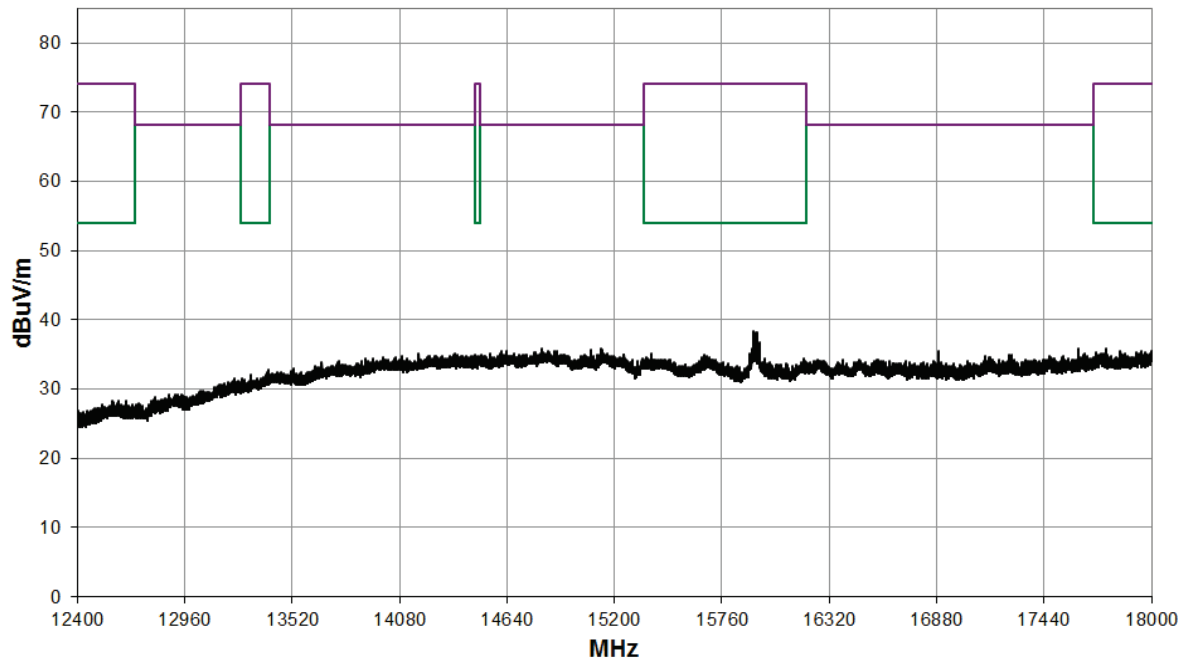
1 GHz to 8.2 GHz



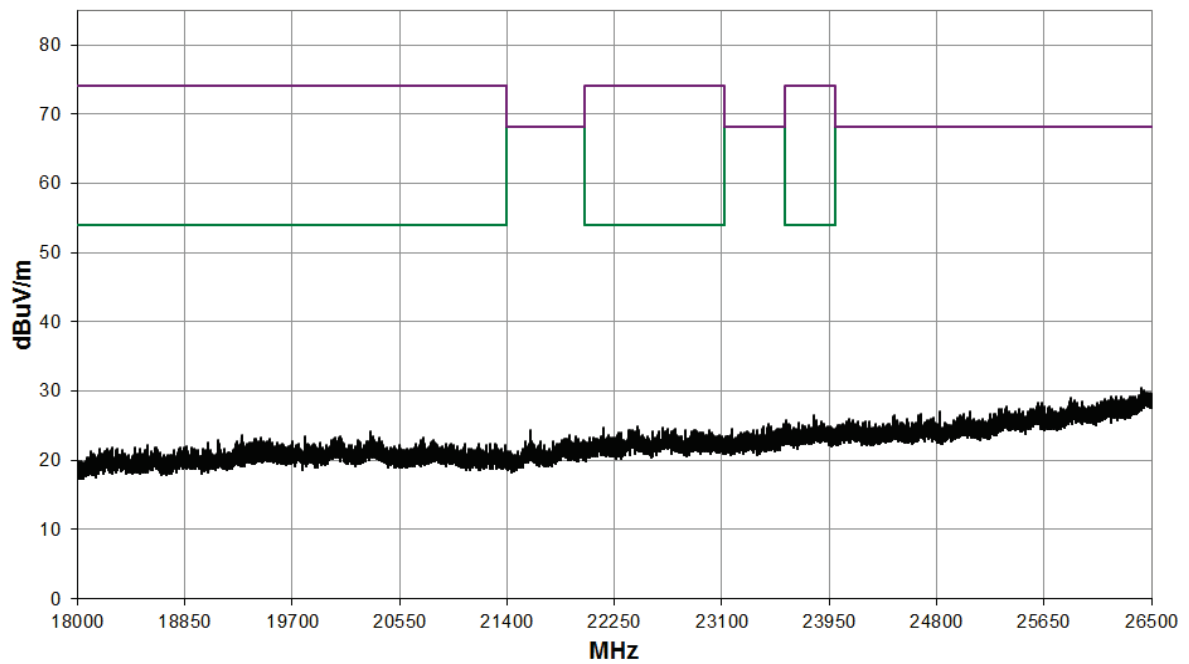
8.2 GHz to 12.4 GHz



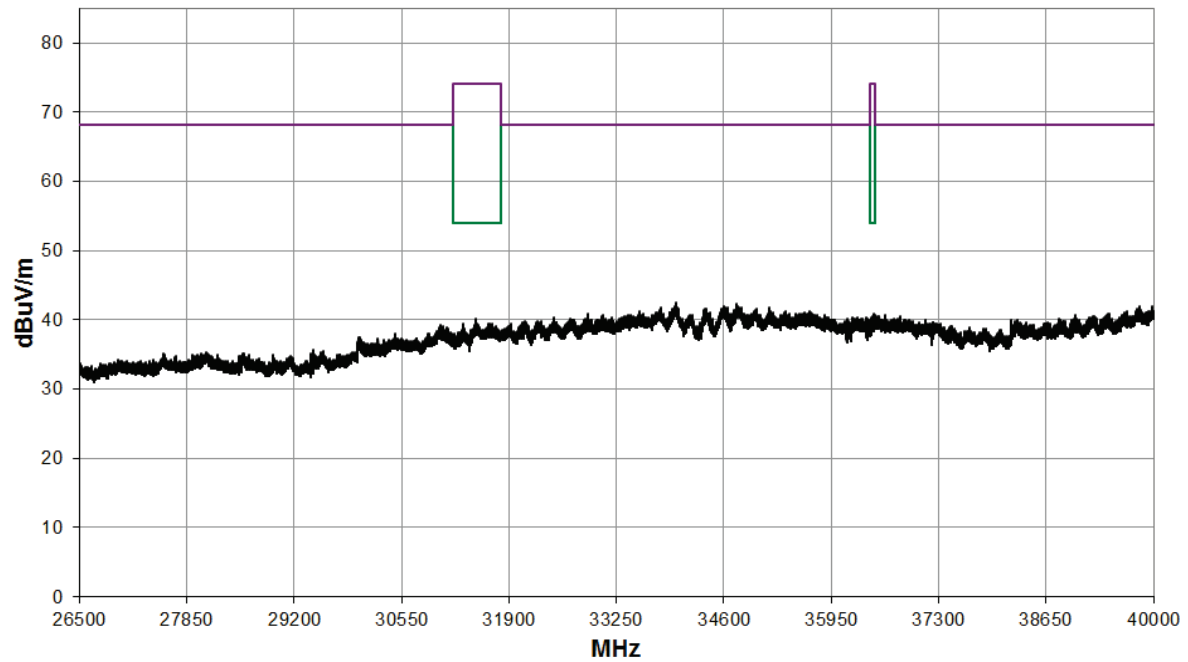
12.4 GHz to 18 GHz



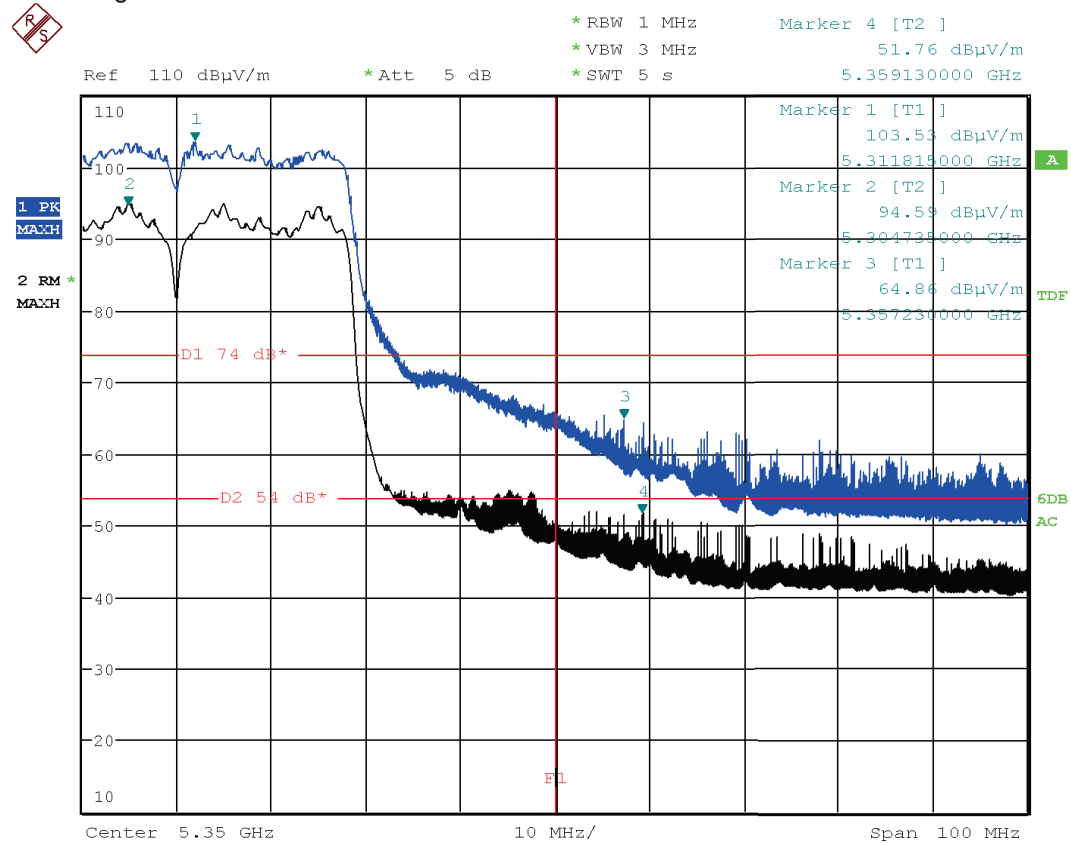
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



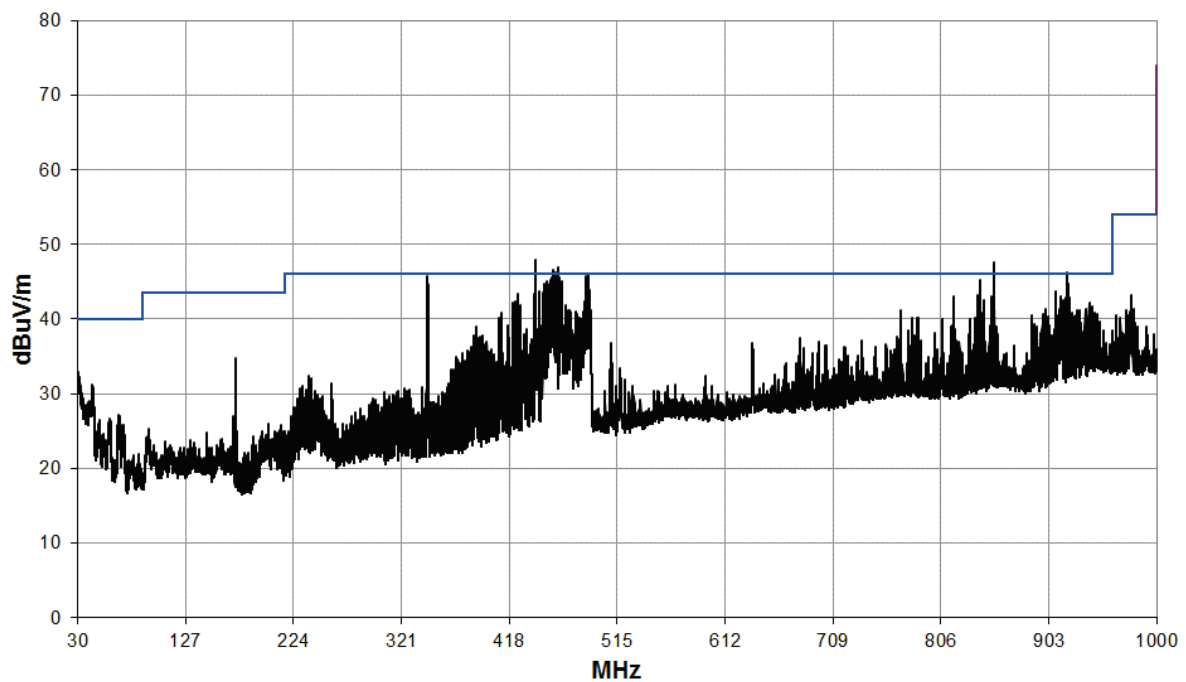
Band Edge



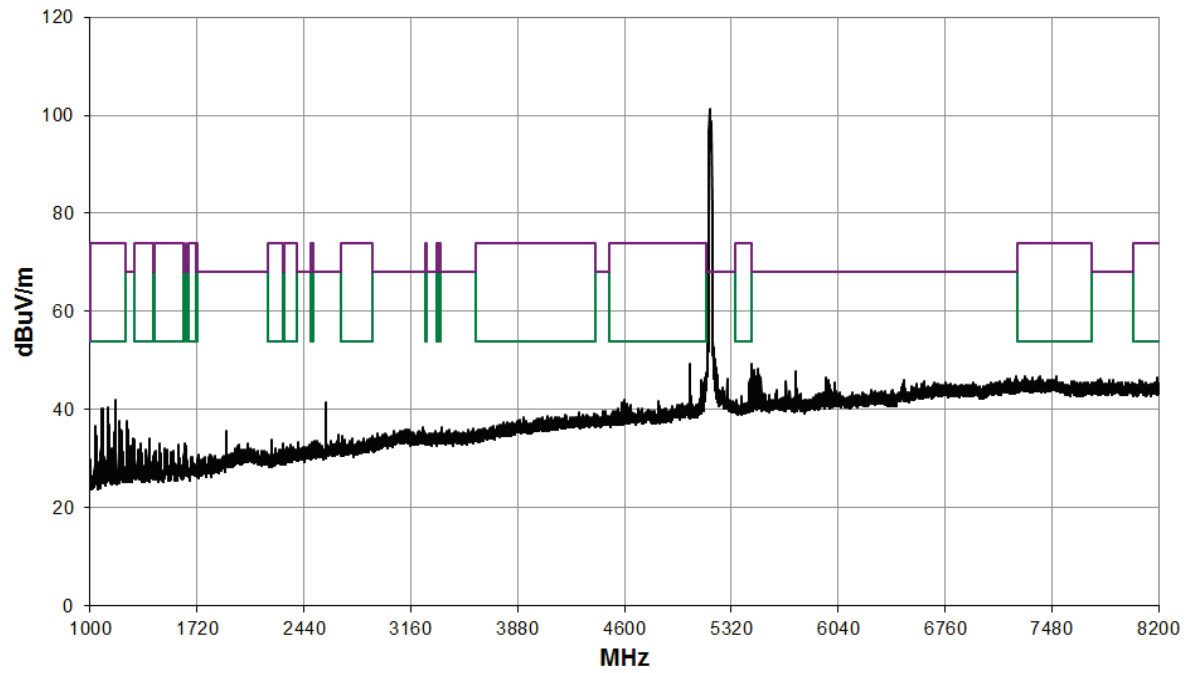
Date: 23.JUN.2020 13:18:31

MIMO; Mode: 802.11ac20; Channel: CH36; Frequency: 5180 MHz; Bandwidth: 20 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	5038.2	-2.3	5.5	33.3	0.0	0.0	36.5	0.0	66.8	500
PK	5042.5	16.1	5.5	33.3	0.0	0.0	54.9	0.0	555.9	5000
AV	5451.8	-3.6	5.9	34.8	0.0	0.0	37.1	0.0	71.6	500
PK	5754.6	17.2	6.0	35.2	0.0	0.0	58.4	0.0	831.8	2500
PK	5971.8	14.9	6.1	36.0	0.0	0.0	57.0	0.0	707.9	2500
PK	15537.0	40.7	10.9	31.8	34.4	0.0	39.5	-9.5	94.4	5000

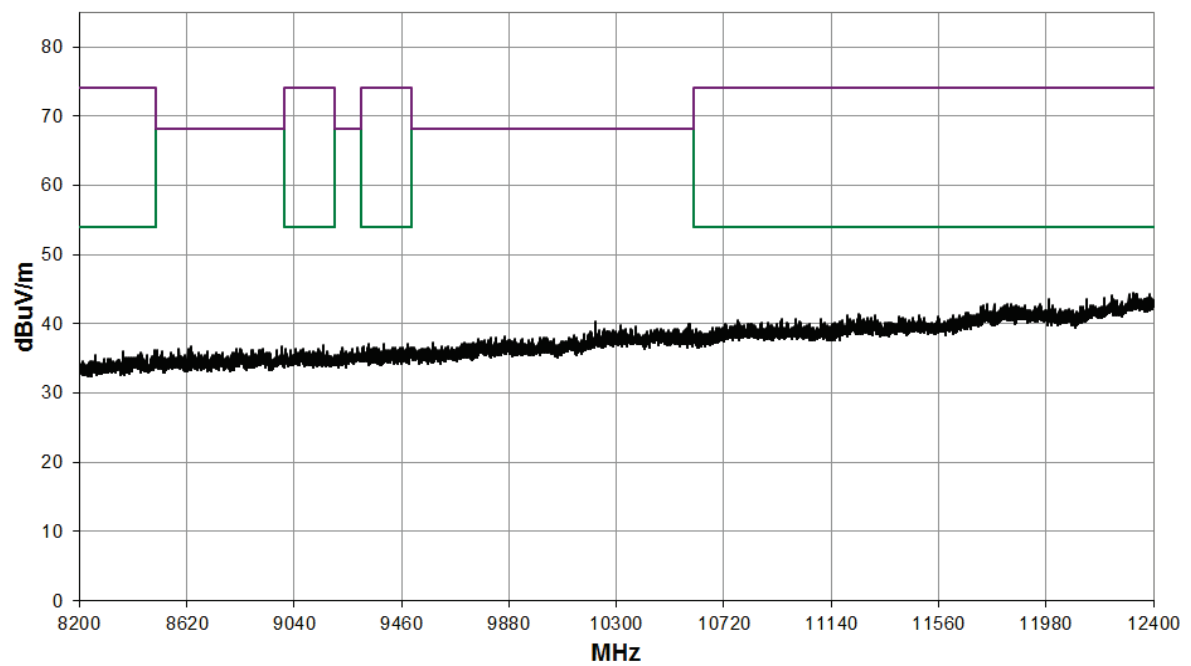
30 MHz to 1 GHz



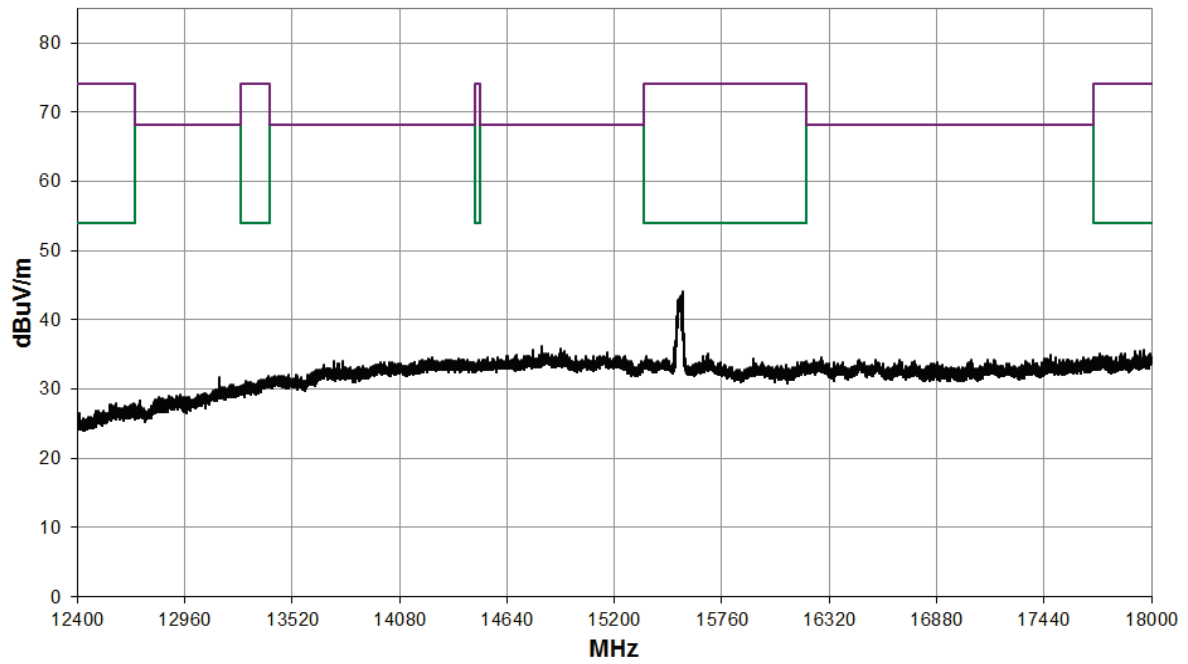
1 GHz to 8.2 GHz



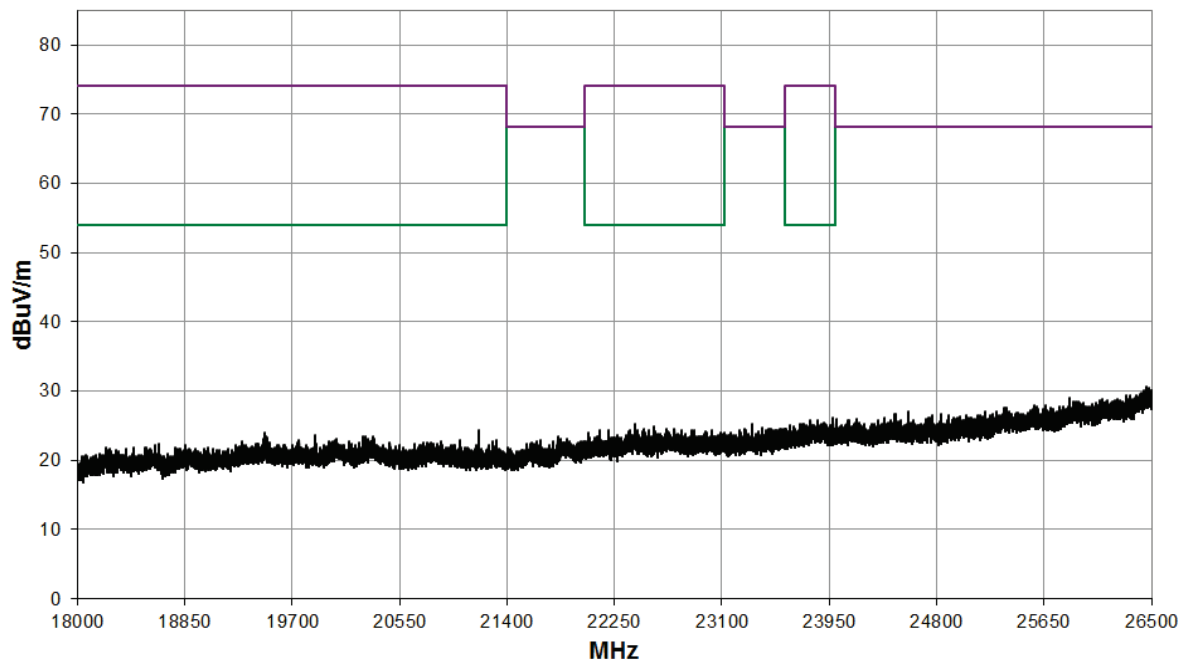
8.2 GHz to 12.4 GHz



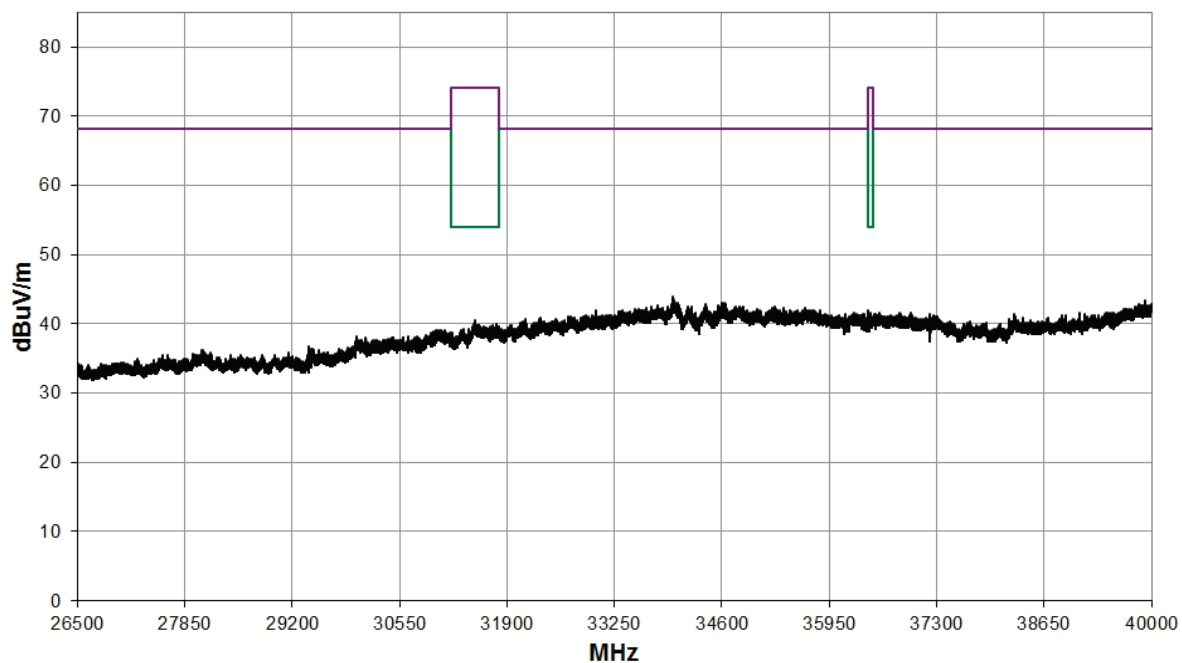
12.4 GHz to 18 GHz



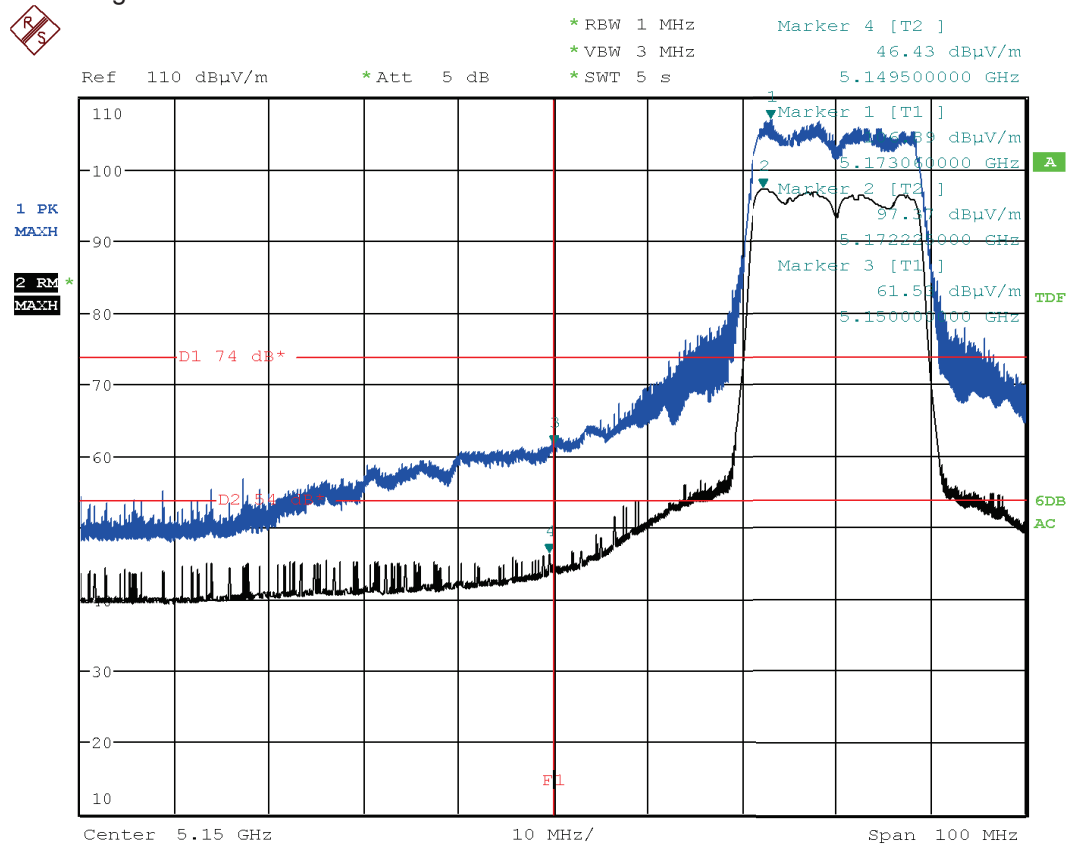
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



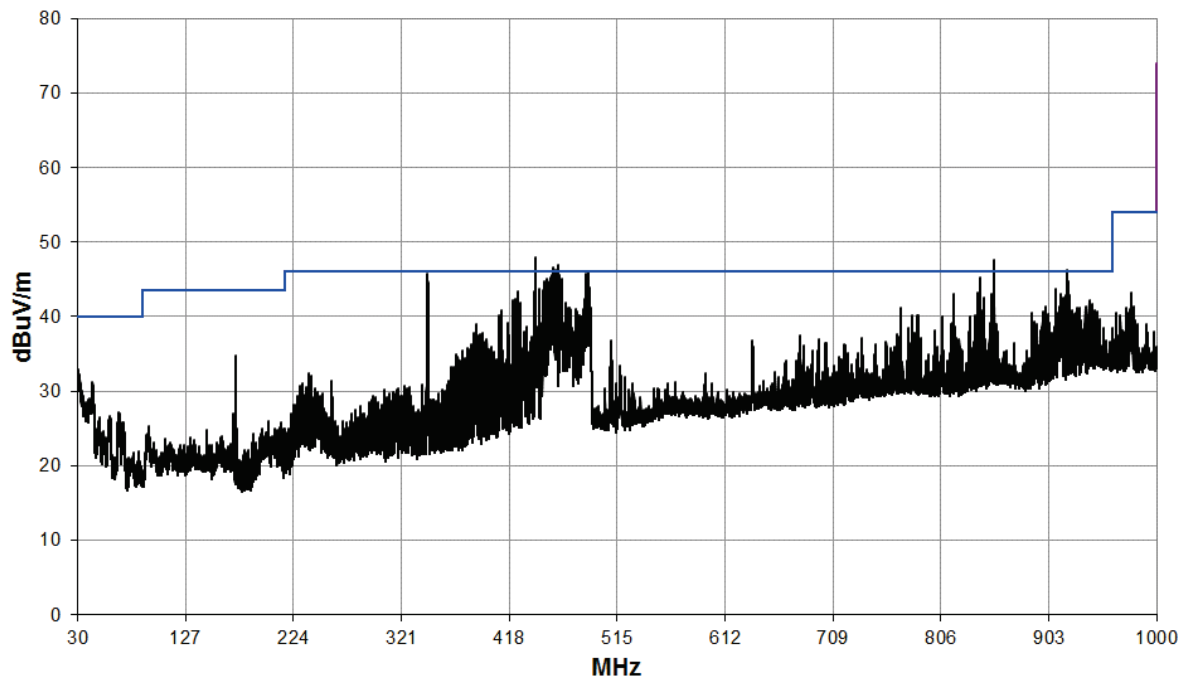
Band Edge



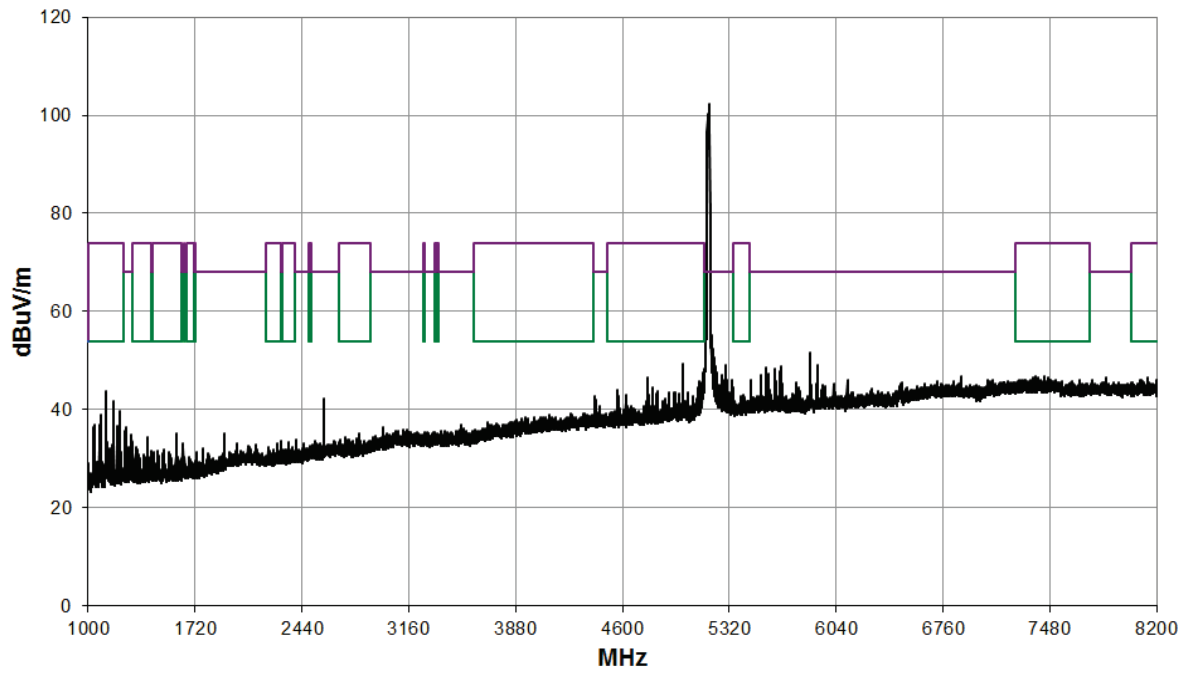
Date: 23.JUN.2020 14:54:12

MIMO; Mode: 802.11ac20; Channel: CH36; Frequency: 5180 MHz; Bandwidth: 20 MHz; MCS Index: 8										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	4773.0	-3.7	5.4	33.4	0.0	0.0	35.1	0.0	56.9	500
PK	4773.0	18.3	5.4	33.4	0.0	0.0	57.1	0.0	716.1	5000
PK	5014.4	18.3	5.4	33.4	0.0	0.0	57.1	0.0	716.1	5000
AV	5016.6	-2.7	5.5	33.3	0.0	0.0	36.1	0.0	63.8	500
PK	5662.3	18.6	6.0	35.1	0.0	0.0	59.7	0.0	966.1	2500
PK	5868.4	14.9	6.0	35.6	0.0	0.0	56.5	0.0	668.3	2500
AV	15540.0	43.1	10.9	31.8	34.4	0.0	41.9	-9.5	124.5	500
PK	15540.8	55.7	10.9	31.8	34.4	0.0	54.5	-9.5	530.9	5000

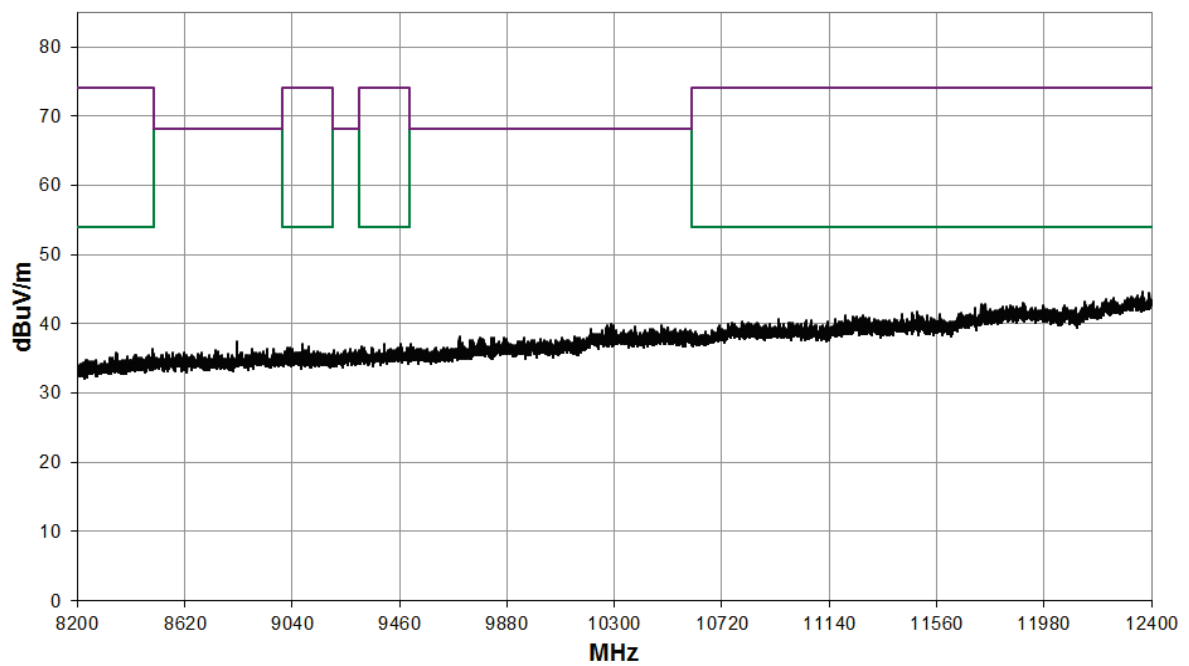
30 MHz to 1 GHz



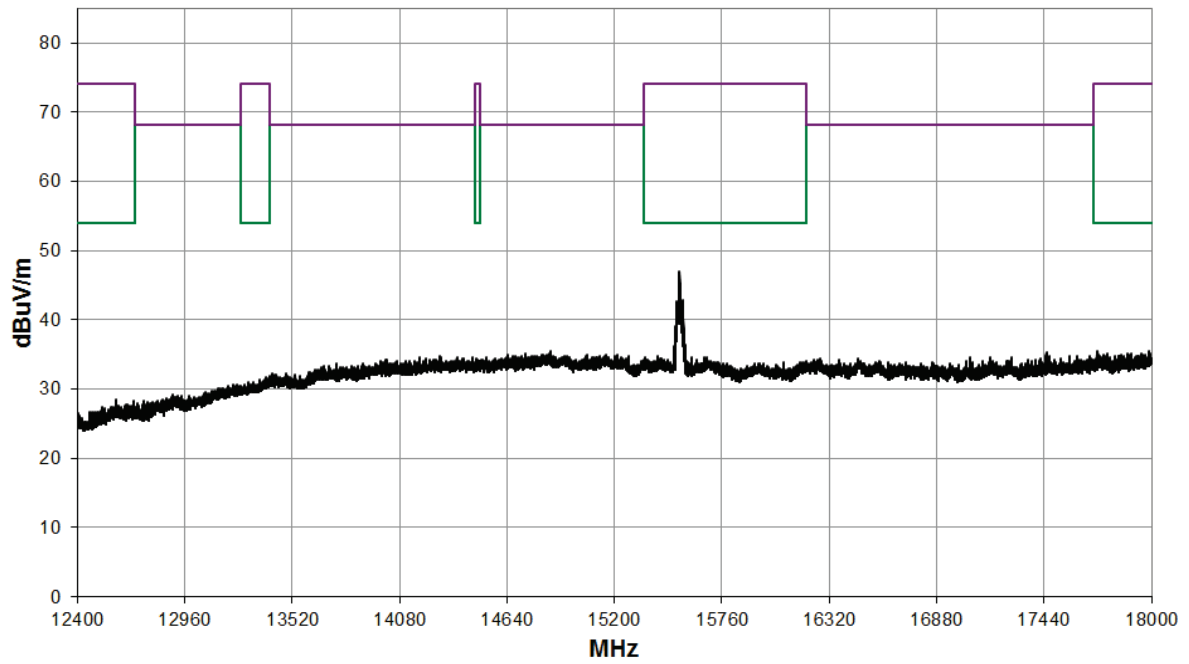
1 GHz to 8.2 GHz



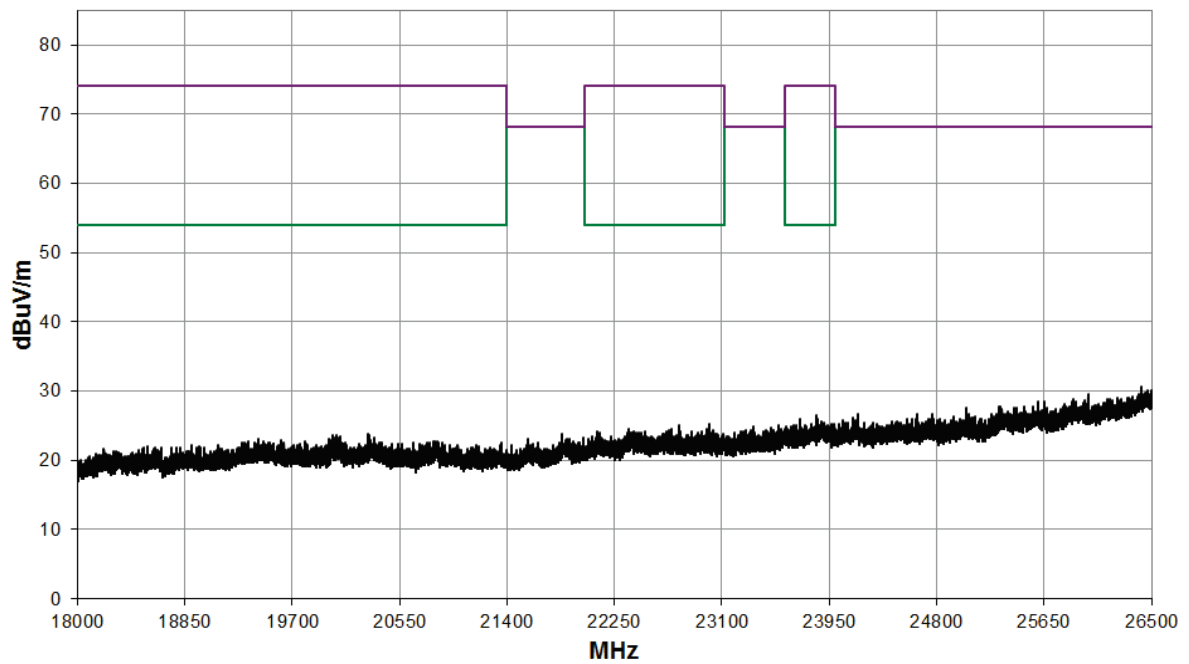
8.2 GHz to 12.4 GHz



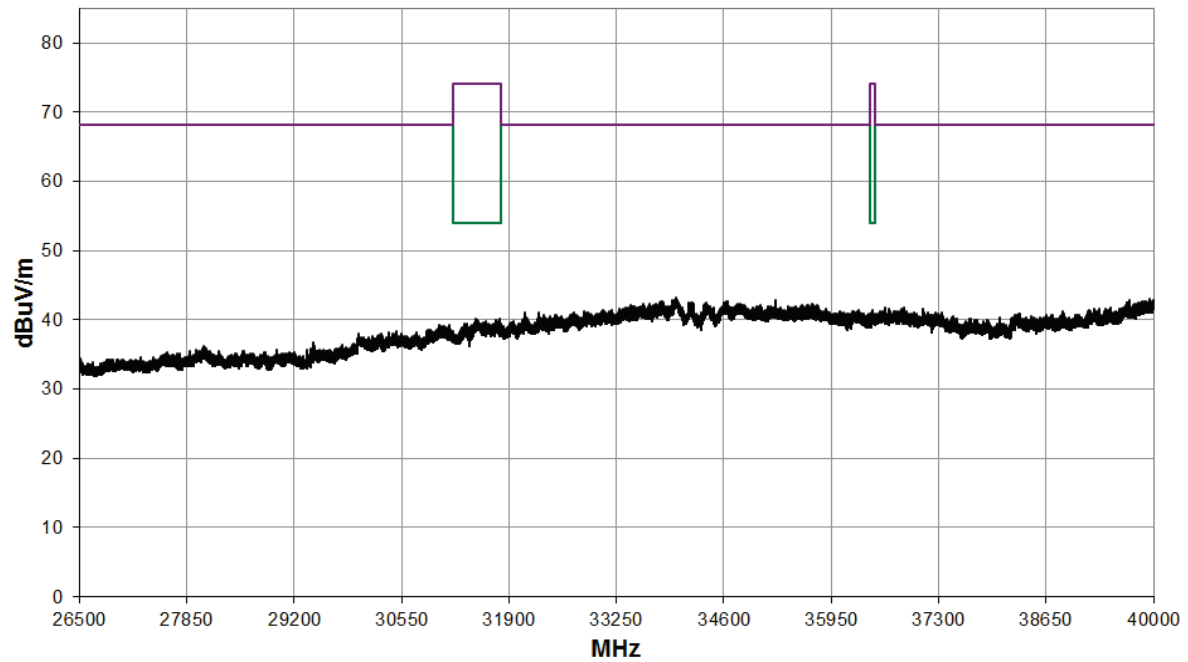
12.4 GHz to 18 GHz



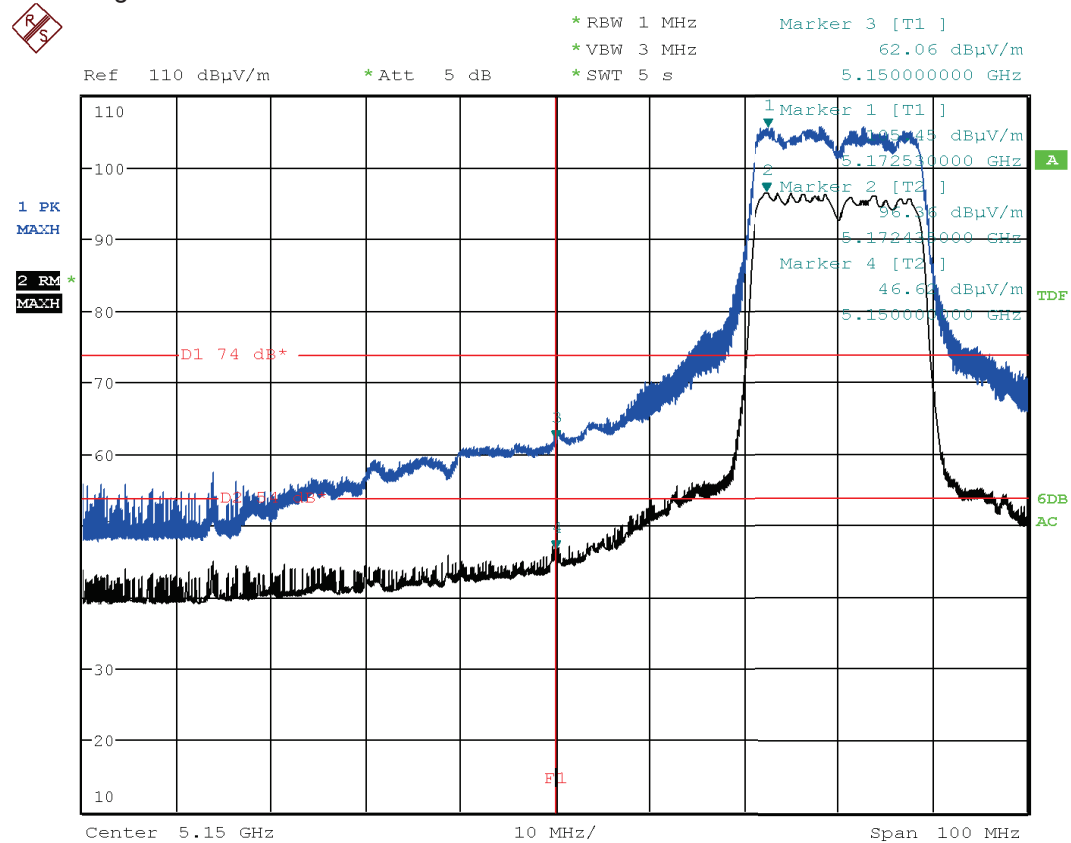
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



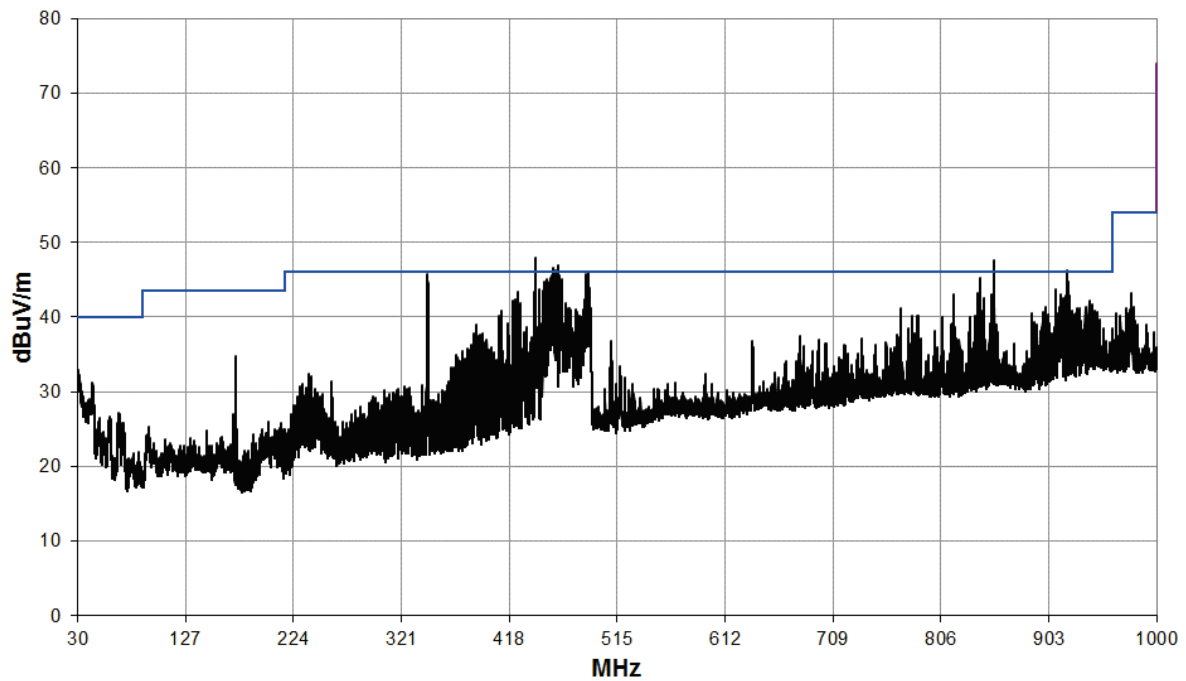
Band Edge



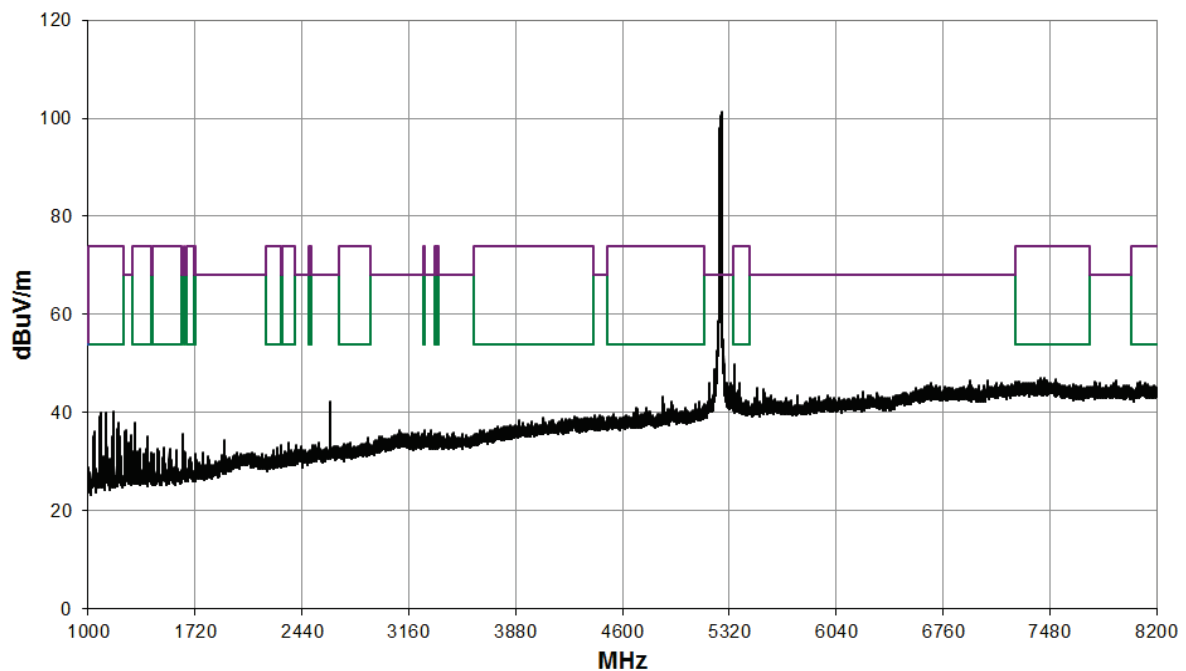
Date: 23.JUN.2020 14:50:22

MIMO; Mode: 802.11ac20; Channel: CH52; Frequency: 5260 MHz; Bandwidth: 20 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	15783.0	38.3	11.0	32.1	34.6	0.0	37.3	-9.5	73.3	500

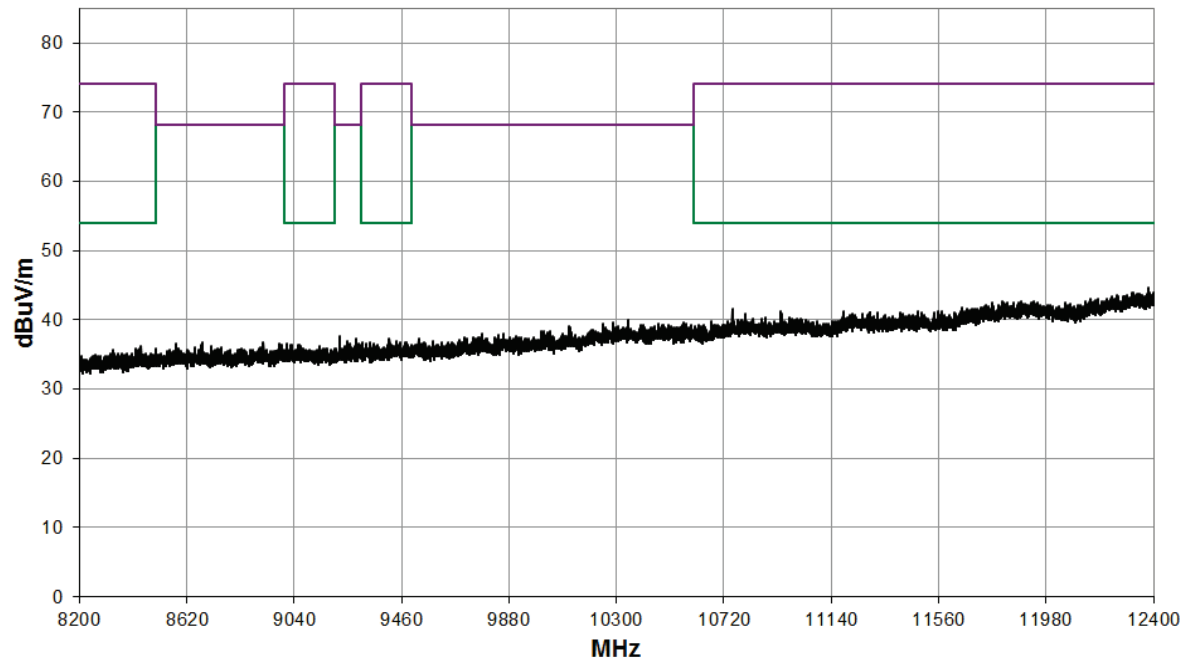
30 MHz to 1 GHz



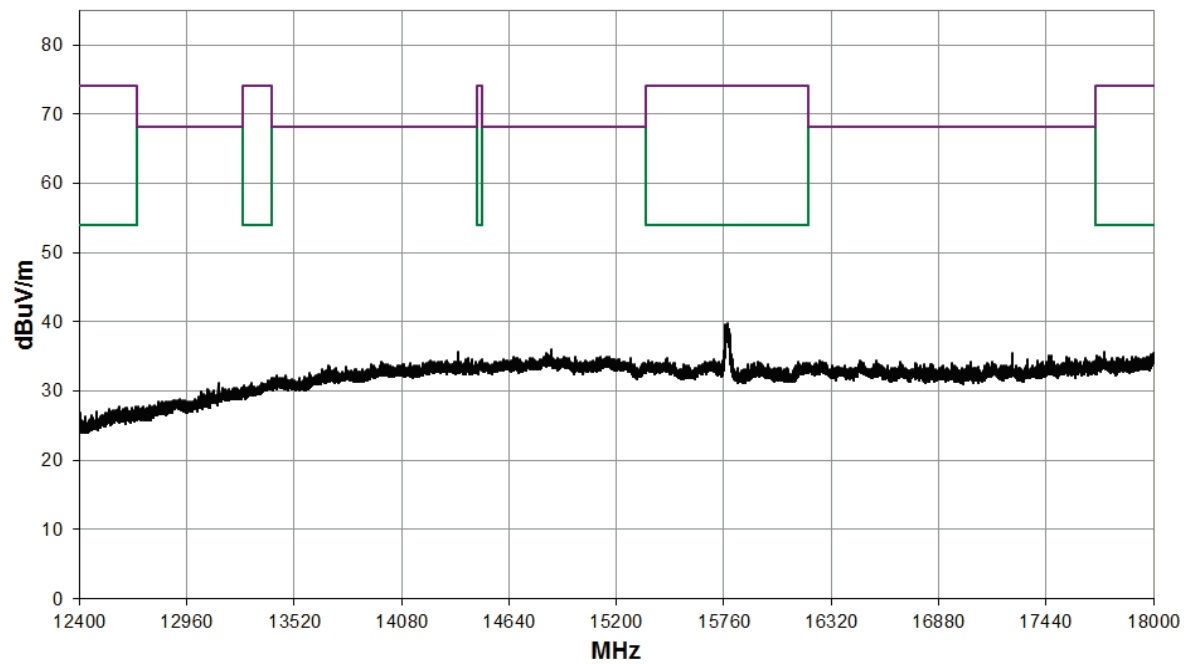
1 GHz to 8.2 GHz



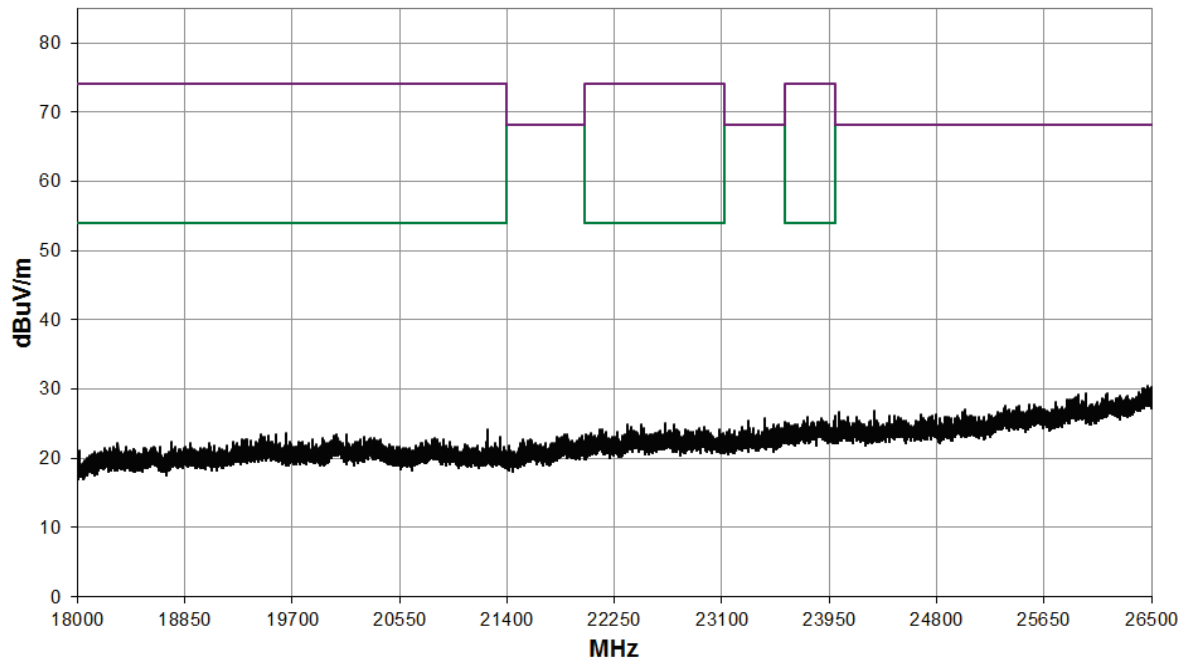
8.2 GHz to 12.4 GHz



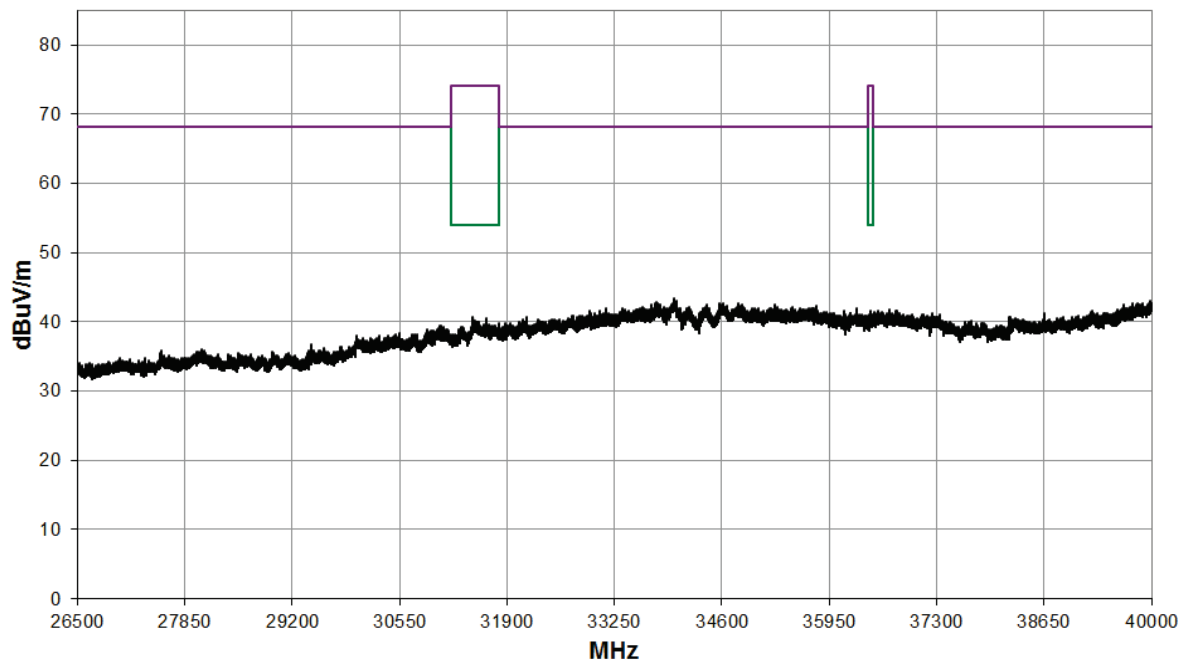
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

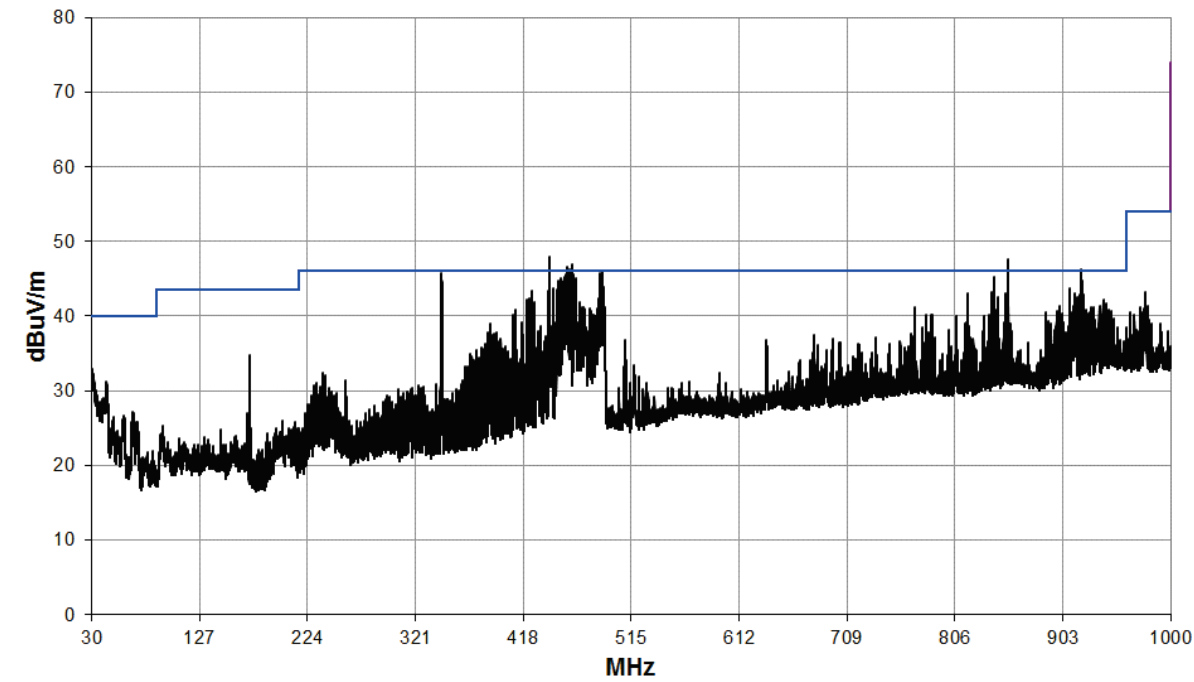


26.5 GHz to 40 GHz

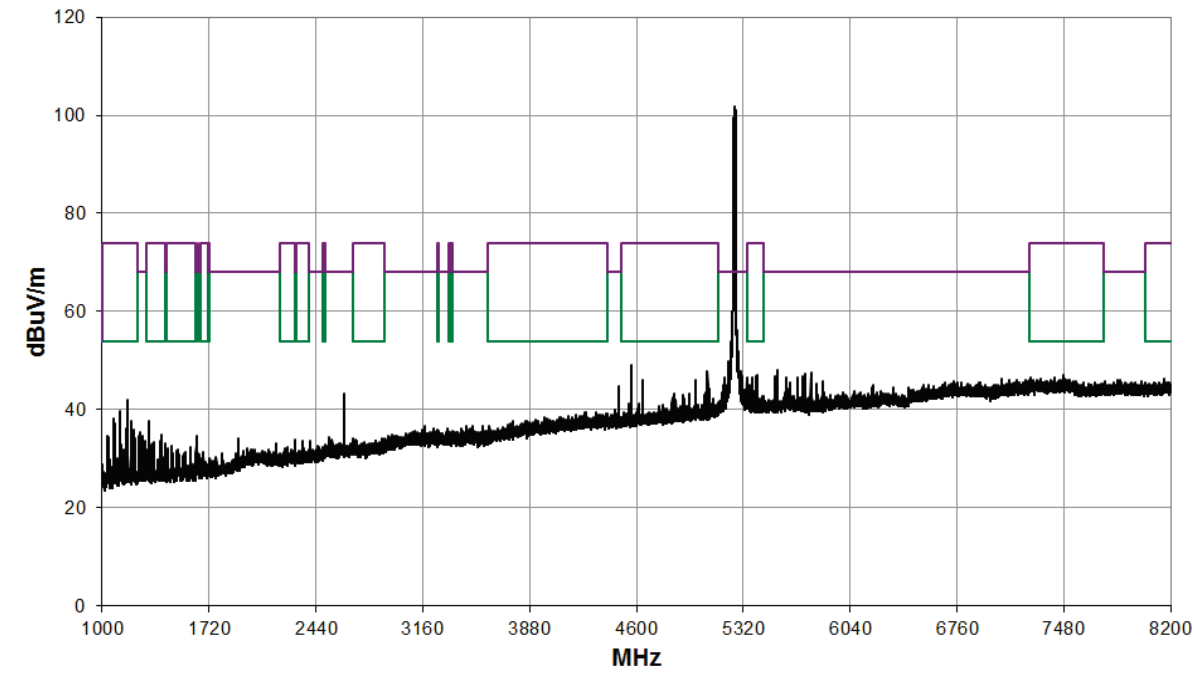


MIMO; Mode: 802.11ac20; Channel: CH52; Frequency: 5260 MHz; Bandwidth: 20 MHz; MCS Index: 8										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	4562.3	18.4	5.2	32.8	0.0	0.0	56.4	0.0	660.7	5000
PK	5076.9	19.3	5.6	33.4	0.0	0.0	58.3	0.0	822.2	5000
AV	15785.4	38.0	11.0	32.1	34.6	0.0	37.0	-9.5	70.8	500

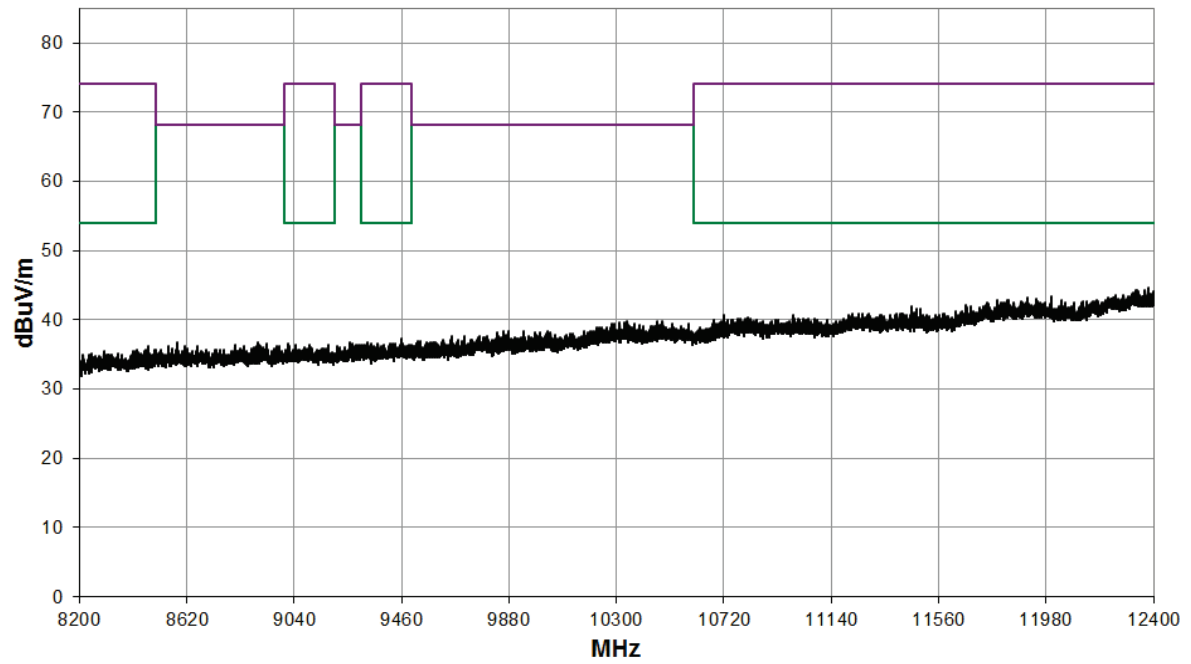
30 MHz to 1 GHz



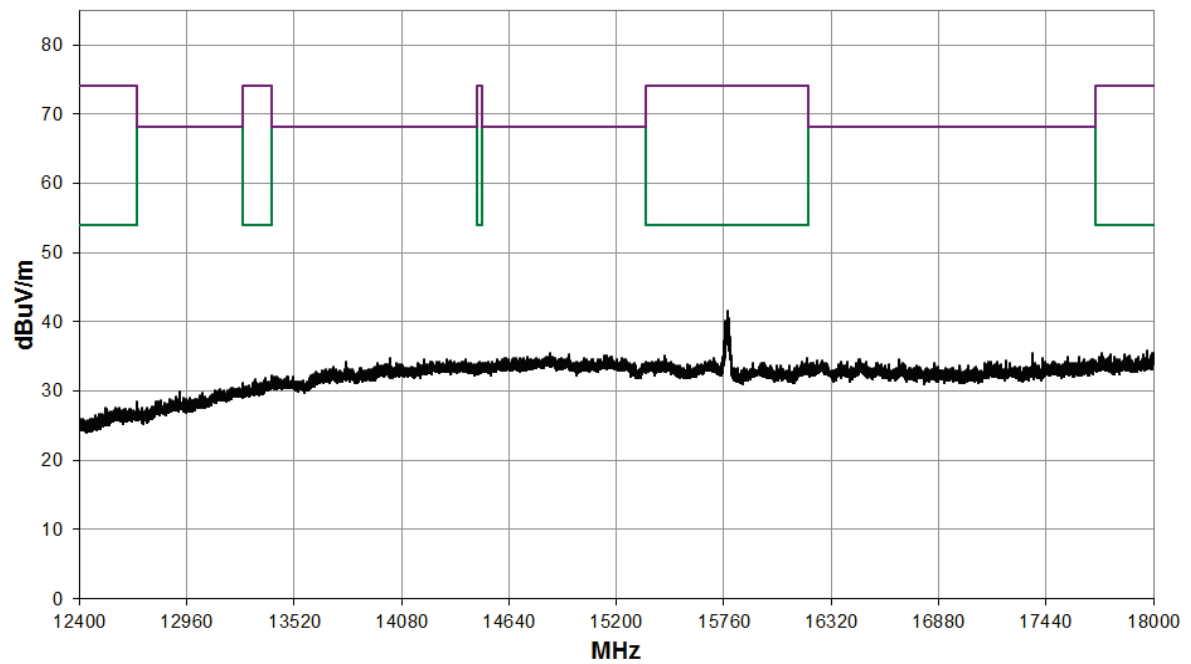
1 GHz to 8.2 GHz



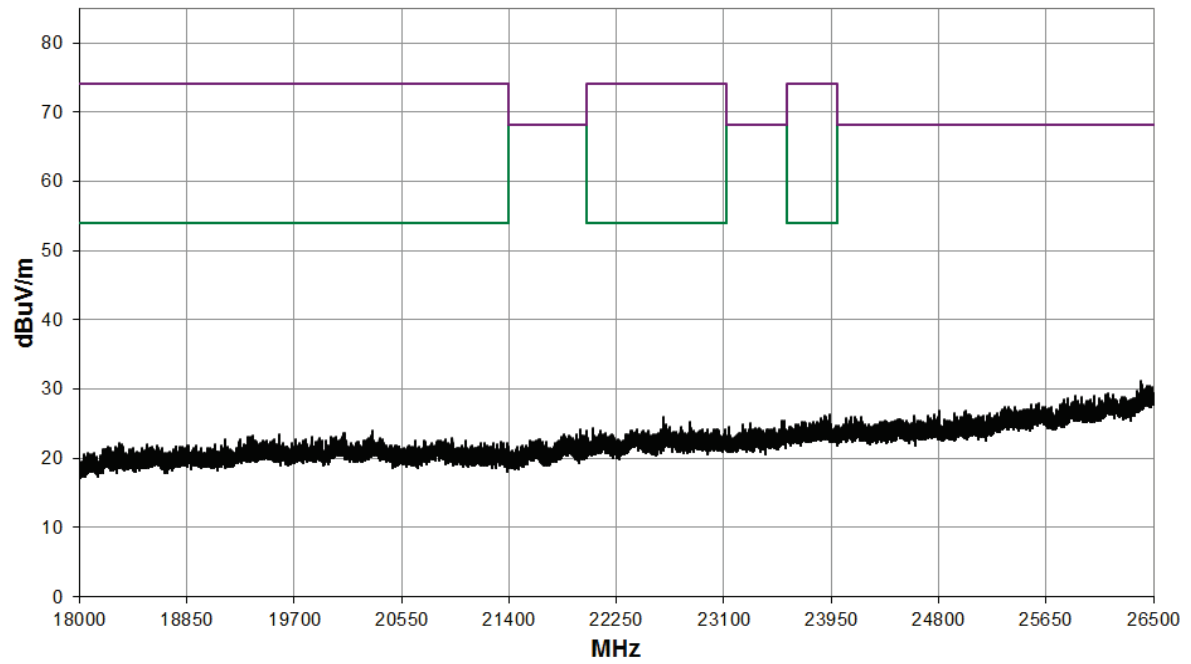
8.2 GHz to 12.4 GHz



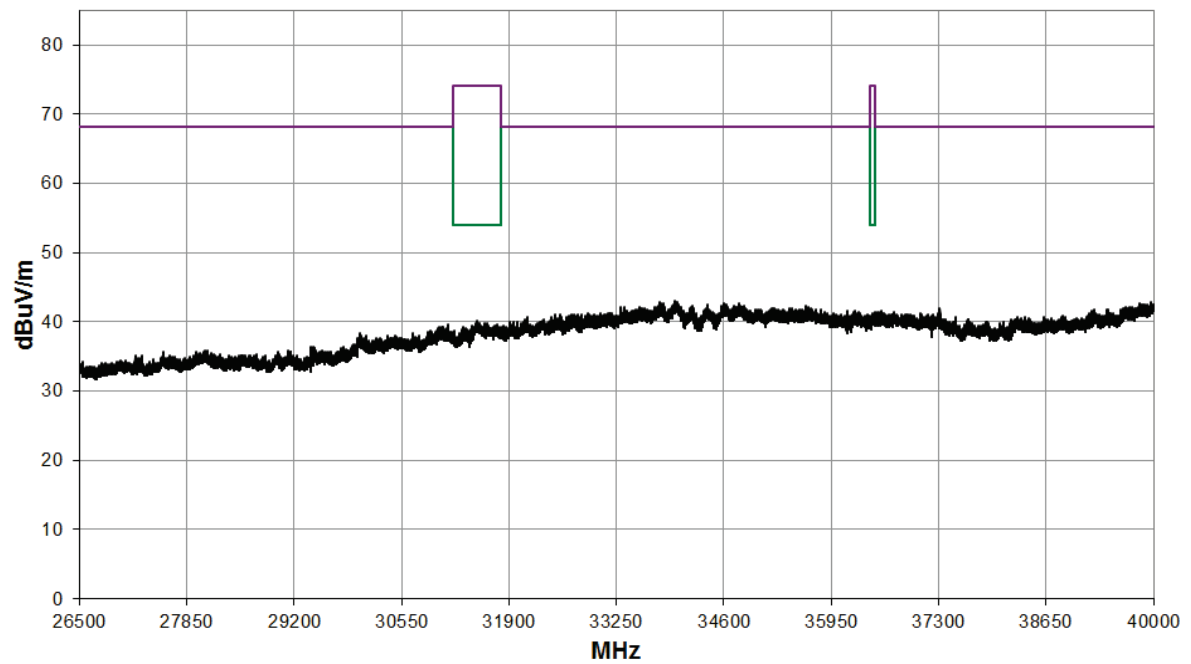
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

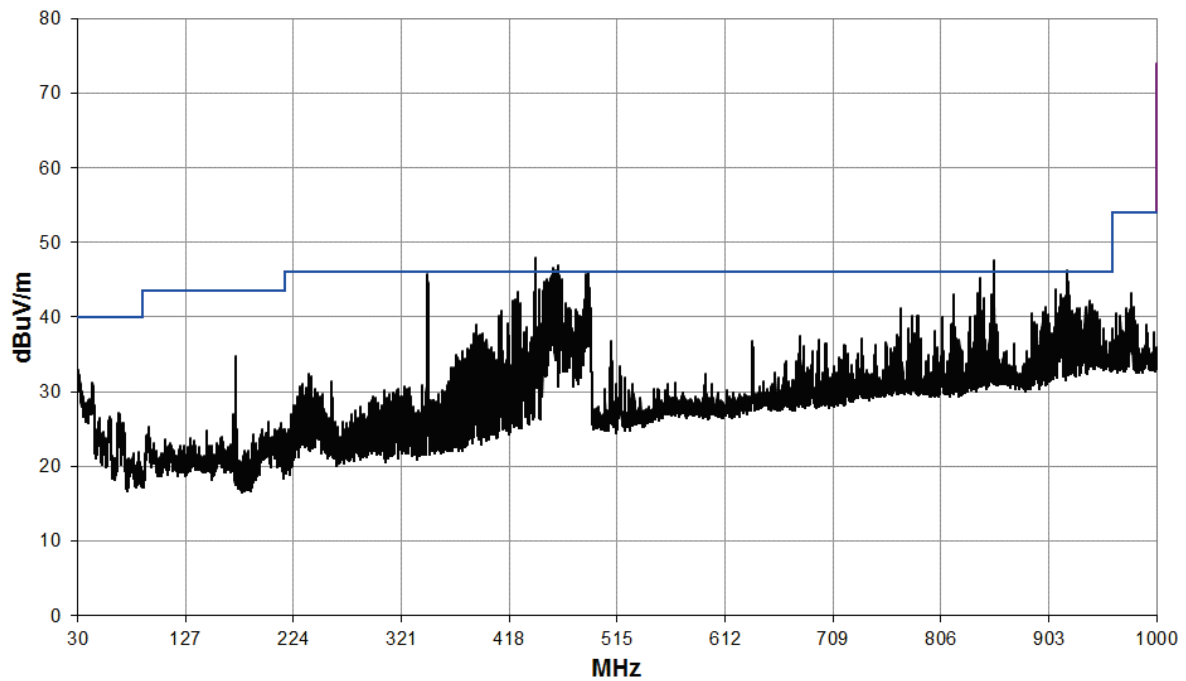


26.5 GHz to 40 GHz

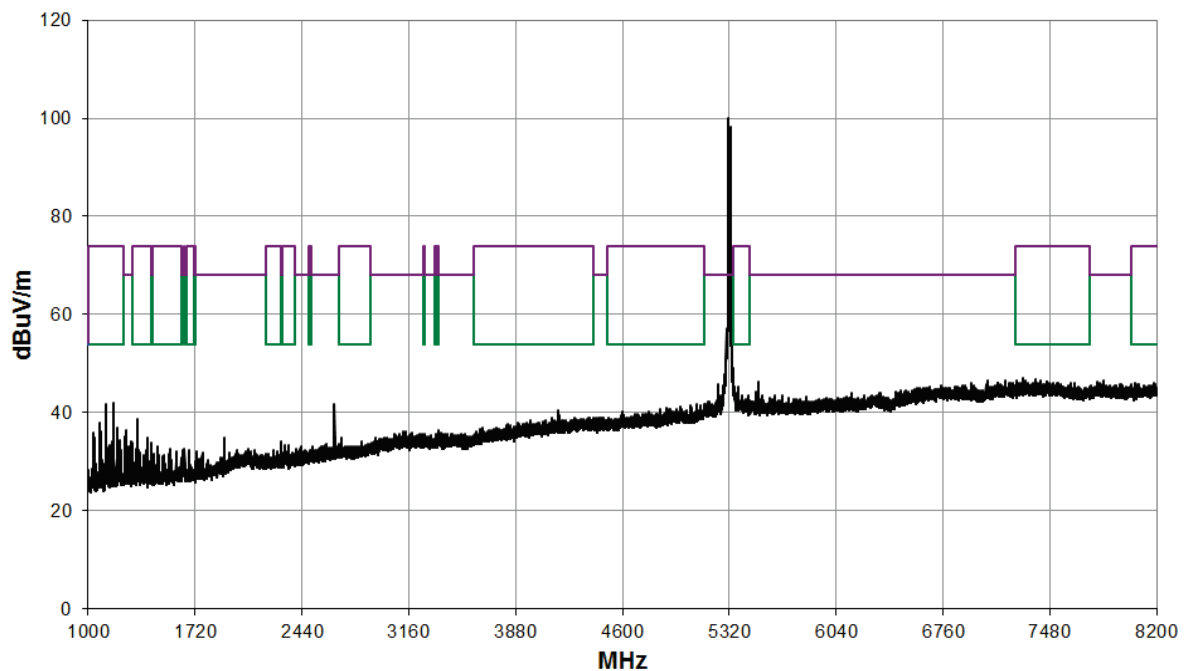


MIMO; Mode: 802.11ac20; Channel: CH64; Frequency: 5320 MHz; Bandwidth: 20 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	15960.2	40.8	11.1	32.2	34.7	0.0	39.9	-9.5	98.9	500

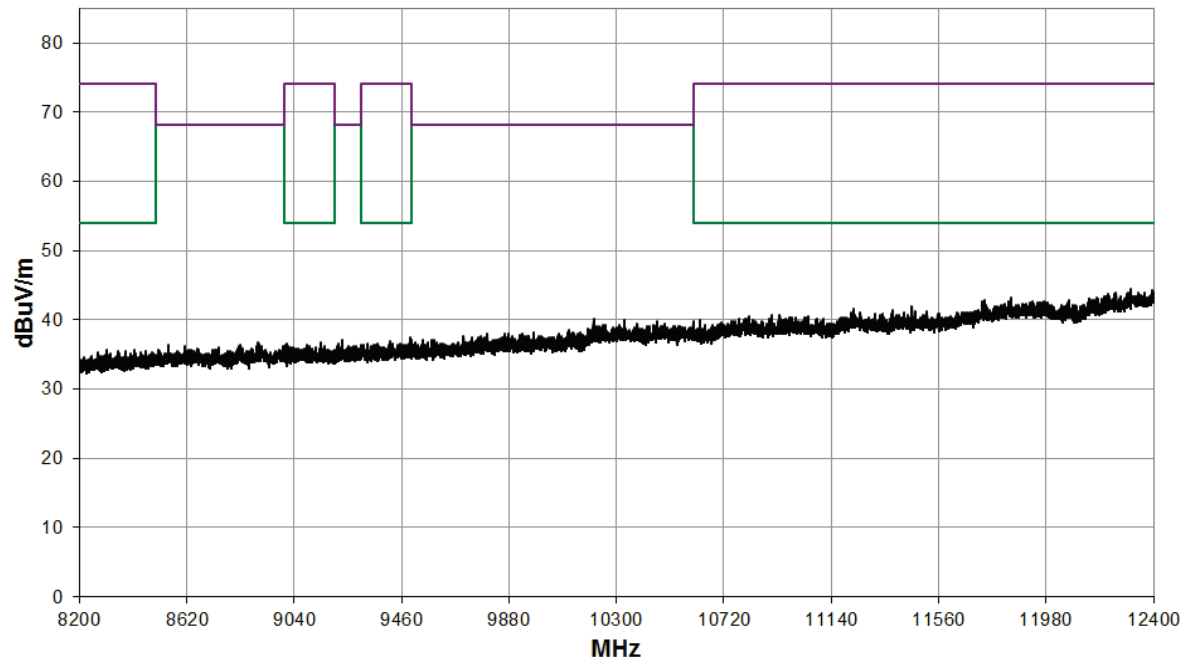
30 MHz to 1 GHz



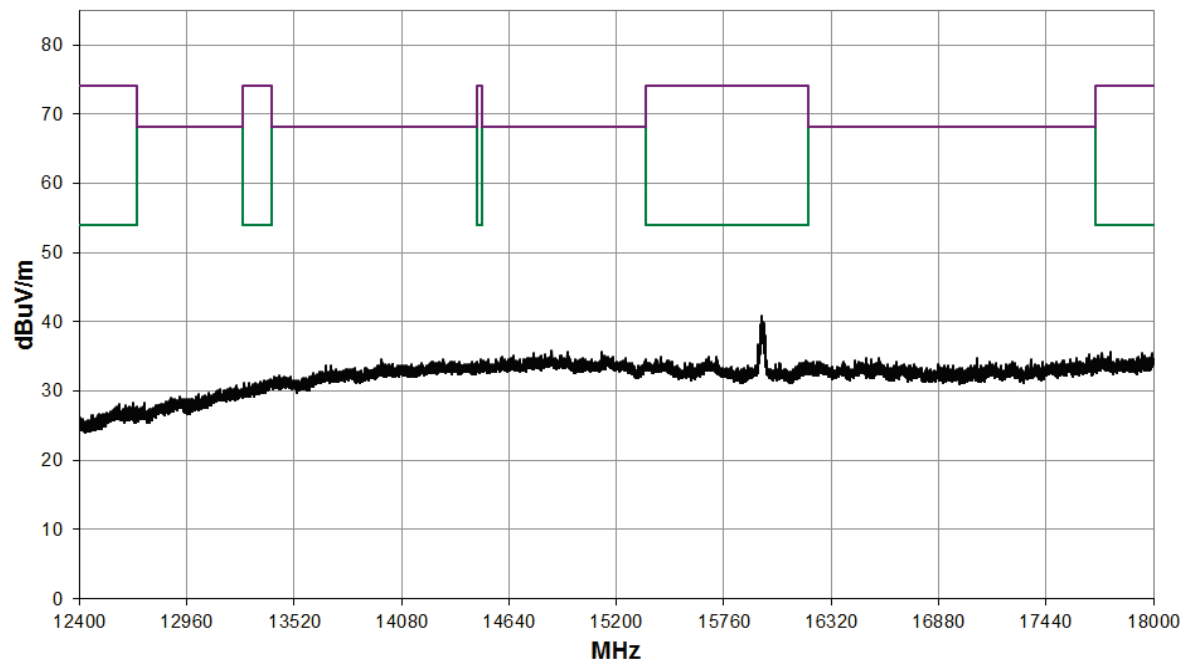
1 GHz to 8.2 GHz



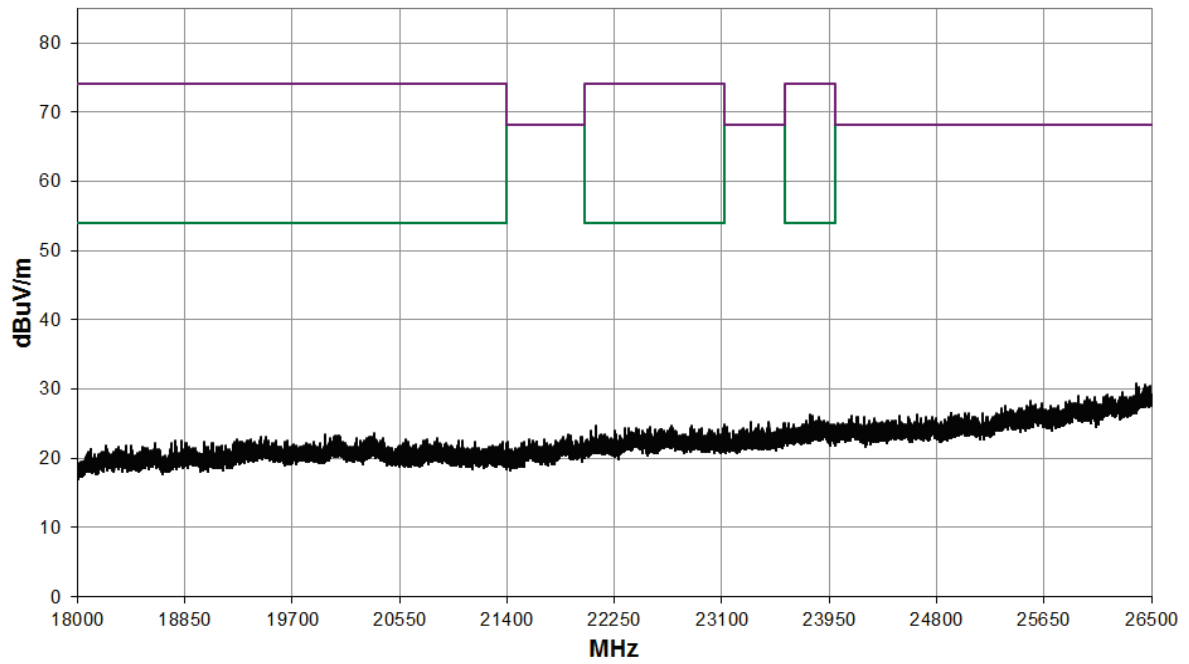
8.2 GHz to 12.4 GHz



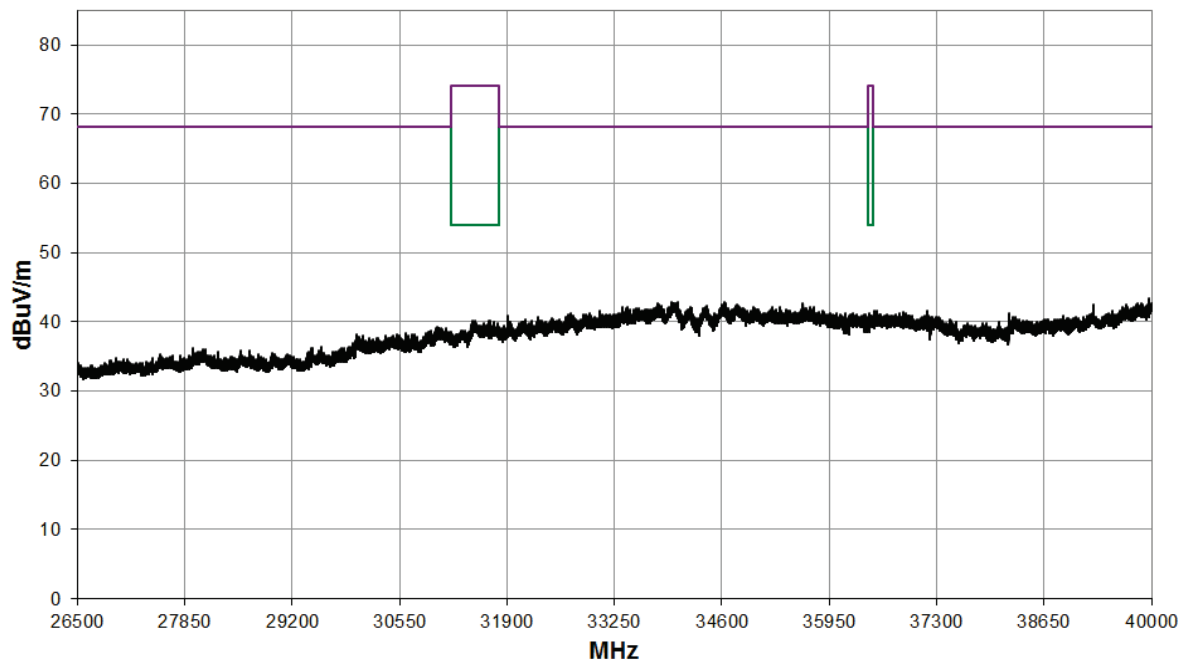
12.4 GHz to 18 GHz



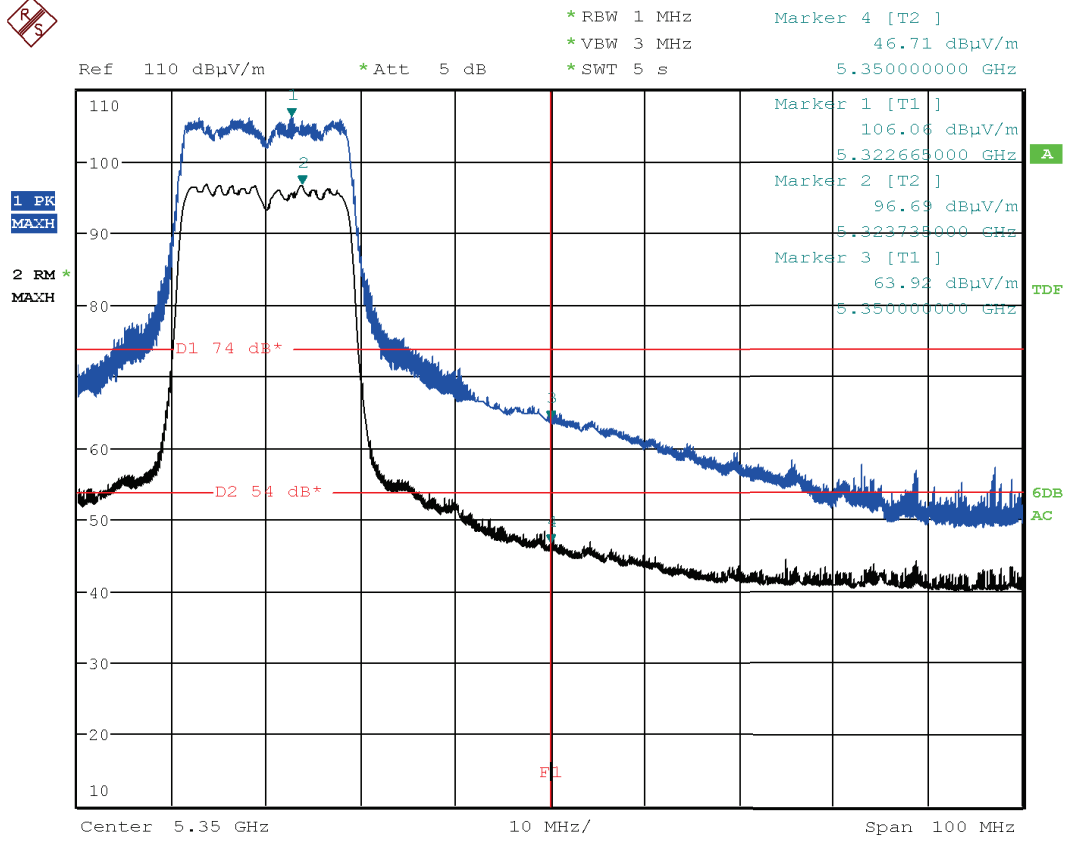
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



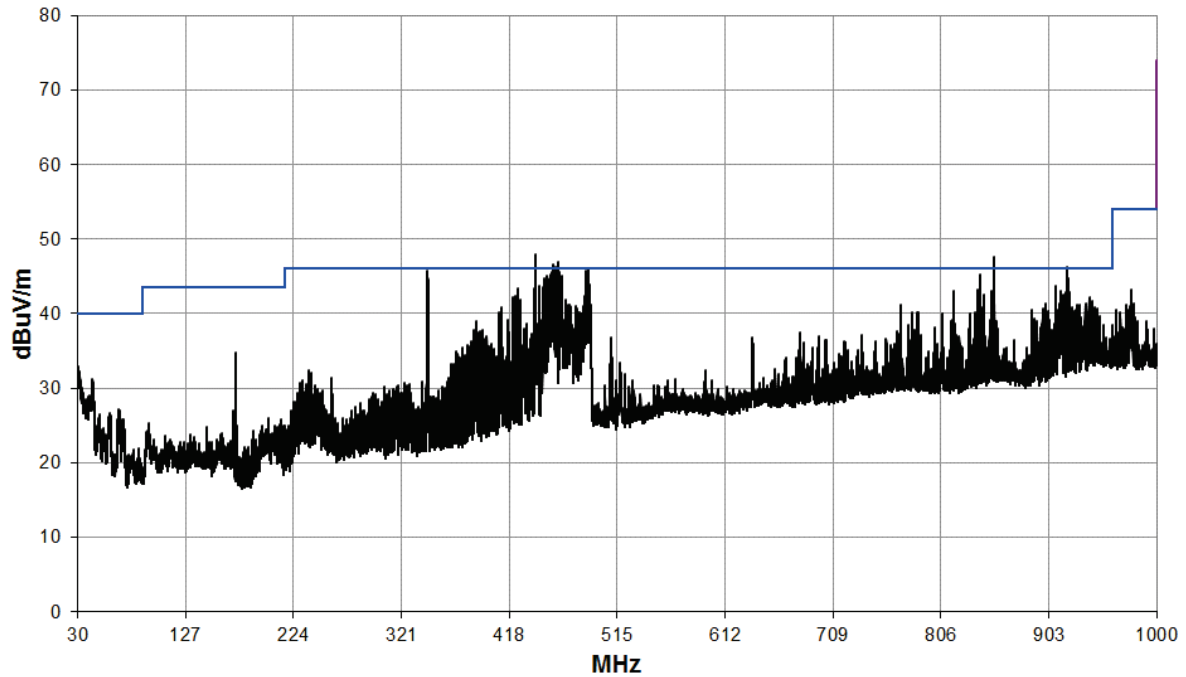
Band Edge



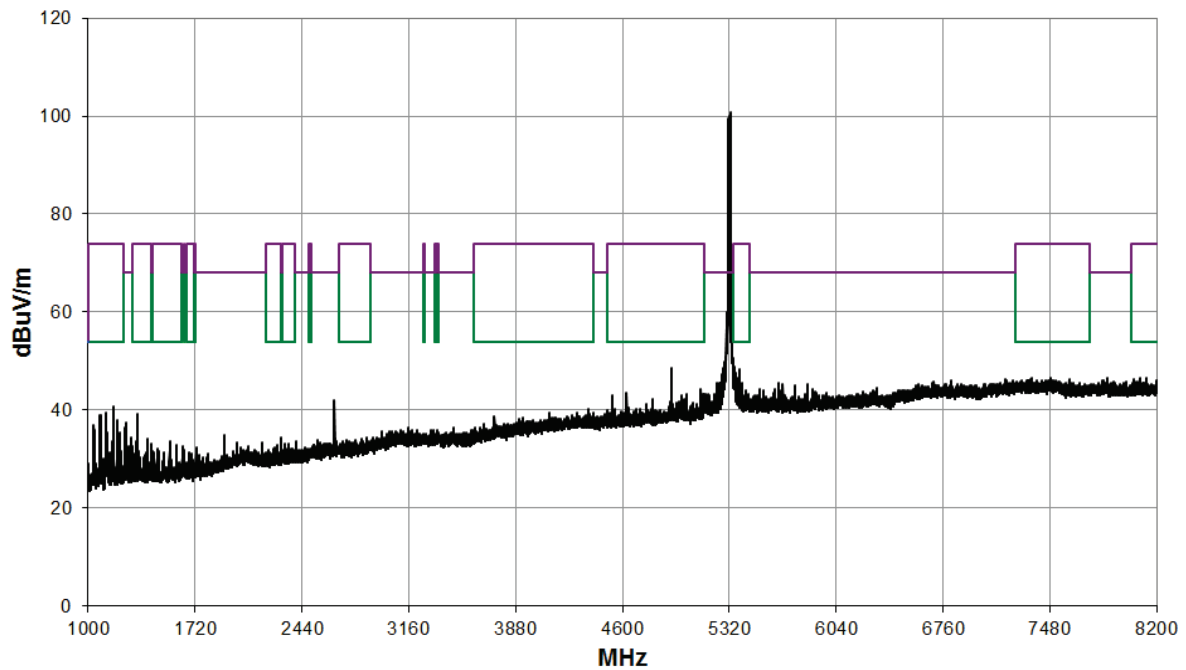
Date: 23.JUN.2020 13:35:01

MIMO; Mode: 802.11ac20; Channel: CH64; Frequency: 5320 MHz; Bandwidth: 20 MHz; MCS Index: 8										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	4929.1	-3.9	5.5	33.3	0.0	0.0	34.9	0.0	55.6	500
AV	15960.0	41.9	11.1	32.2	34.7	0.0	41.0	0.0	112.2	500

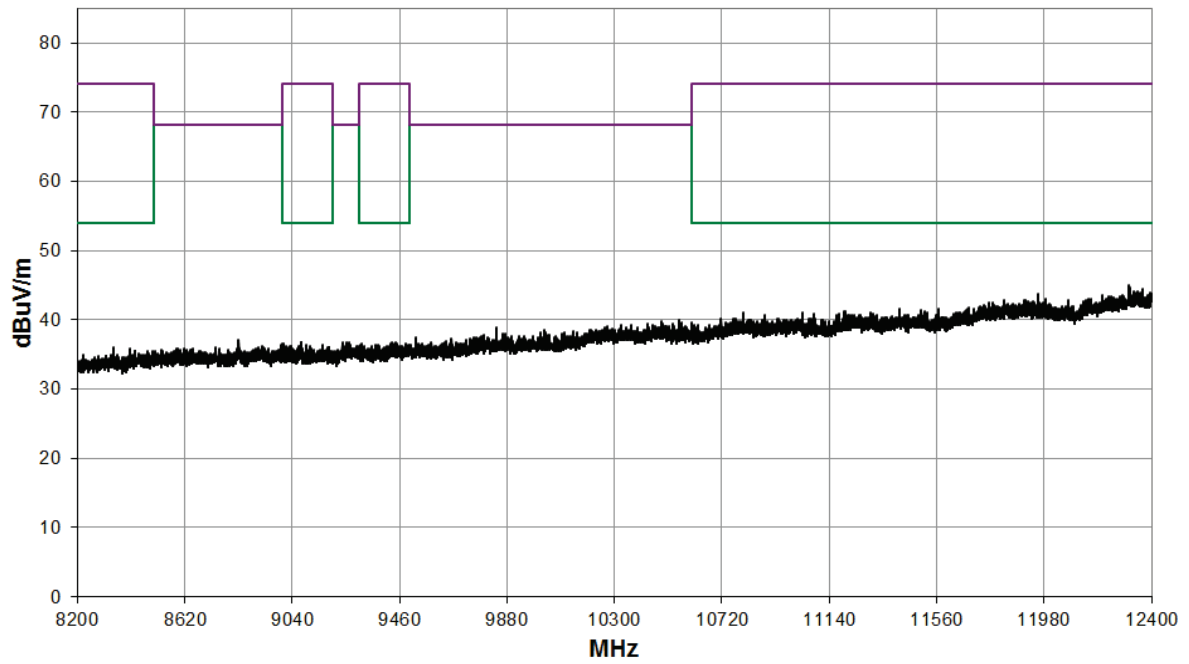
30 MHz to 1 GHz



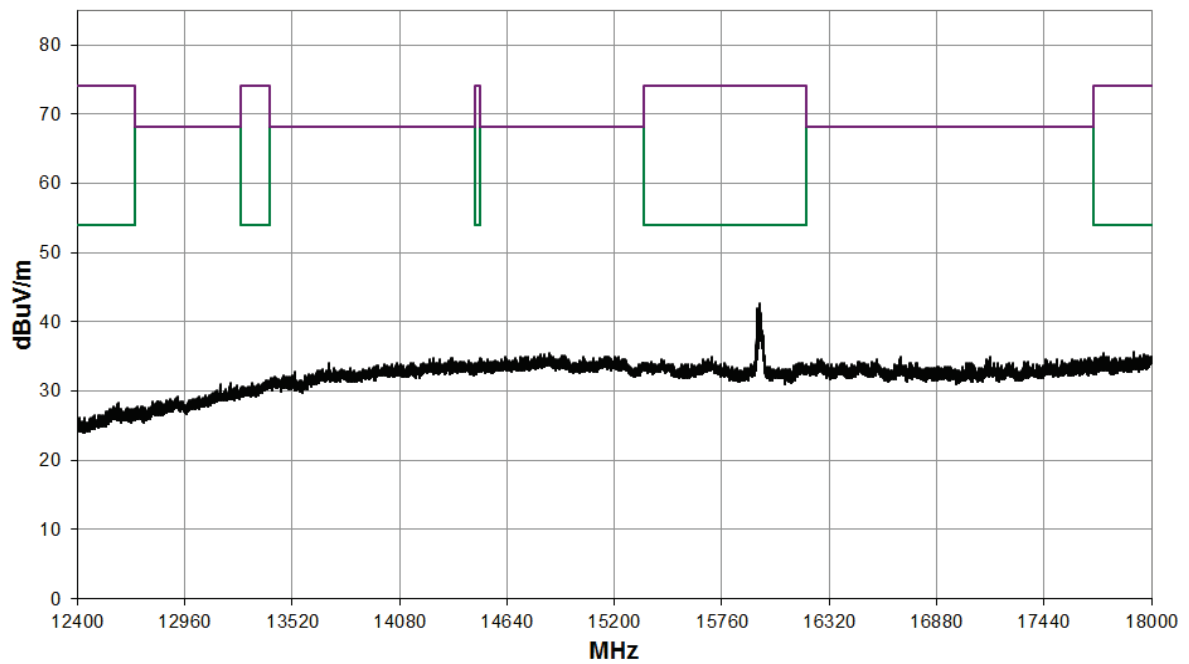
1 GHz to 8.2 GHz



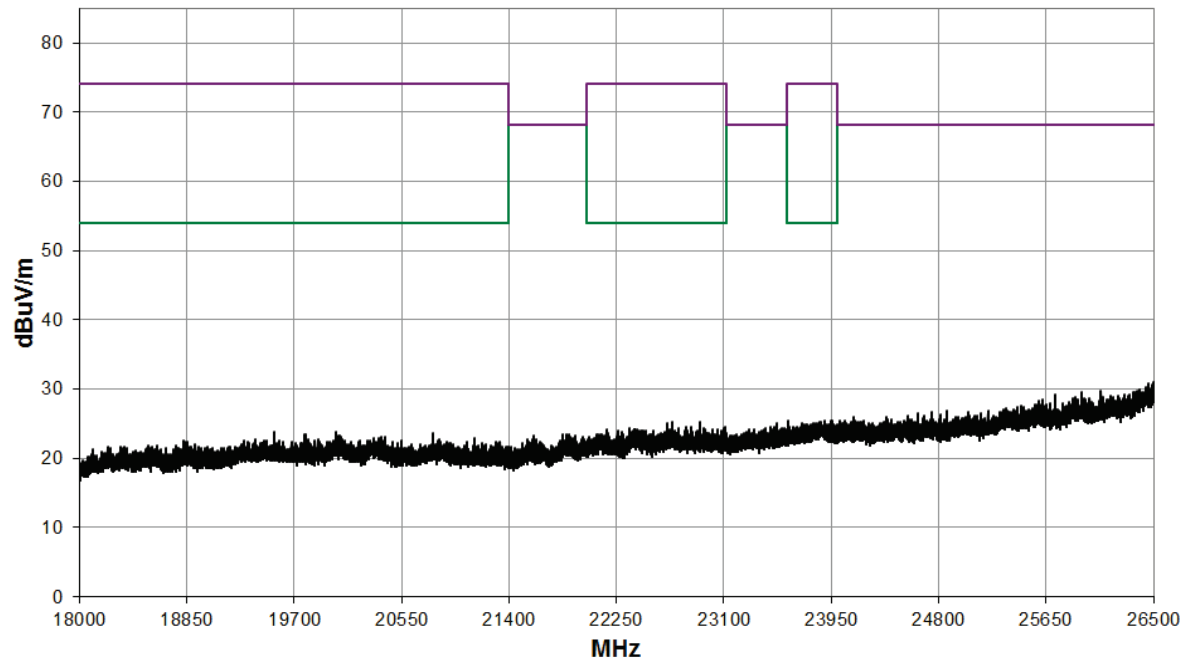
8.2 GHz to 12.4 GHz



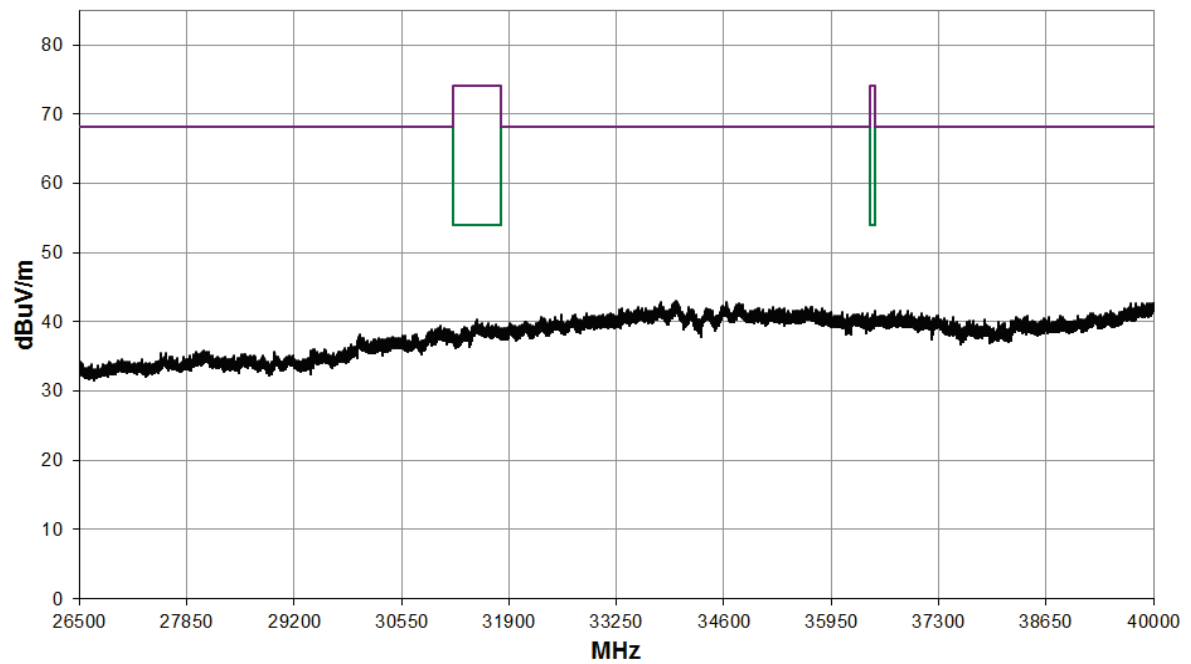
12.4 GHz to 18 GHz



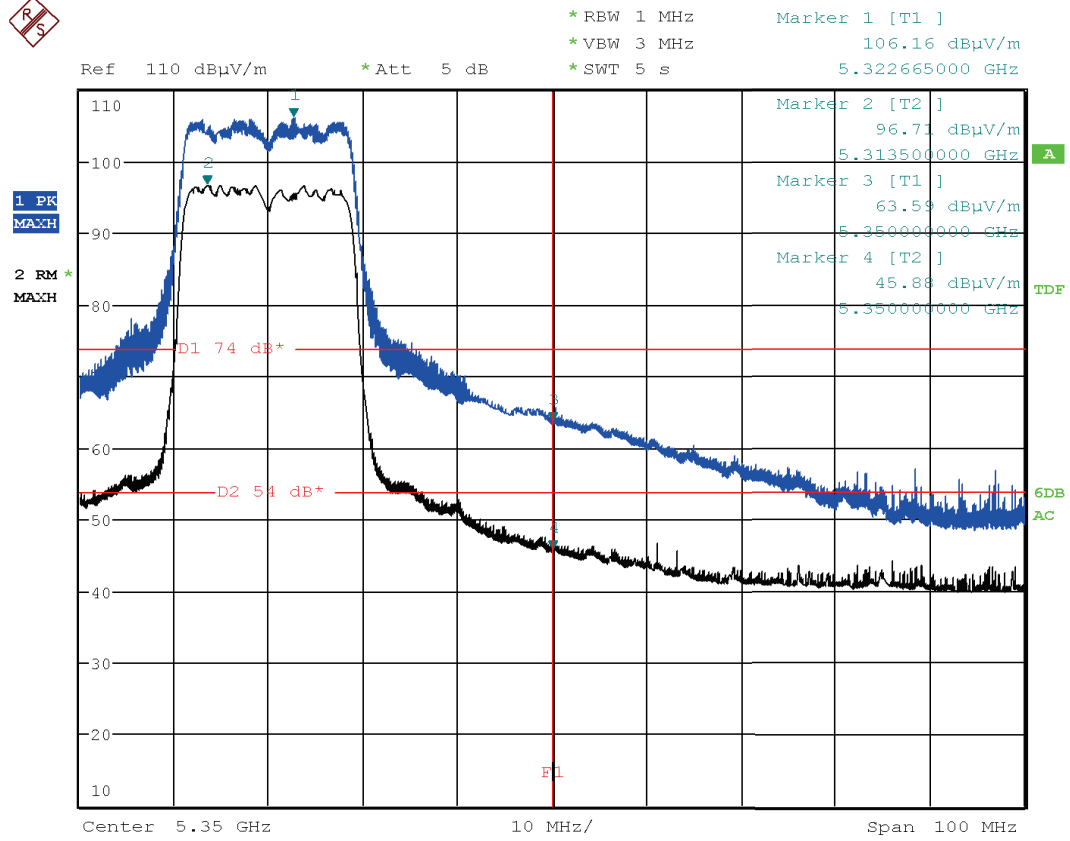
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



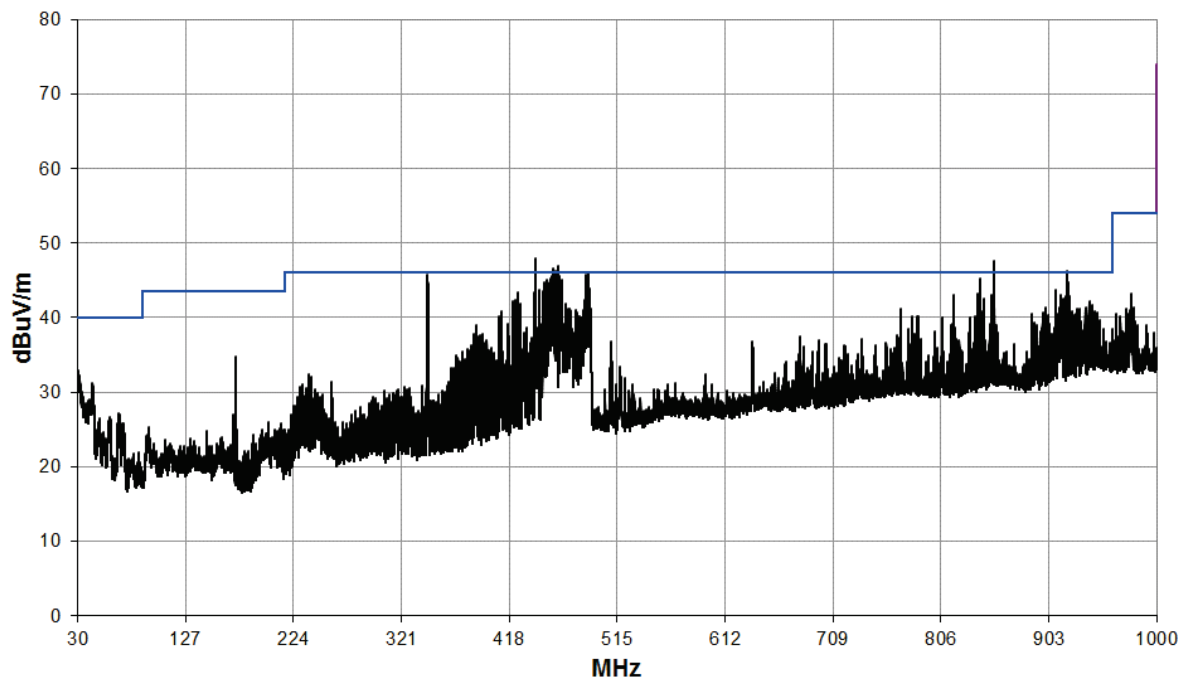
Band Edge



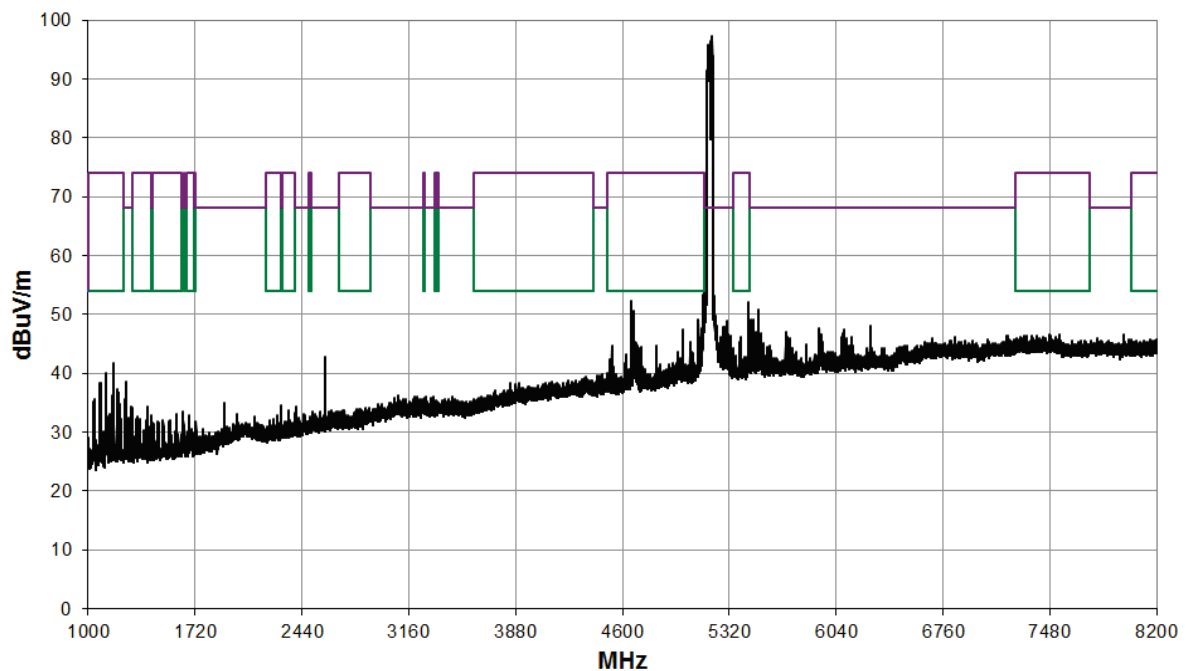
Date: 23.JUN.2020 13:36:10

MIMO; Mode: 802.11ac40; Channel: CH38; Frequency: 5190 MHz; Bandwidth: 40 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	4677.8	-4.3	5.3	33.2	0.0	0.0	34.2	0.0	51.3	500
AV	4998.7	-2.1	5.5	33.3	0.0	0.0	36.7	0.0	68.4	500
PK	4999.5	21.4	5.5	33.3	0.0	0.0	60.2	0.0	1023.3	5000
PK	15533.8	56.2	10.9	31.7	0.0	0.0	54.9	0.0	555.9	5000
AV	15534.5	41.8	10.9	31.7	0.0	0.0	40.5	0.0	105.9	500

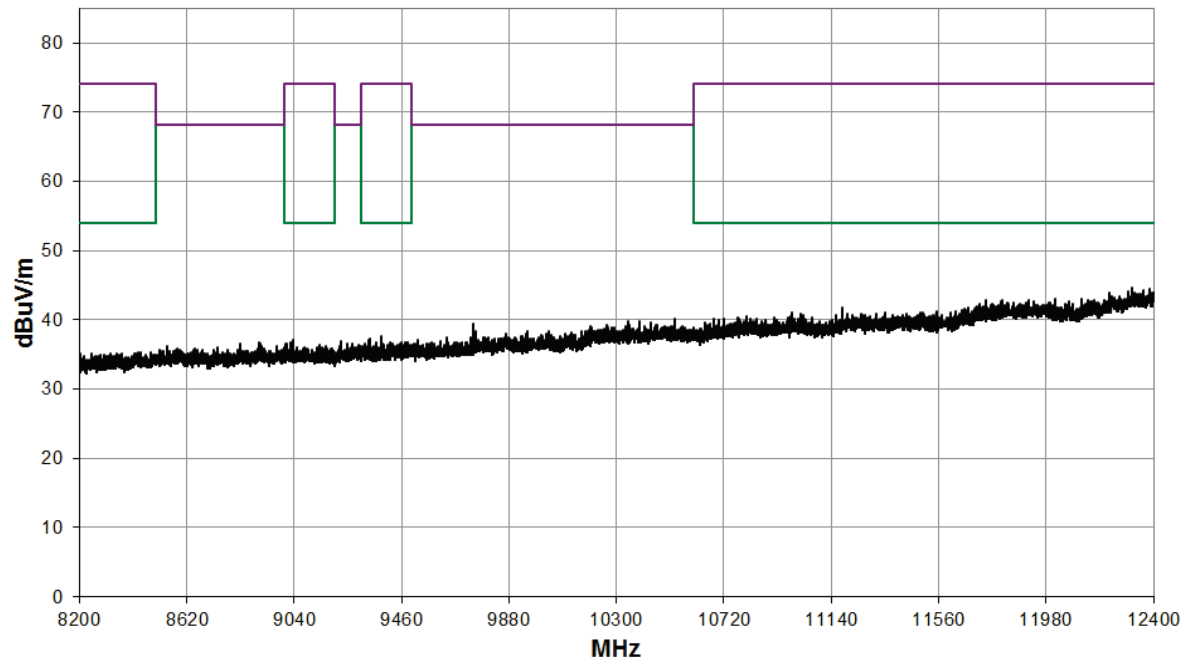
30 MHz to 1 GHz



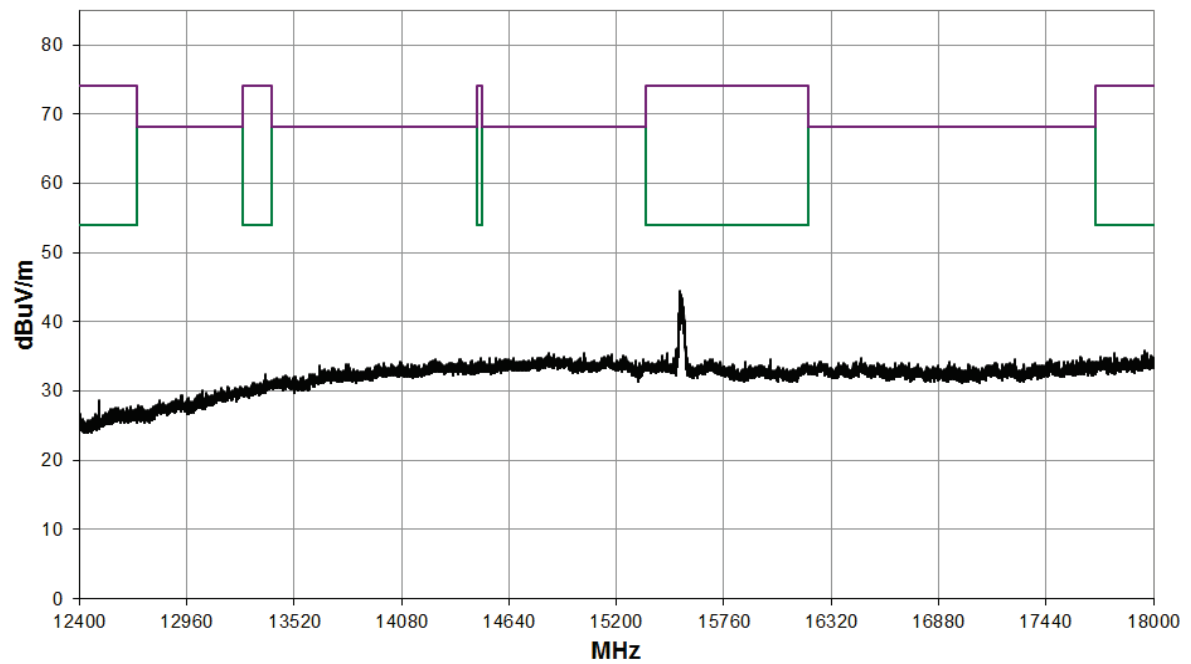
1 GHz to 8.2 GHz



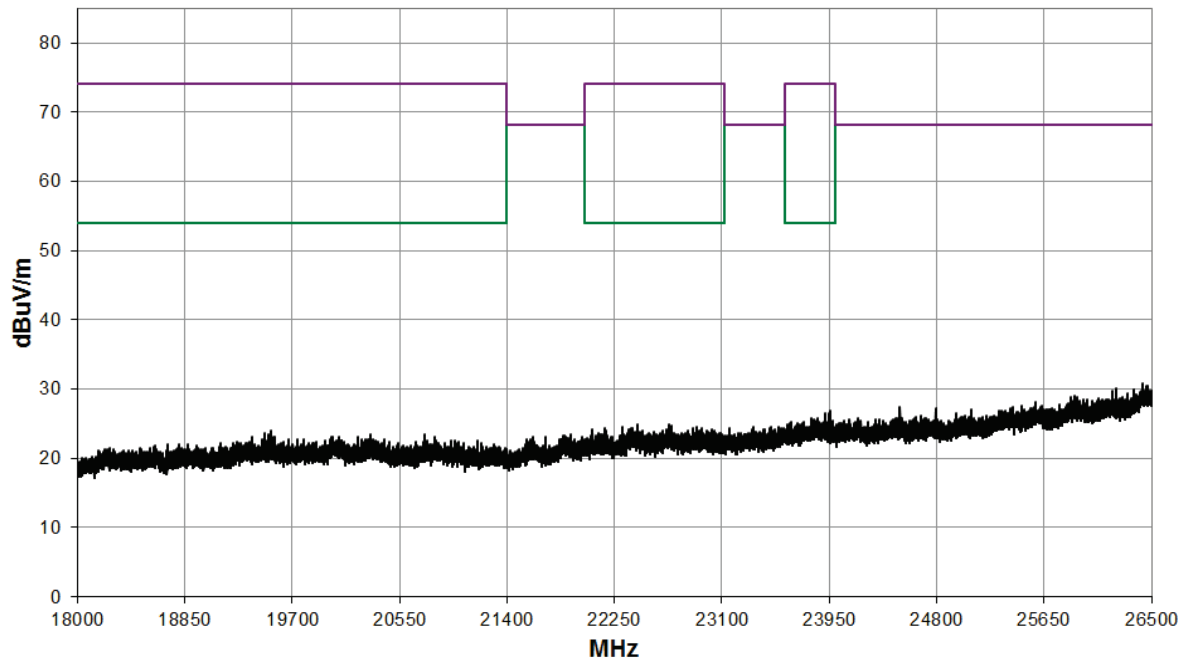
8.2 GHz to 12.4 GHz



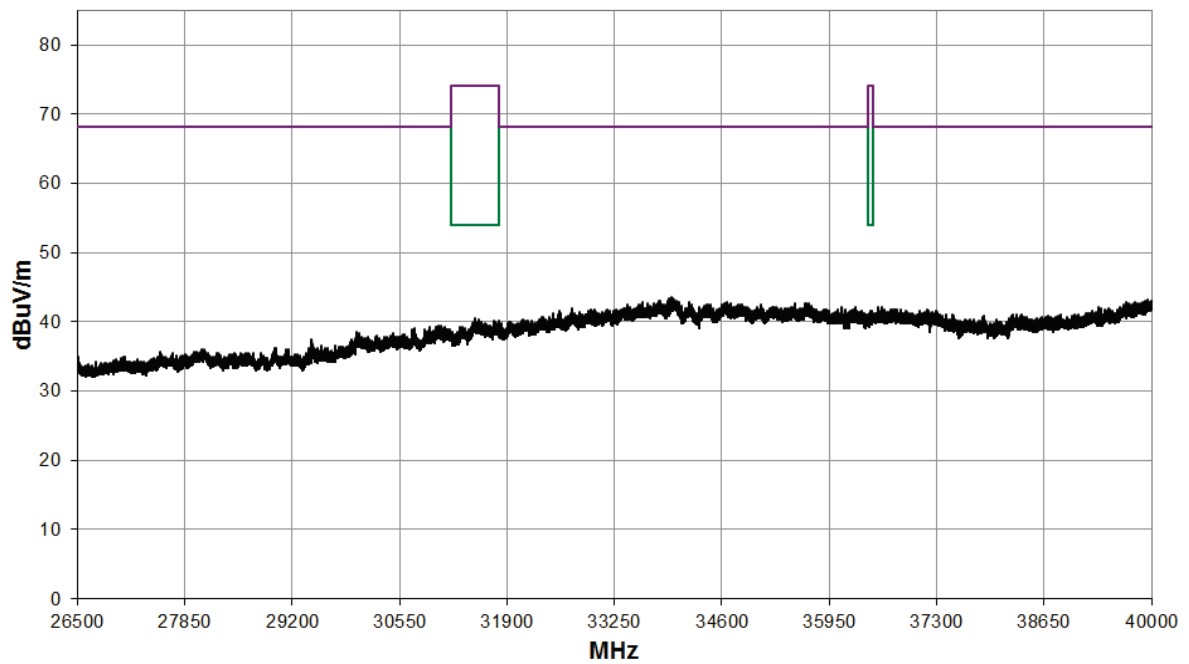
12.4 GHz to 18 GHz



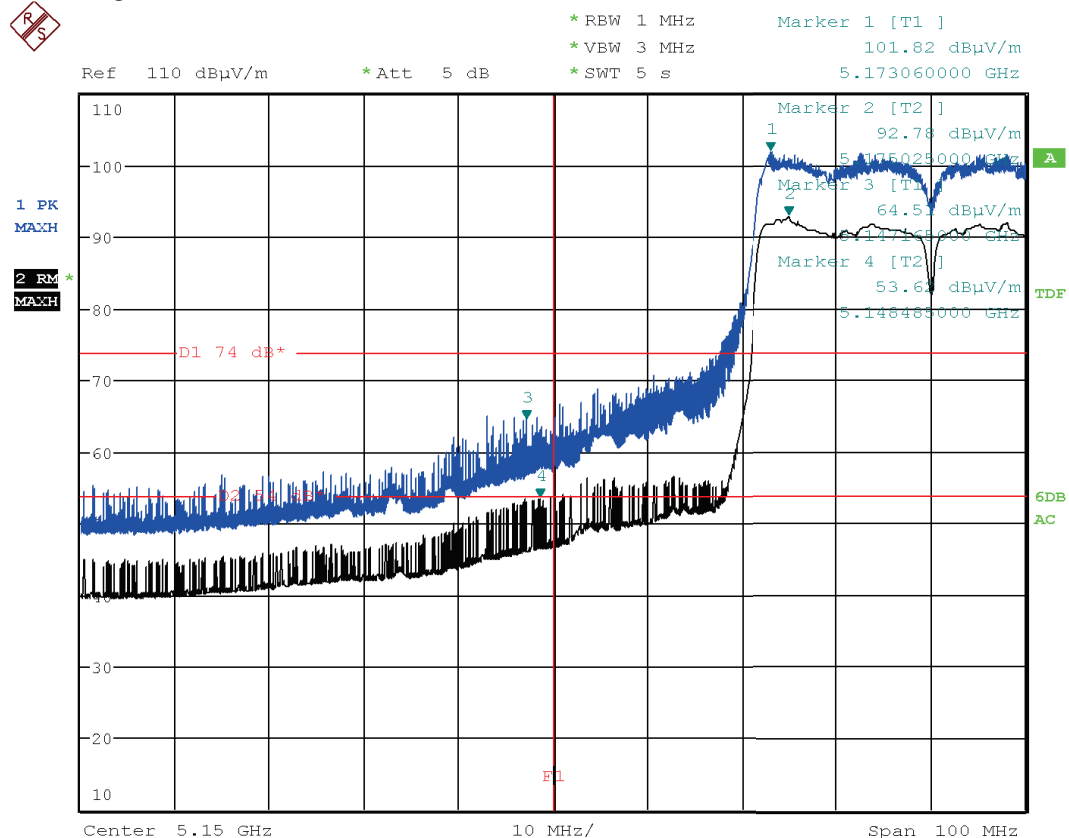
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



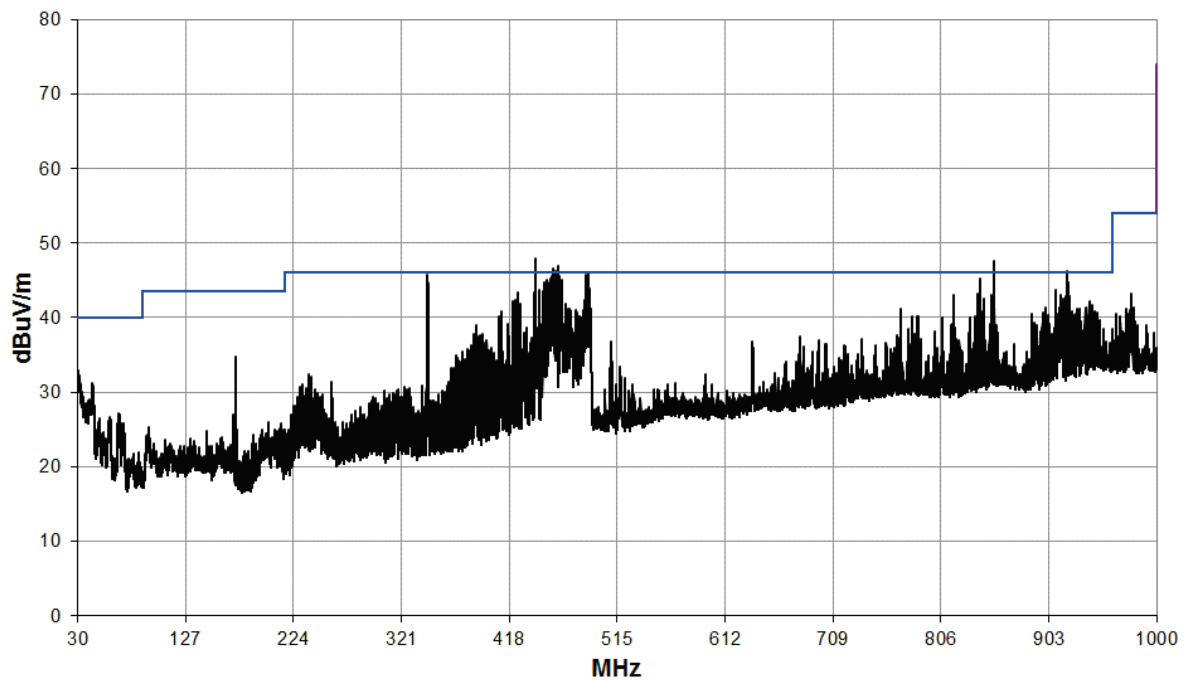
Band Edge



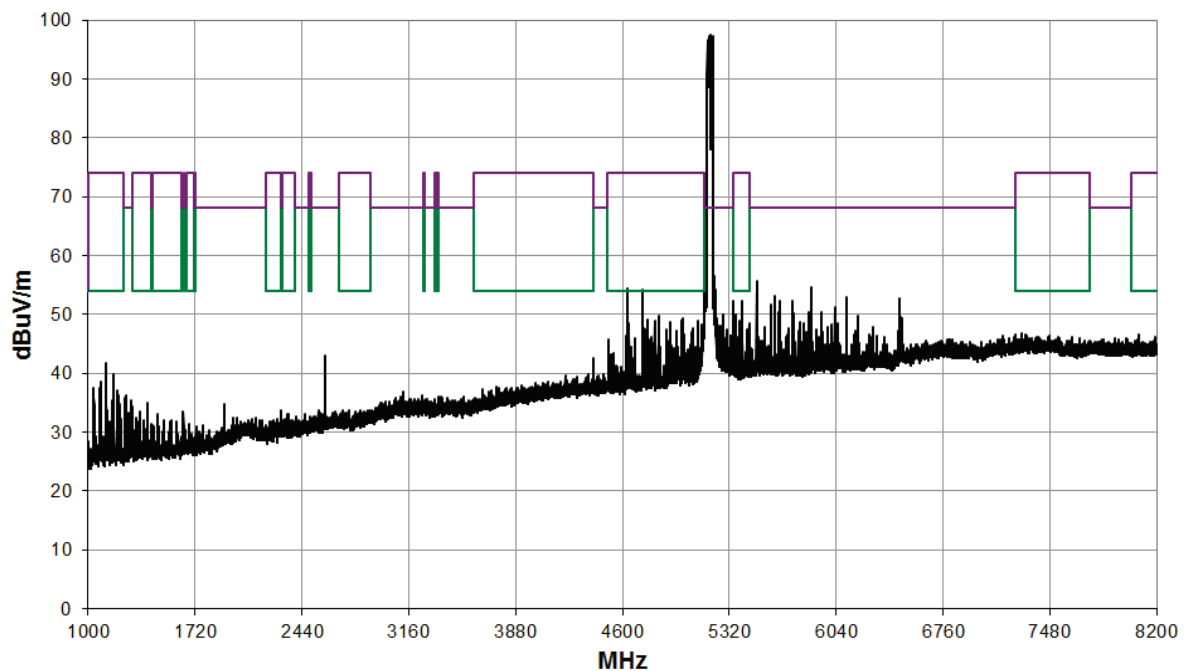
Date: 23.JUN.2020 15:27:35

MIMO; Mode: 802.11ac40; Channel: CH38; Frequency: 5190 MHz; Bandwidth: 40 MHz; MCS Index: 9										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	4630.8	18.3	5.3	33.0	0.0	0.0	57.5	0.0	749.9	5000
AV	4997.6	-3.6	5.5	33.3	0.0	0.0	35.2	0.0	57.5	500
PK	5503.9	18.6	5.9	34.9	0.0	0.0	59.4	0.0	933.3	2500
PK	5942.0	16.9	6.1	35.9	0.0	0.0	58.9	0.0	881.0	2500
PK	6483.8	14.2	6.6	36.7	0.0	0.0	57.5	0.0	749.9	2500

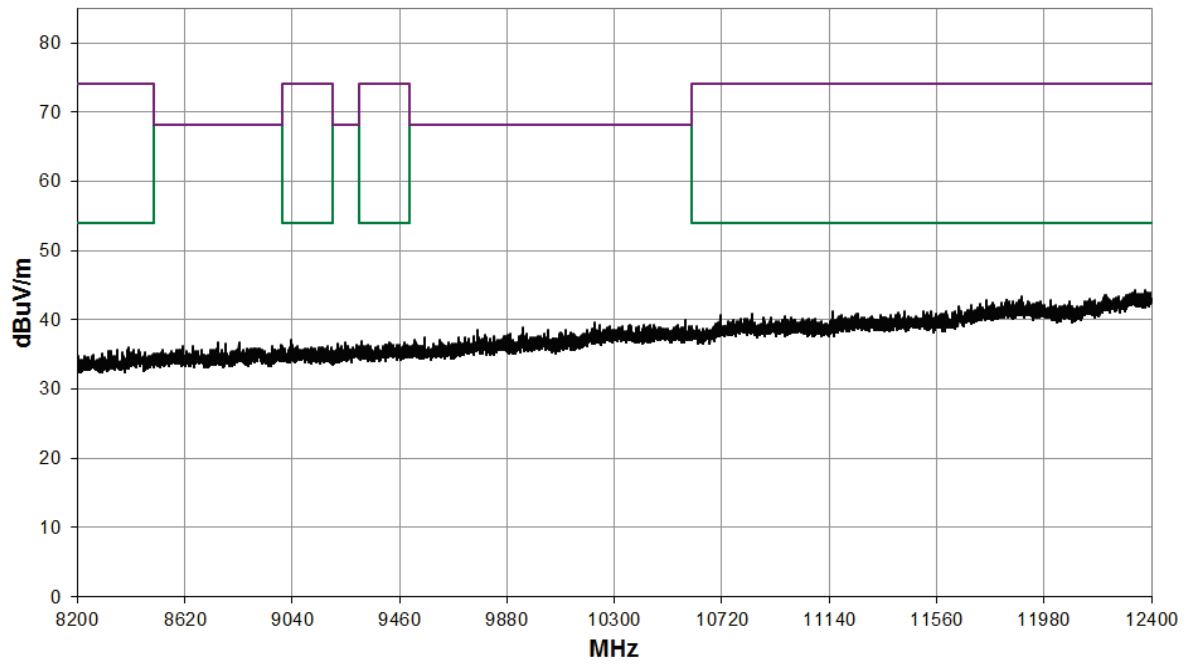
30 MHz to 1 GHz



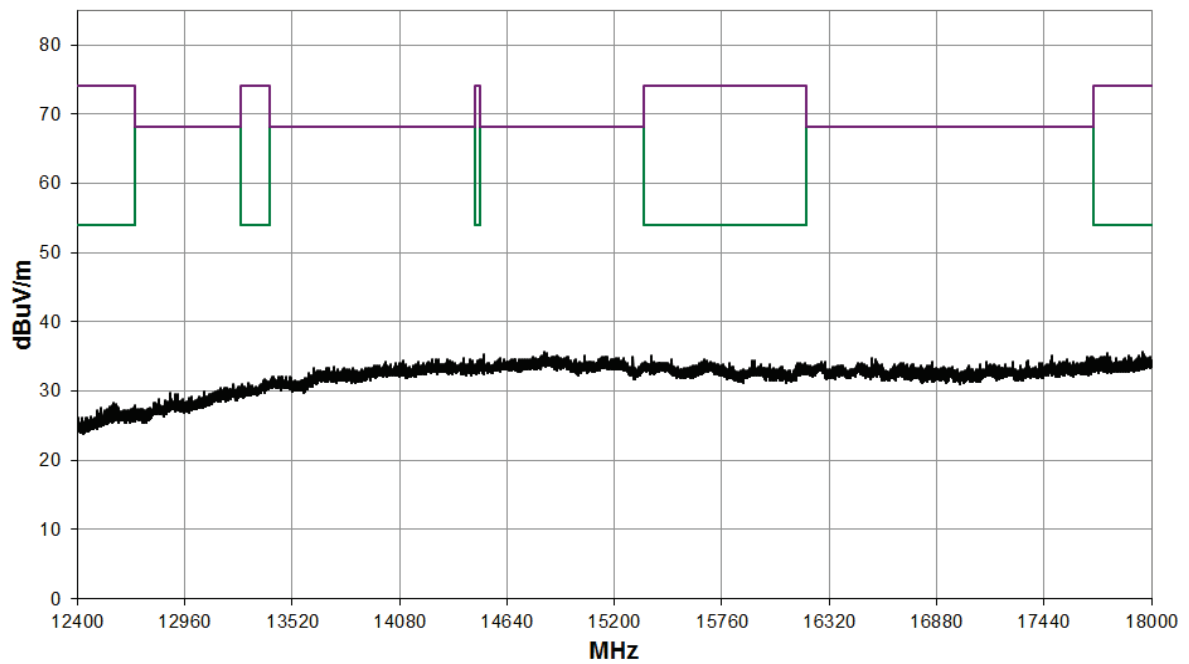
1 GHz to 8.2 GHz



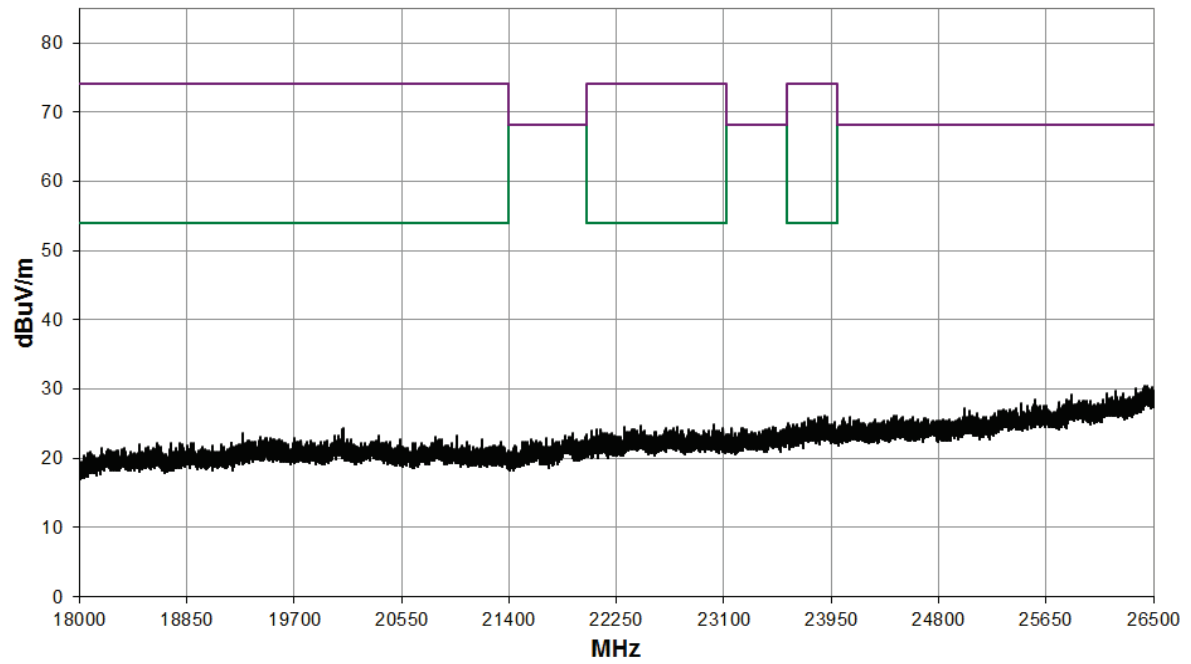
8.2 GHz to 12.4 GHz



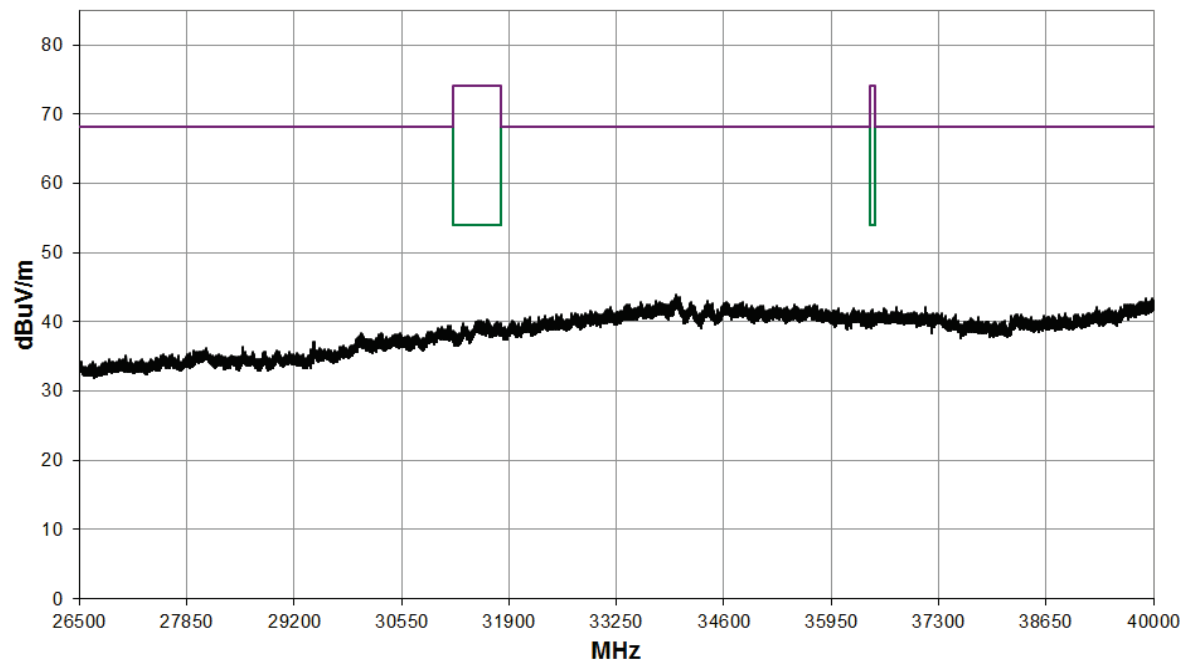
12.4 GHz to 18 GHz



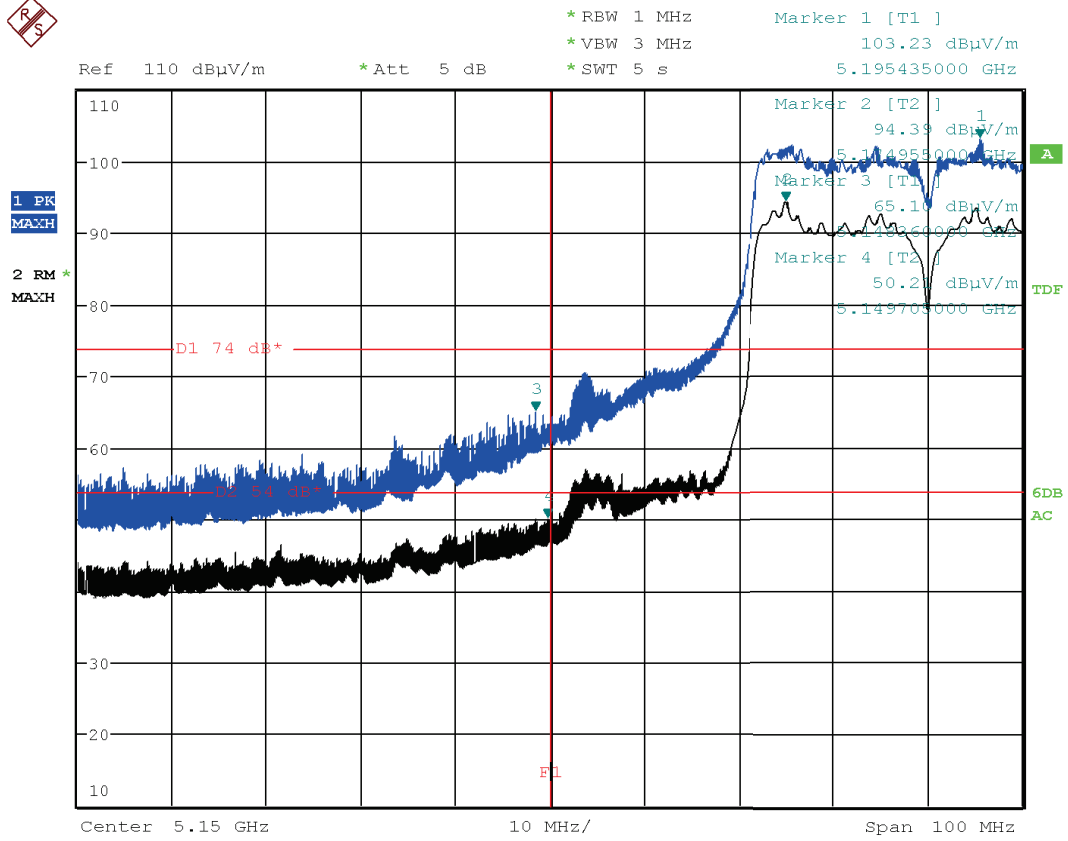
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



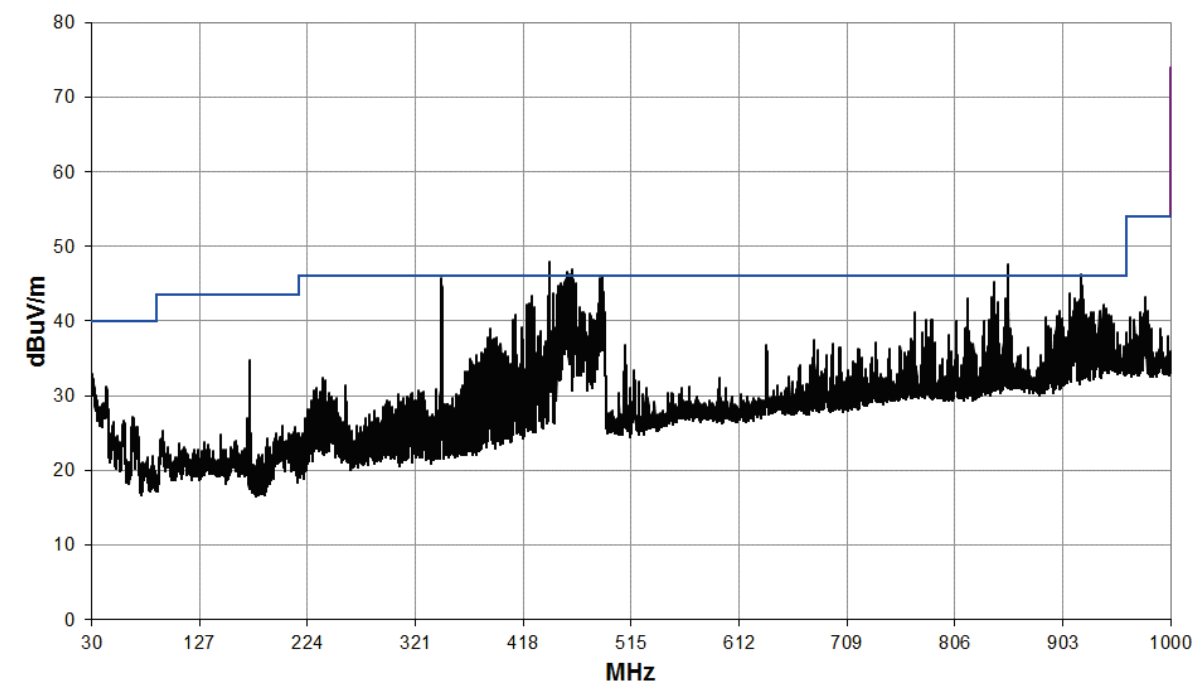
Band Edge



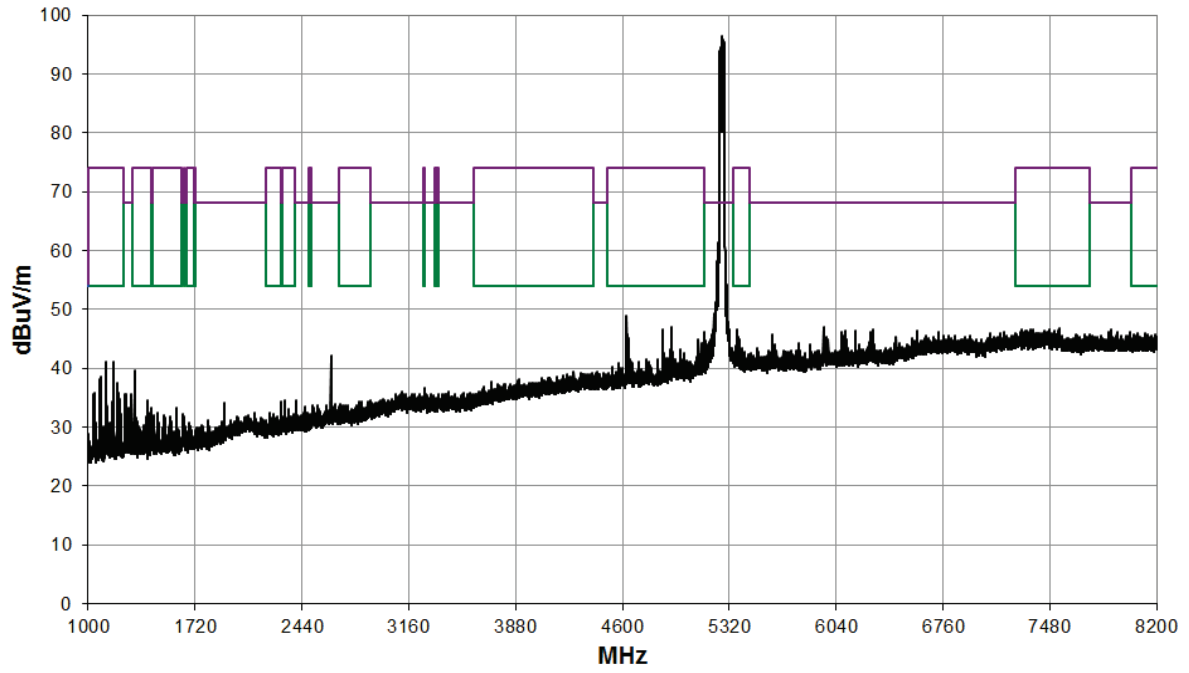
Date: 23.JUN.2020 14:43:14

MIMO; Mode: 802.11ac40; Channel: CH54; Frequency: 5270 MHz; Bandwidth: 40 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBµV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBµV/m)	Distance Extrap'n Factor (dB)	Field Strength (µV/m)	Limit (µV/m)
AV	4625.8	-3.3	5.3	33.0	0.0	0.0	35.0	0.0	56.2	500
PK	4628.8	19.7	5.3	33.0	0.0	0.0	58.0	0.0	794.3	5000
AV	4871.2	-3.5	5.4	33.3	0.0	0.0	35.2	0.0	57.5	500
PK	4872.7	20.4	5.4	33.3	0.0	0.0	59.1	0.0	901.6	5000
PK	4930.3	16.6	5.5	33.3	0.0	0.0	55.4	0.0	588.8	5000
AV	4932.5	-3.3	5.5	33.3	0.0	0.0	35.5	0.0	59.6	500

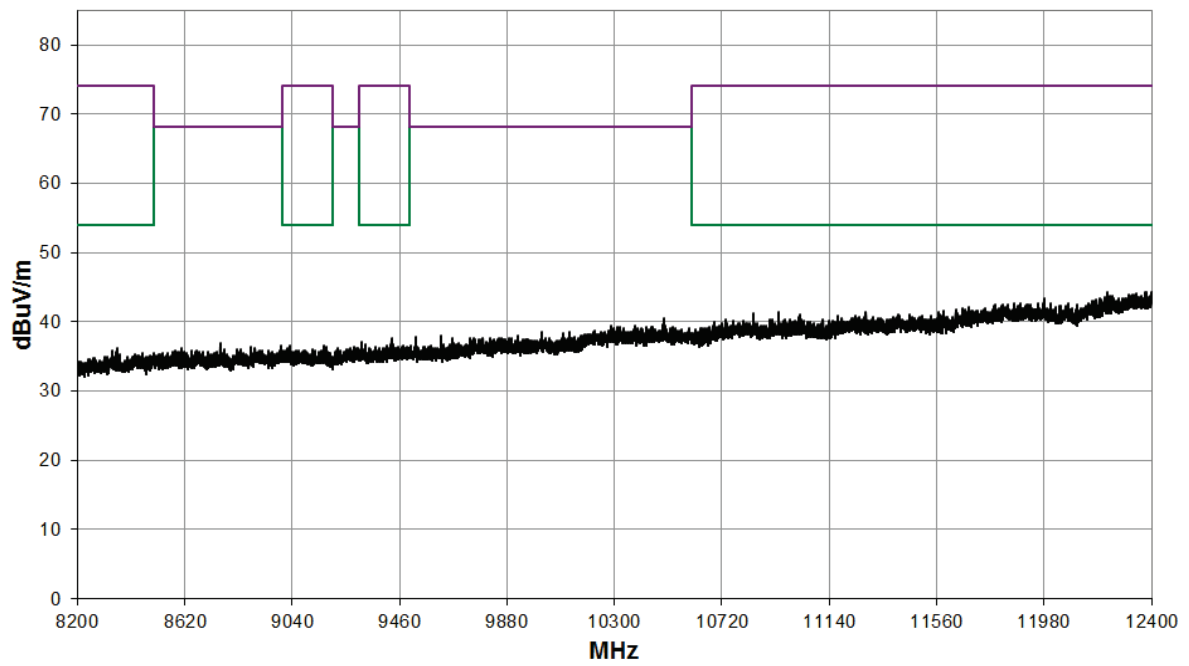
30 MHz to 1 GHz



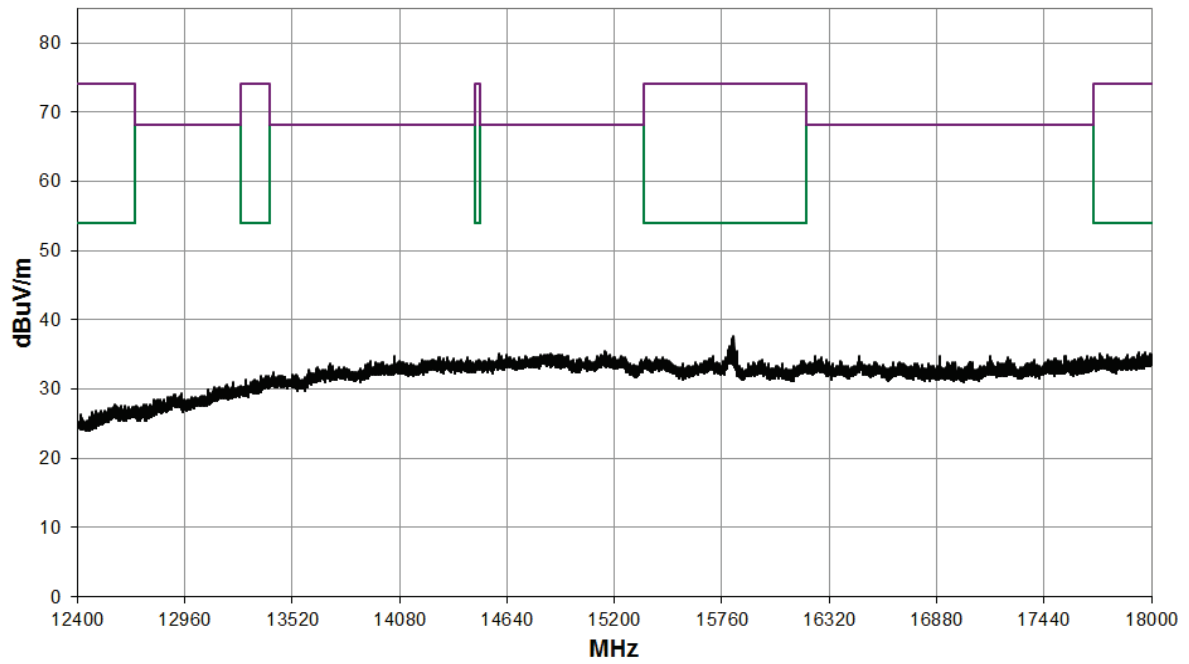
1 GHz to 8.2 GHz



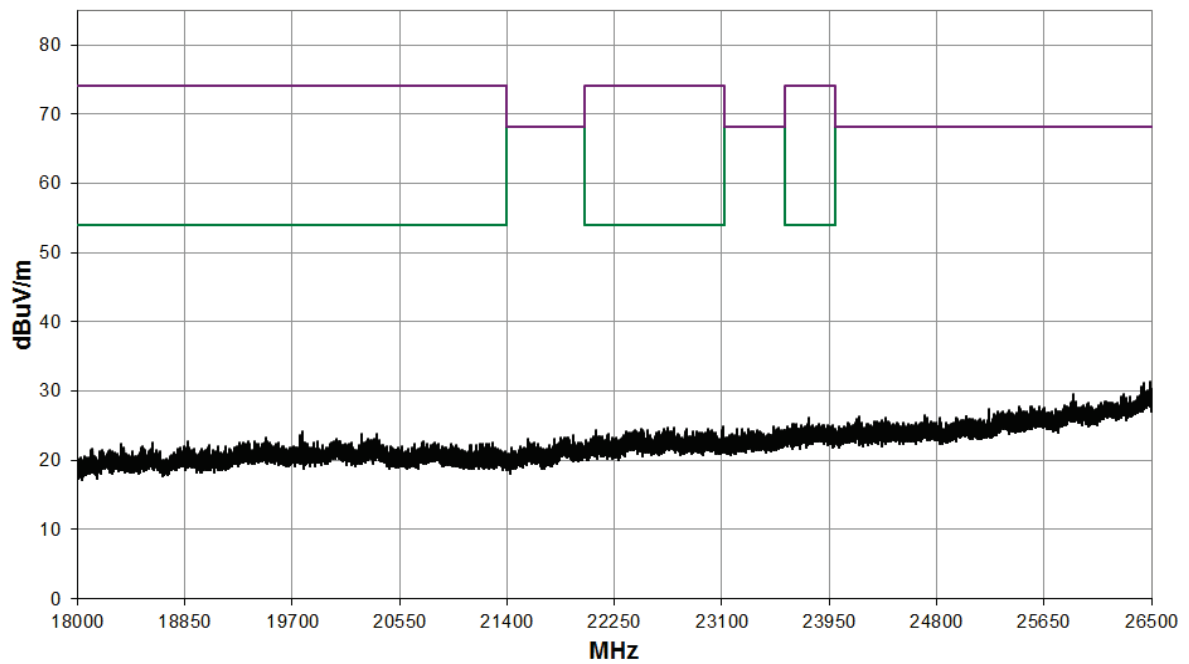
8.2 GHz to 12.4 GHz



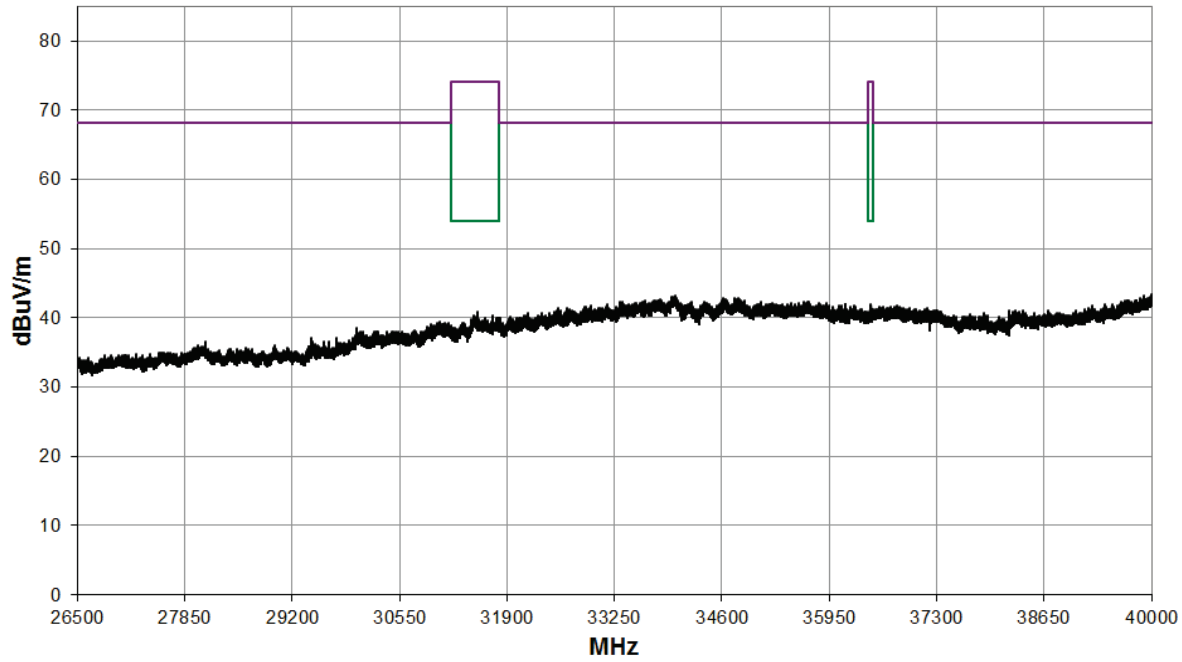
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

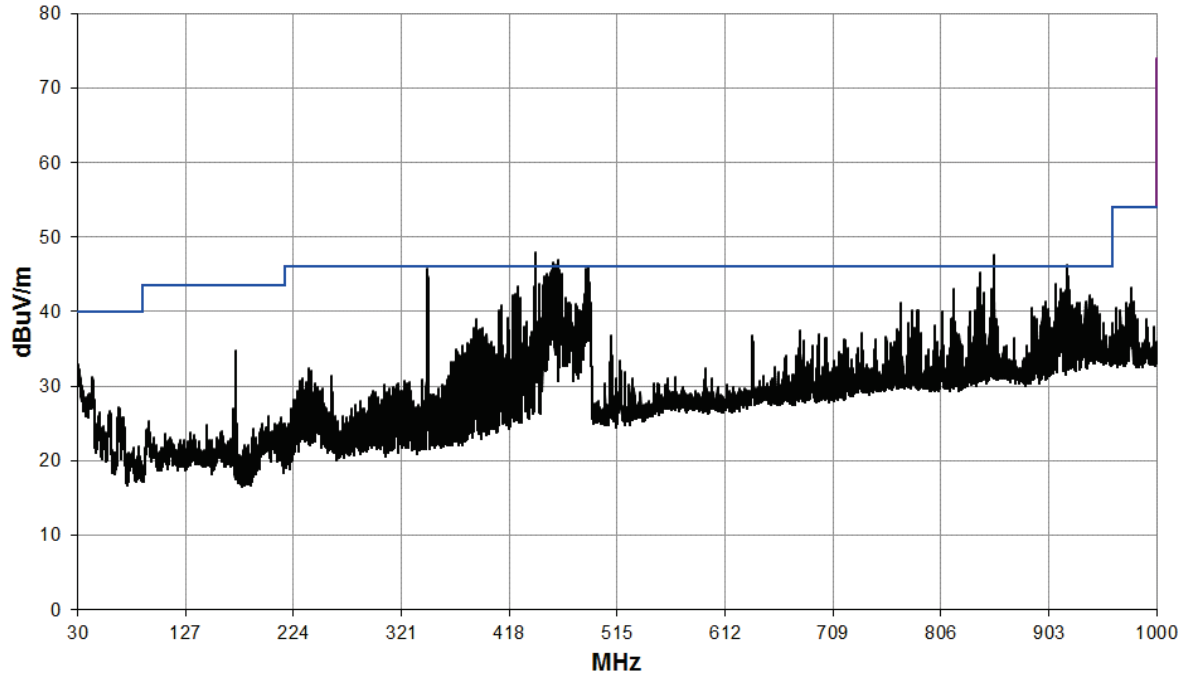


26.5 GHz to 40 GHz

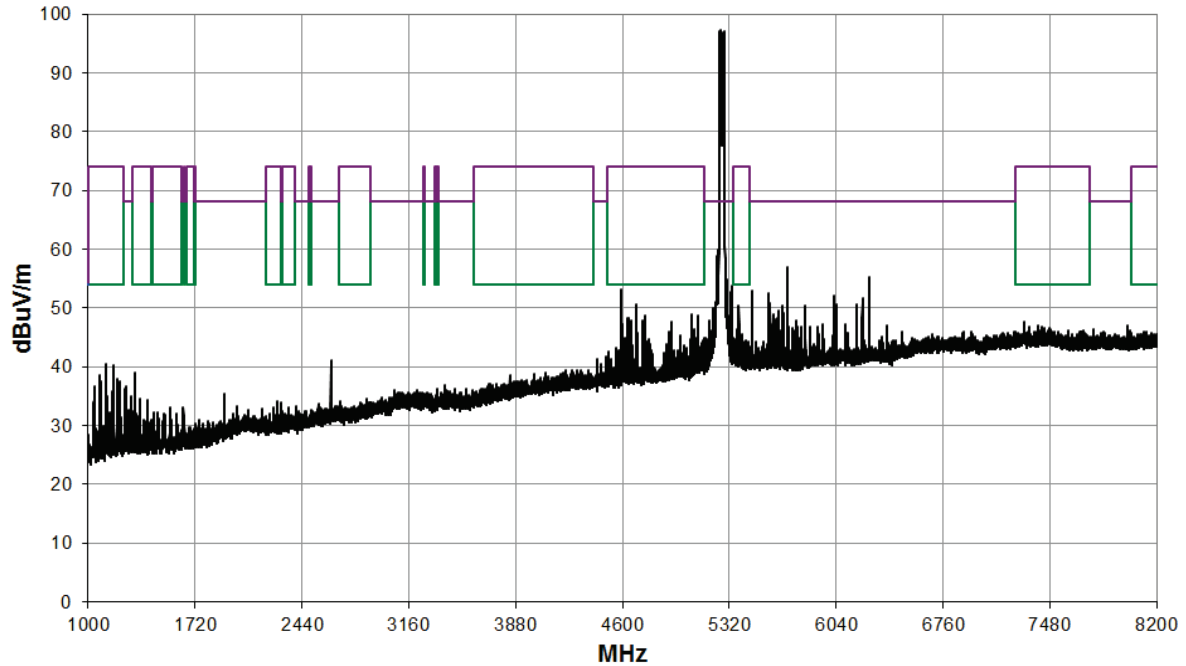


MIMO; Mode: 802.11ac40; Channel: CH54; Frequency: 5270 MHz; Bandwidth: 40 MHz; MCS Index: 9										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	4590.0	-3.8	5.3	32.9	0.0	0.0	34.4	0.0	52.5	500
PK	4590.8	21.4	5.3	32.9	0.0	0.0	59.6	0.0	955.0	5000

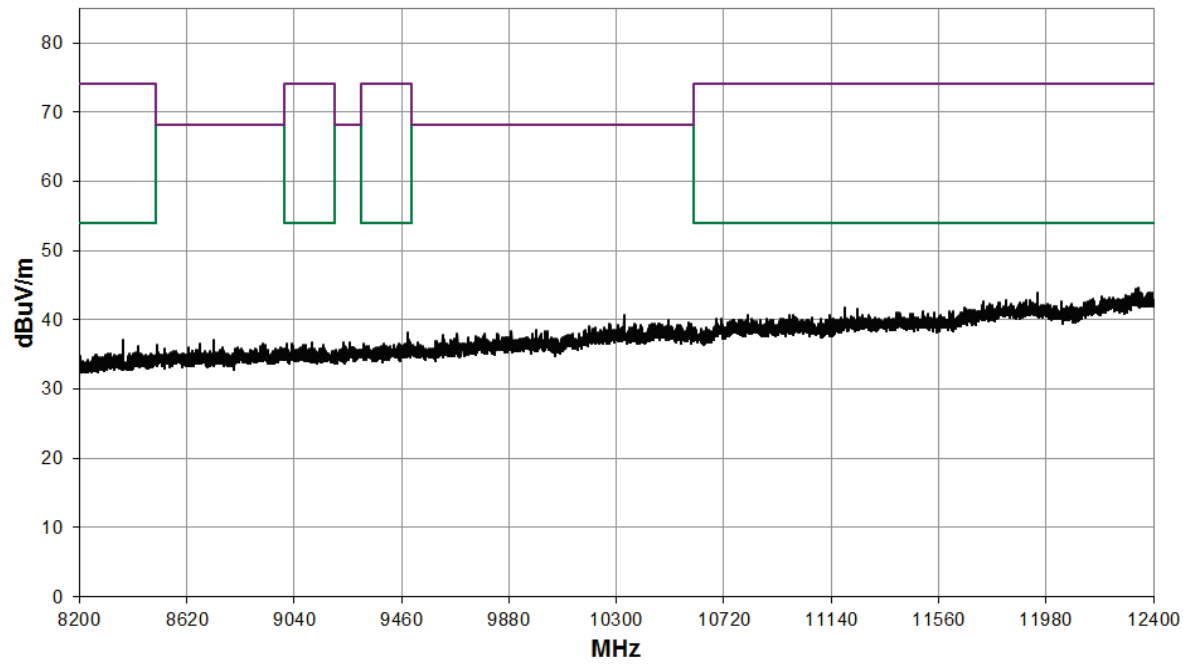
30 MHz to 1 GHz



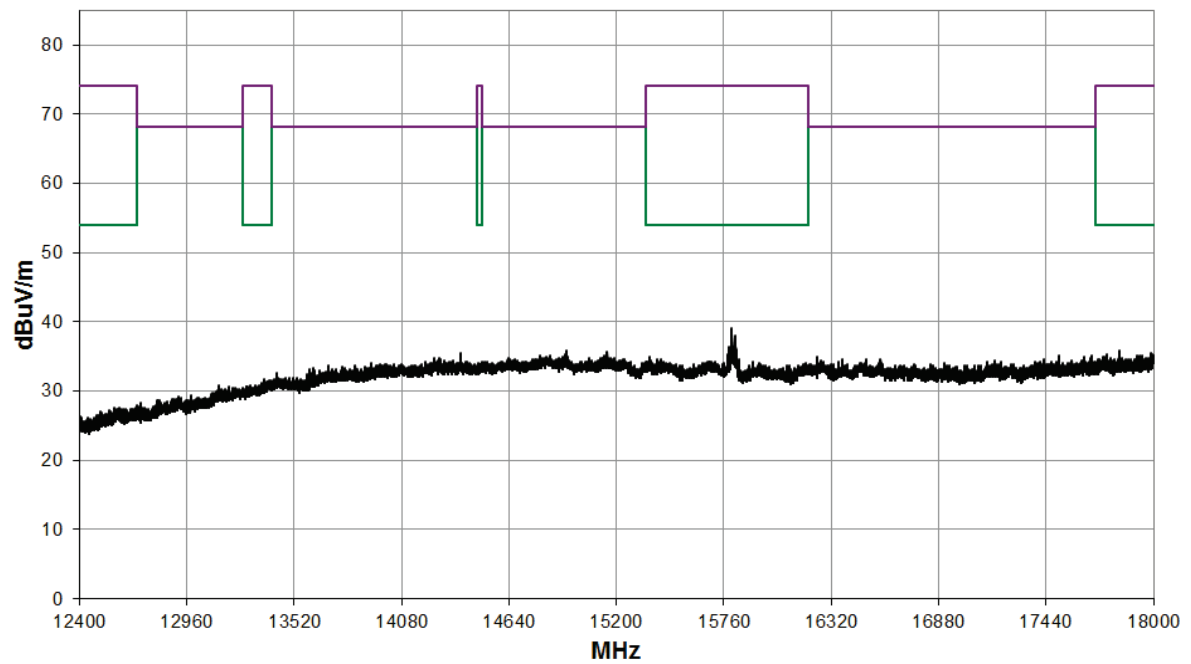
1 GHz to 8.2 GHz



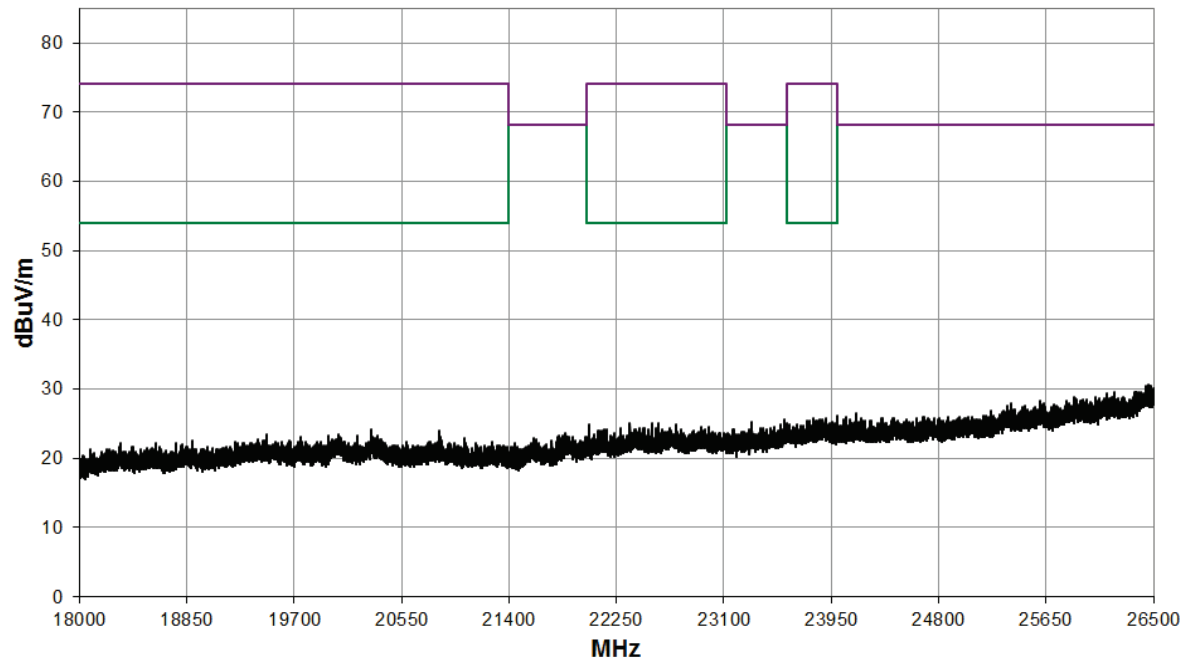
8.2 GHz to 12.4 GHz



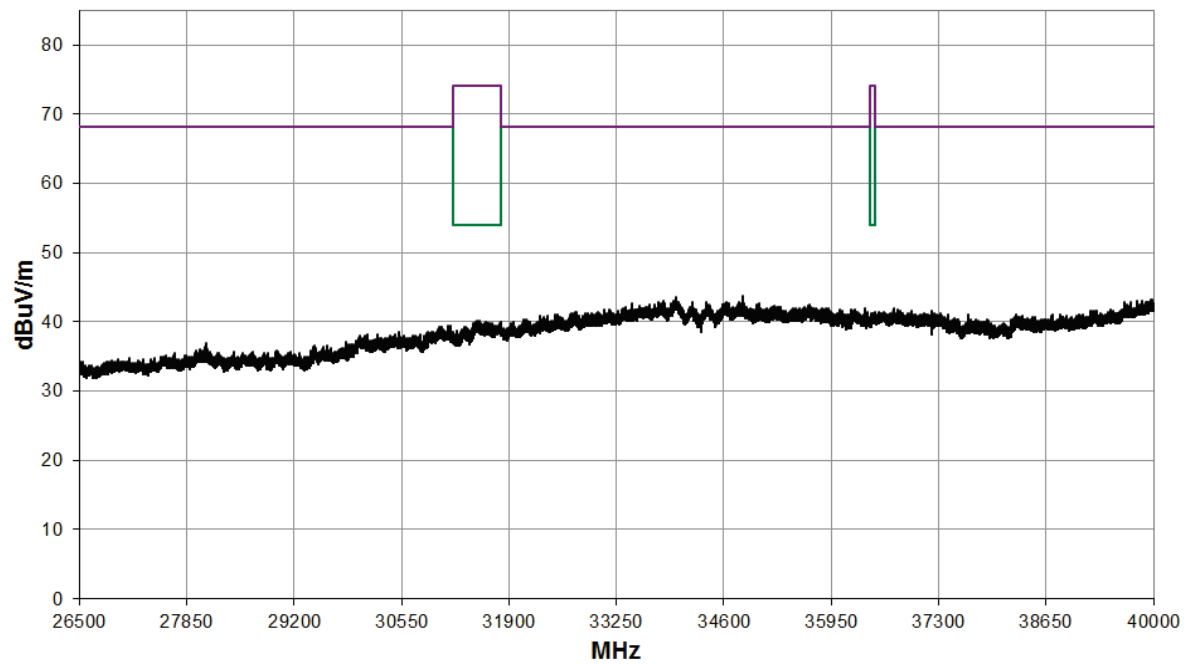
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

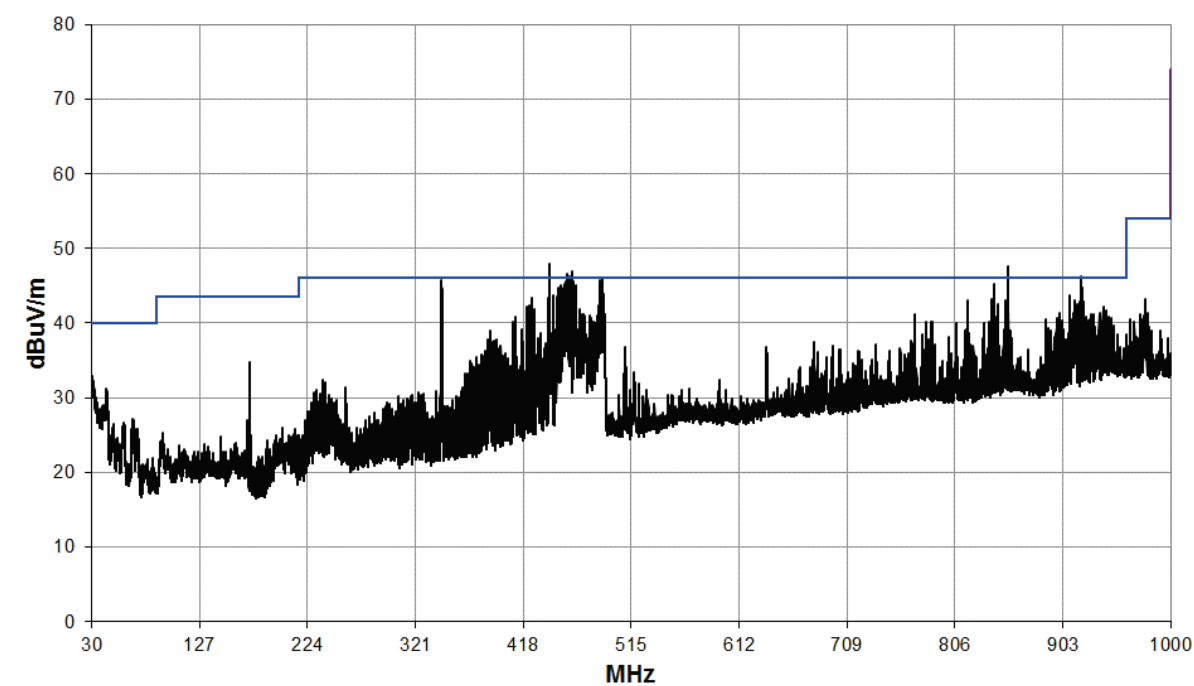


26.5 GHz to 40 GHz

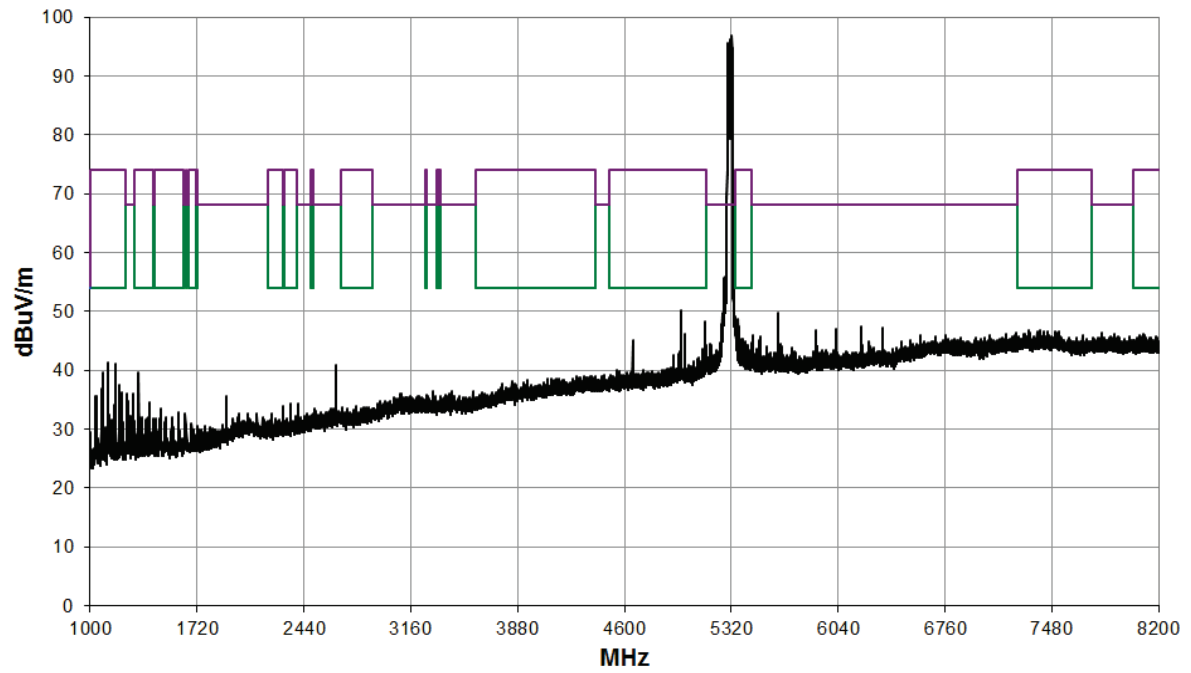


MIMO; Mode: 802.11ac40; Channel: CH62; Frequency: 5310 MHz; Bandwidth: 40 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBµV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBµV/m)	Distance Extrap'n Factor (dB)	Field Strength (µV/m)	Limit (µV/m)
PK	4654.5	17.4	5.3	33.1	0.0	0.0	55.8	0.0	616.6	5000
AV	4980.3	-3.1	5.5	33.3	0.0	0.0	35.7	0.0	61.0	500
PK	4982.9	20.6	5.5	33.3	0.0	0.0	59.4	0.0	933.3	5000
AV	5141.5	-1.5	5.6	33.7	0.0	0.0	37.8	0.0	77.6	500
PK	5142.2	17.1	5.6	33.7	0.0	0.0	56.4	0.0	660.7	5000
AV	15934.5	36.5	11.1	32.2	34.7	0.0	35.5	-9.5	59.6	500

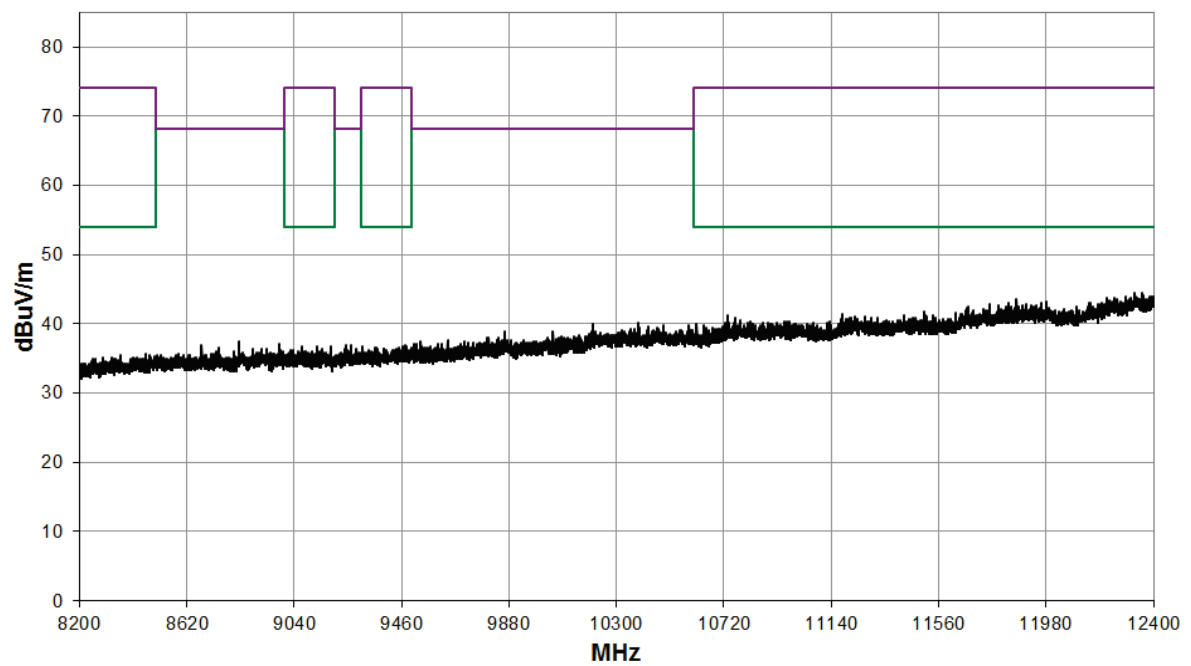
30 MHz to 1 GHz



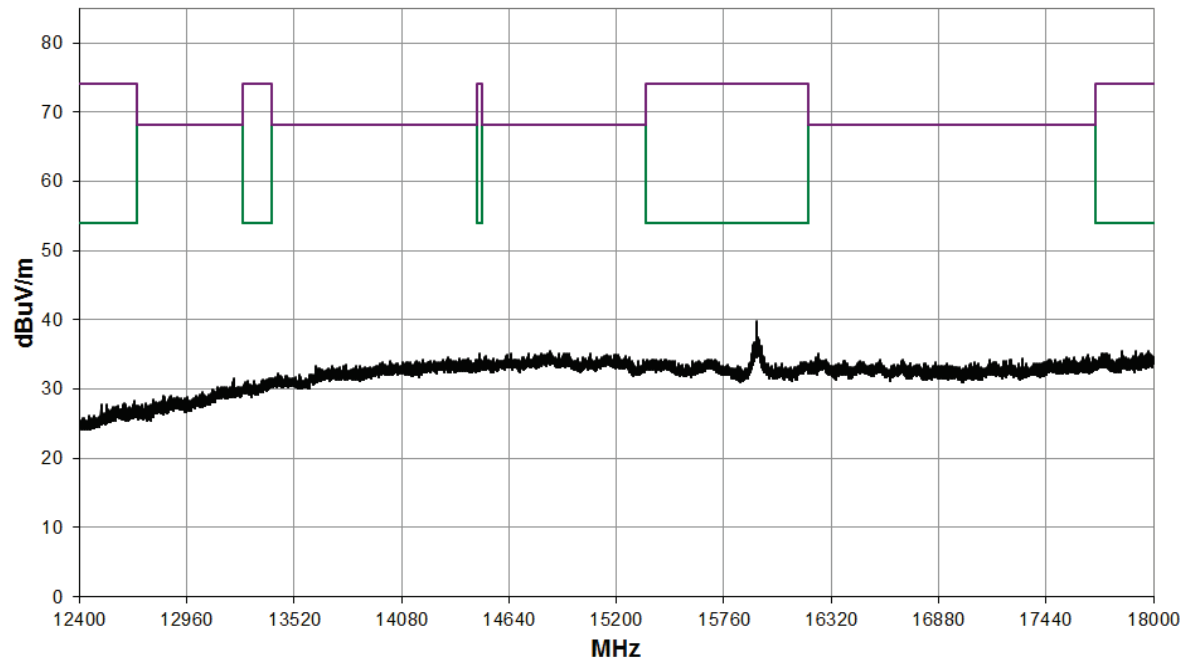
1 GHz to 8.2 GHz



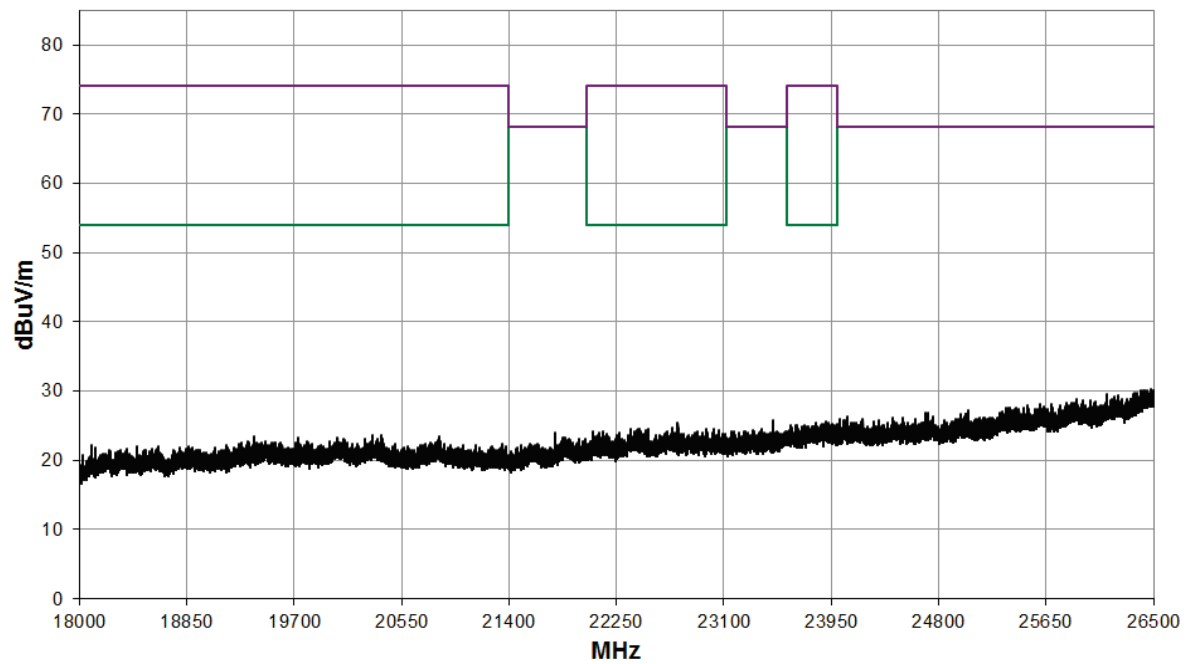
8.2 GHz to 12.4 GHz



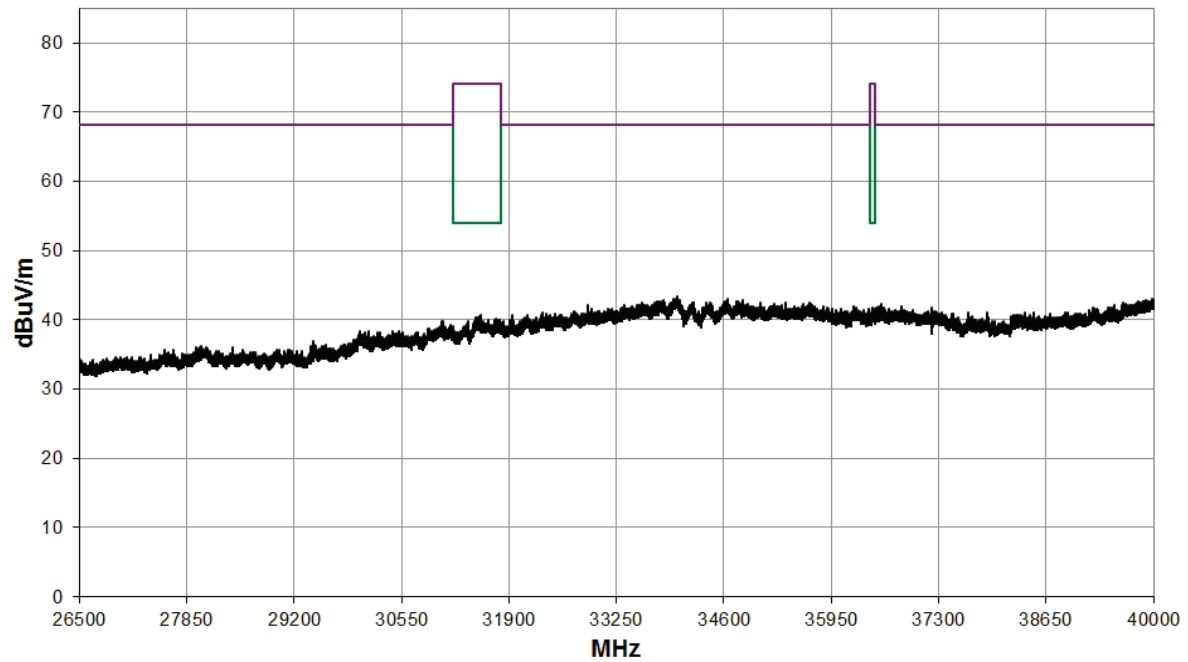
12.4 GHz to 18 GHz



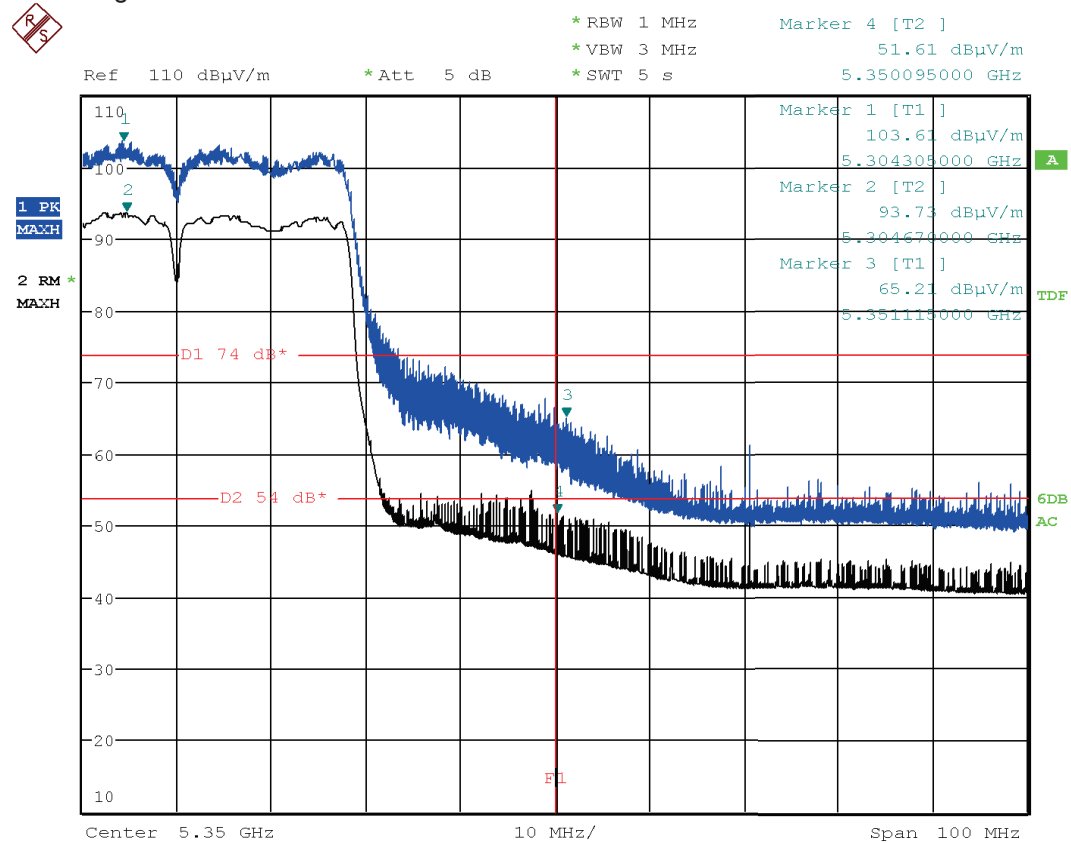
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



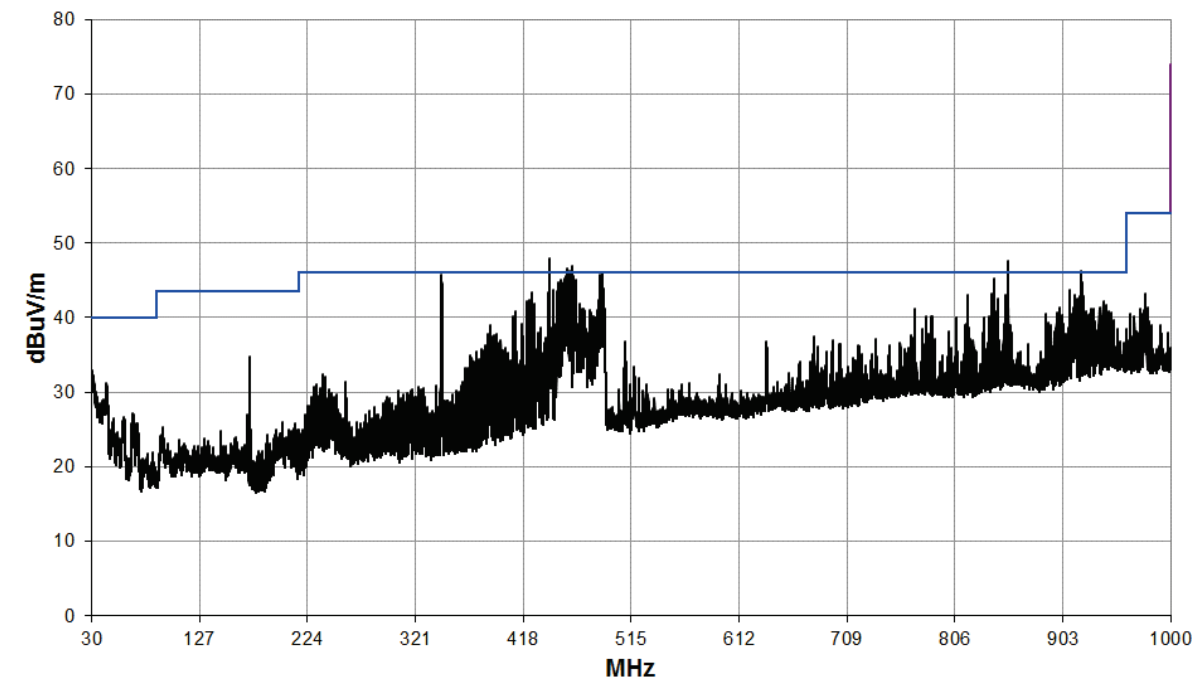
Band Edge



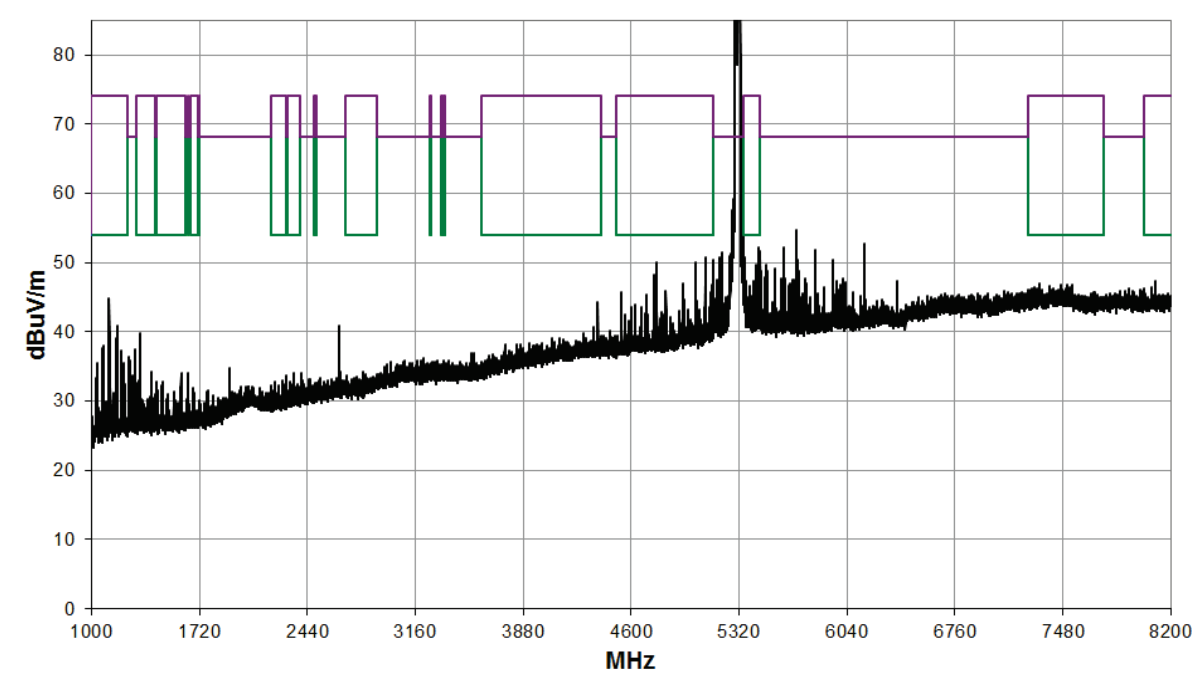
Date: 23.JUN.2020 13:39:37

MIMO; Mode: 802.11ac40; Channel: CH62; Frequency: 5310 MHz; Bandwidth: 40 MHz; MCS Index: 9										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	4530.0	17.8	5.2	32.7	0.0	0.0	55.7	0.0	609.5	5000
PK	4752.7	20.5	5.4	33.4	0.0	0.0	59.3	0.0	922.6	5000
PK	5706.5	15.0	6.0	35.1	0.0	0.0	56.1	0.0	638.3	2500
PK	6157.0	15.3	6.3	36.2	0.0	0.0	57.8	0.0	776.2	2500
AV	15942.7	37.7	11.1	32.2	34.7	0.0	36.8	-9.5	69.2	500

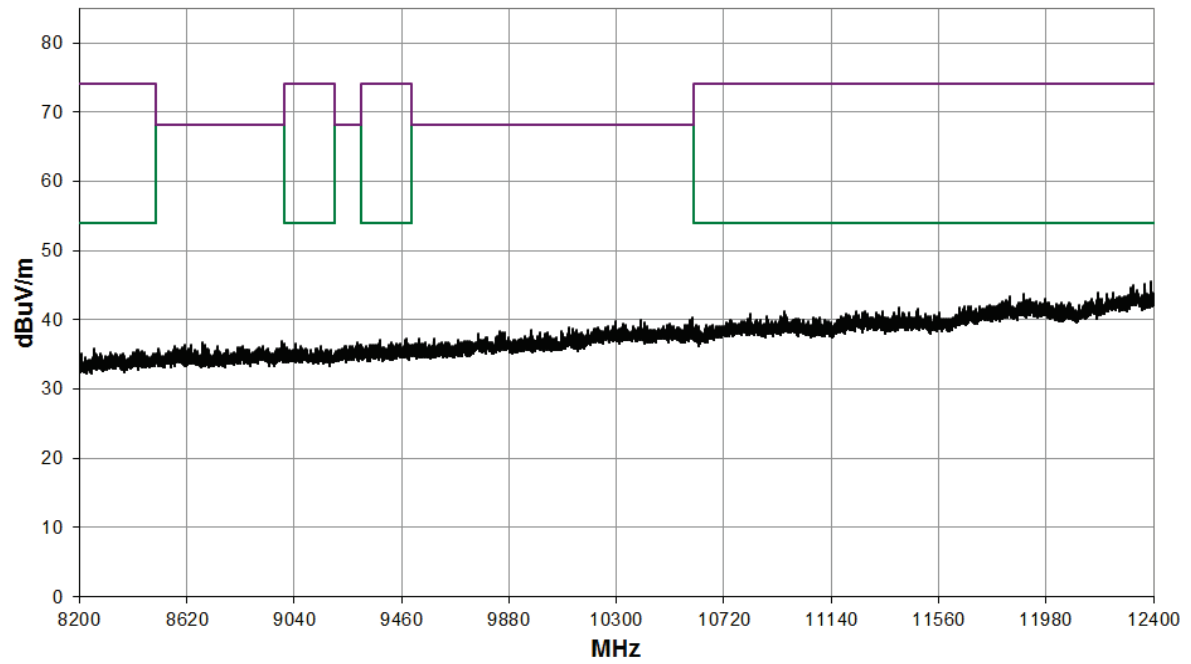
30 MHz to 1 GHz



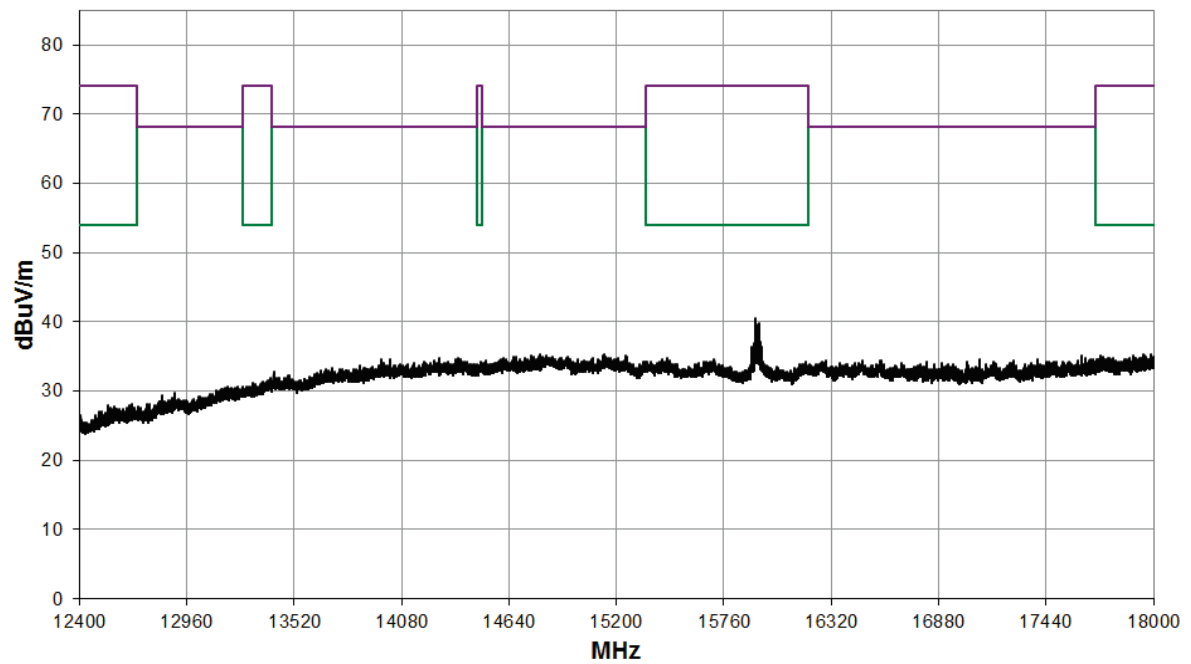
1 GHz to 8.2 GHz



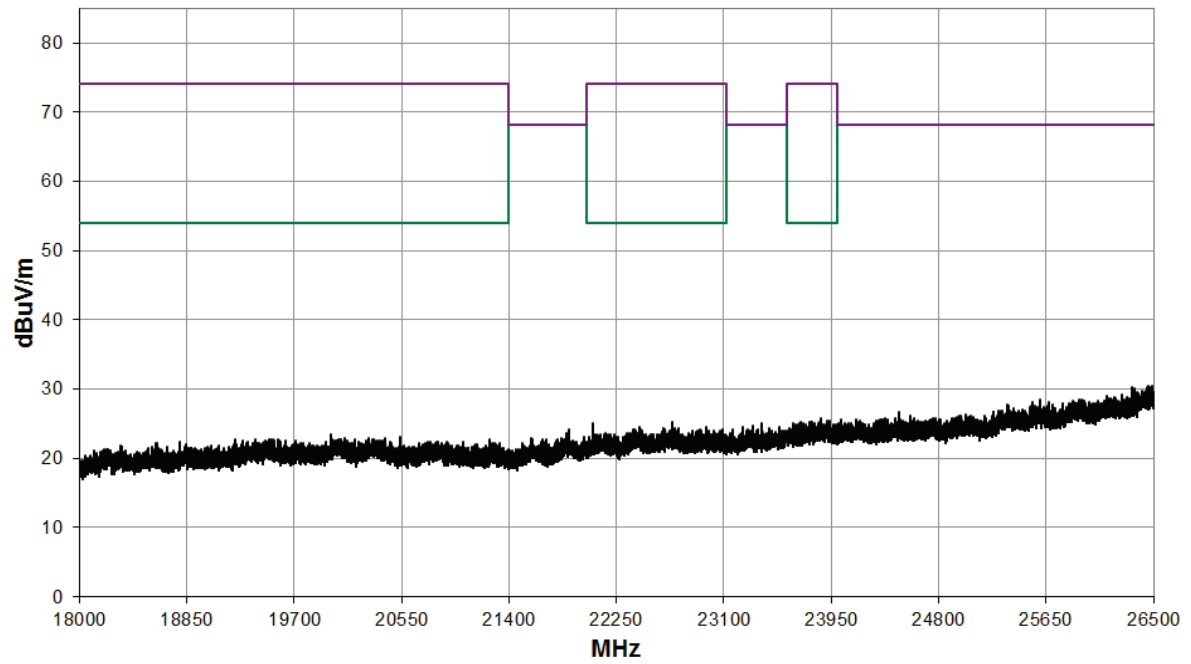
8.2 GHz to 12.4 GHz



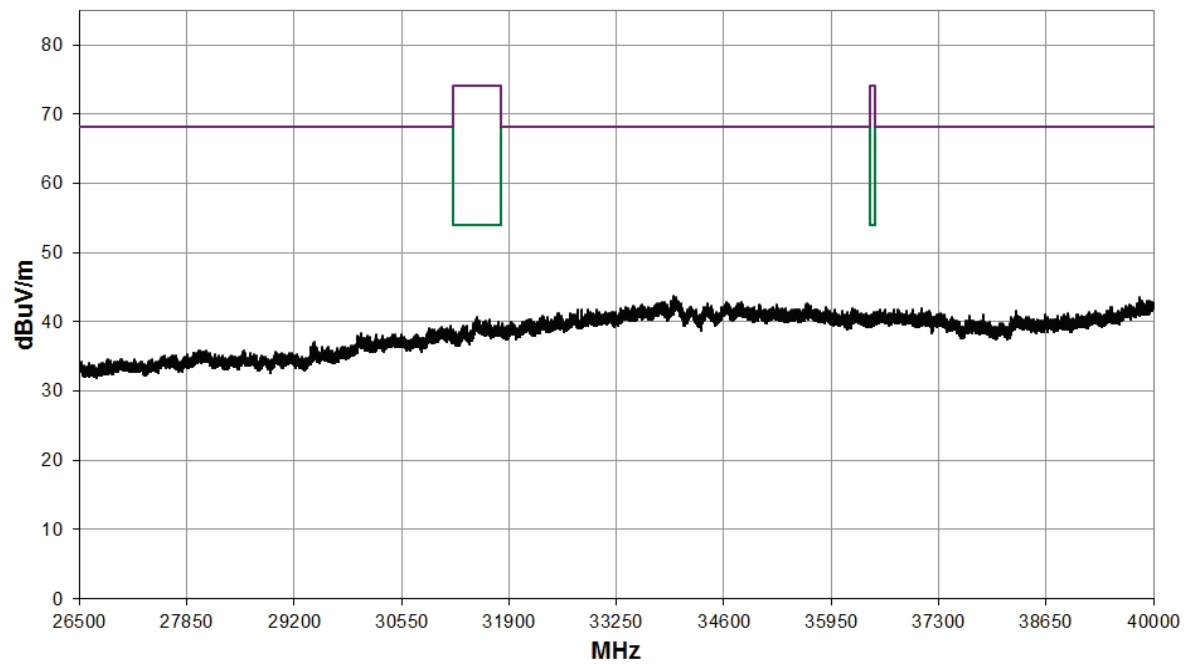
12.4 GHz to 18 GHz



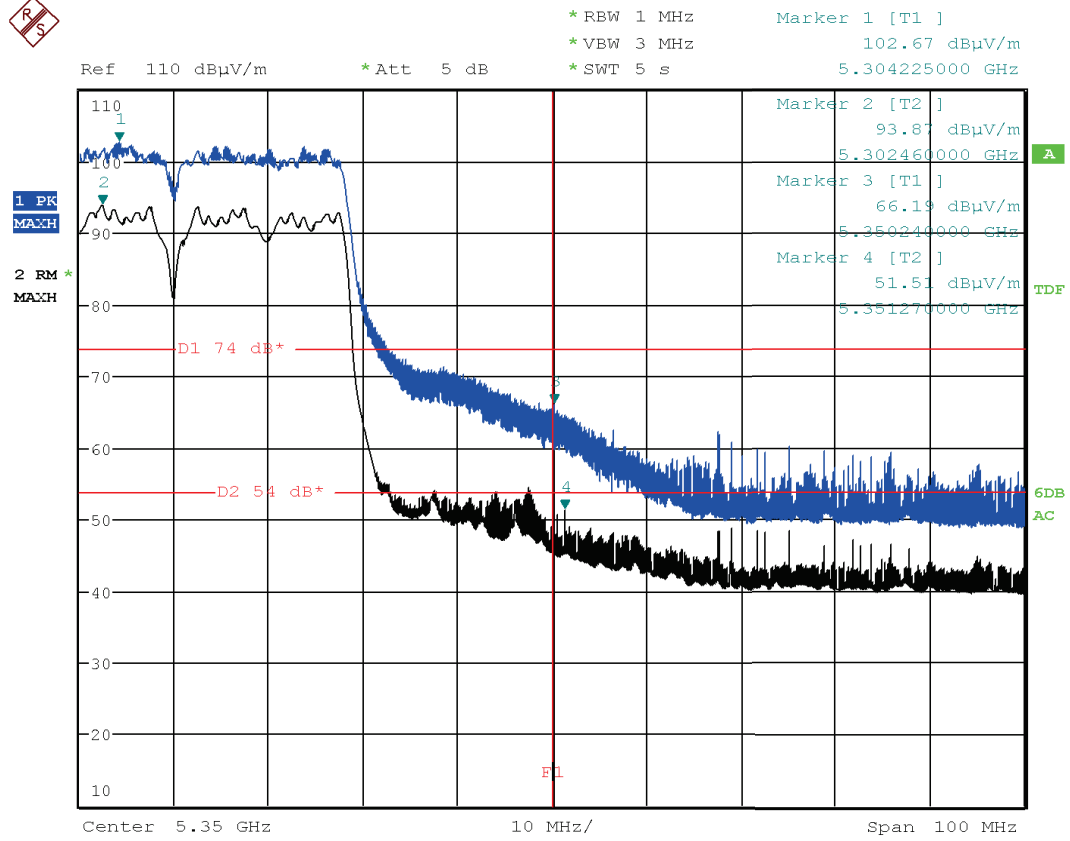
18 GHz to 26.5 GHz



26.5 GHz to 40 GHz



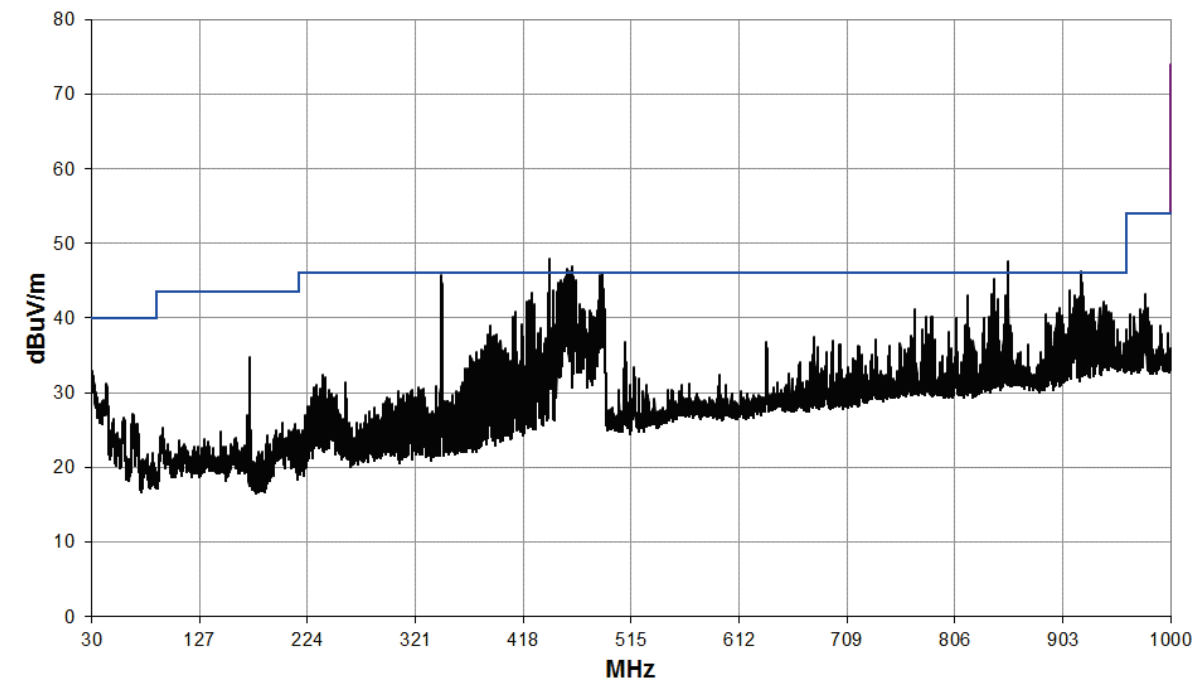
Band Edge



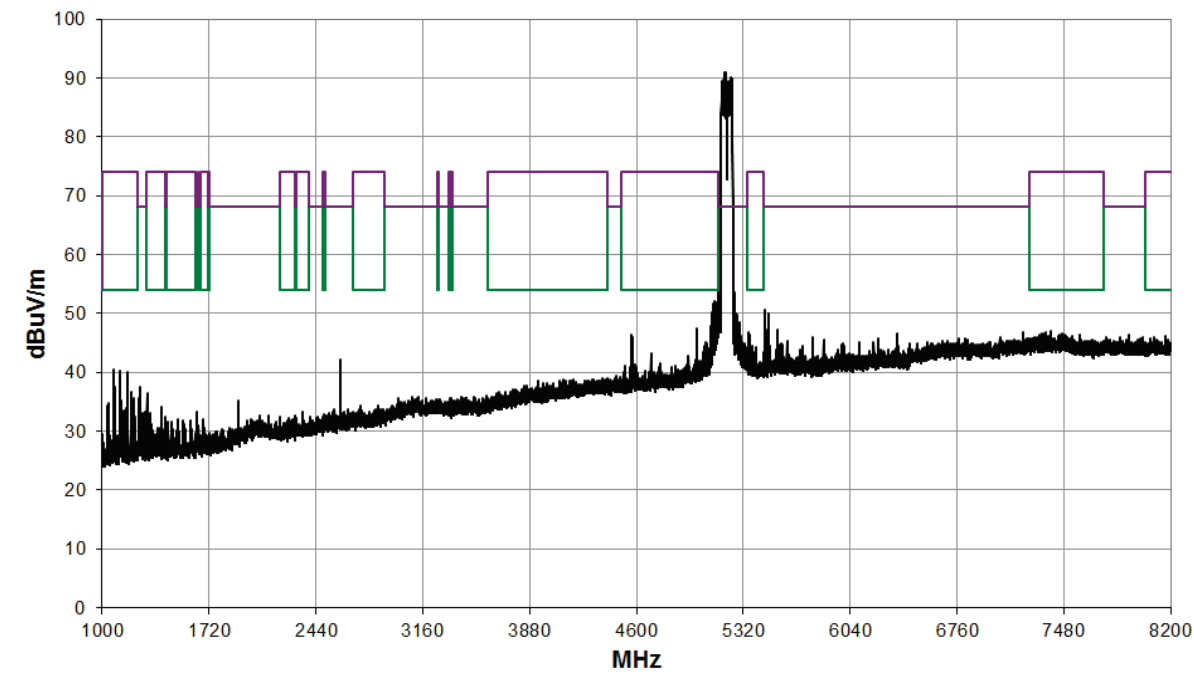
Date: 23.JUN.2020 13:41:57

MIMO; Mode: 802.11ac80; Channel: CH42; Frequency: 5210 MHz; Bandwidth: 80 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	5007.7	20.2	5.5	33.3	0.0	0.0	59.0	0.0	891.3	5000
AV	5008.0	-2.6	5.5	33.3	0.0	0.0	36.2	0.0	64.6	500
AV	15682.6	38.9	11.0	32.0	34.5	0.0	37.9	-9.5	78.5	500

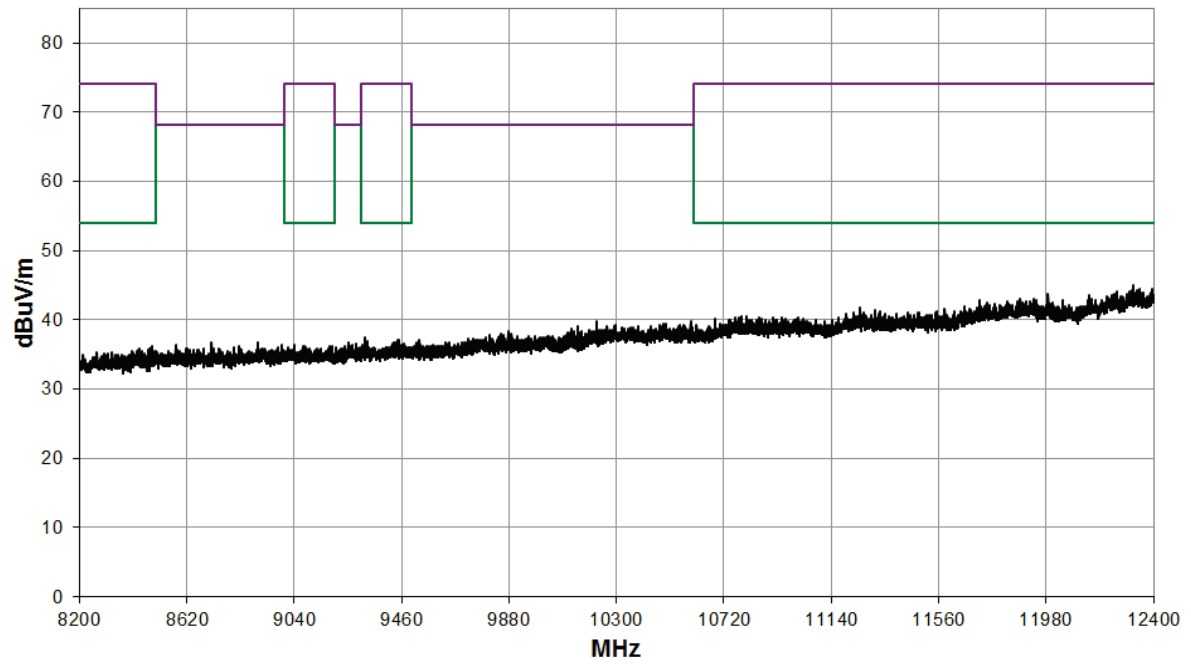
30 MHz to 1 GHz



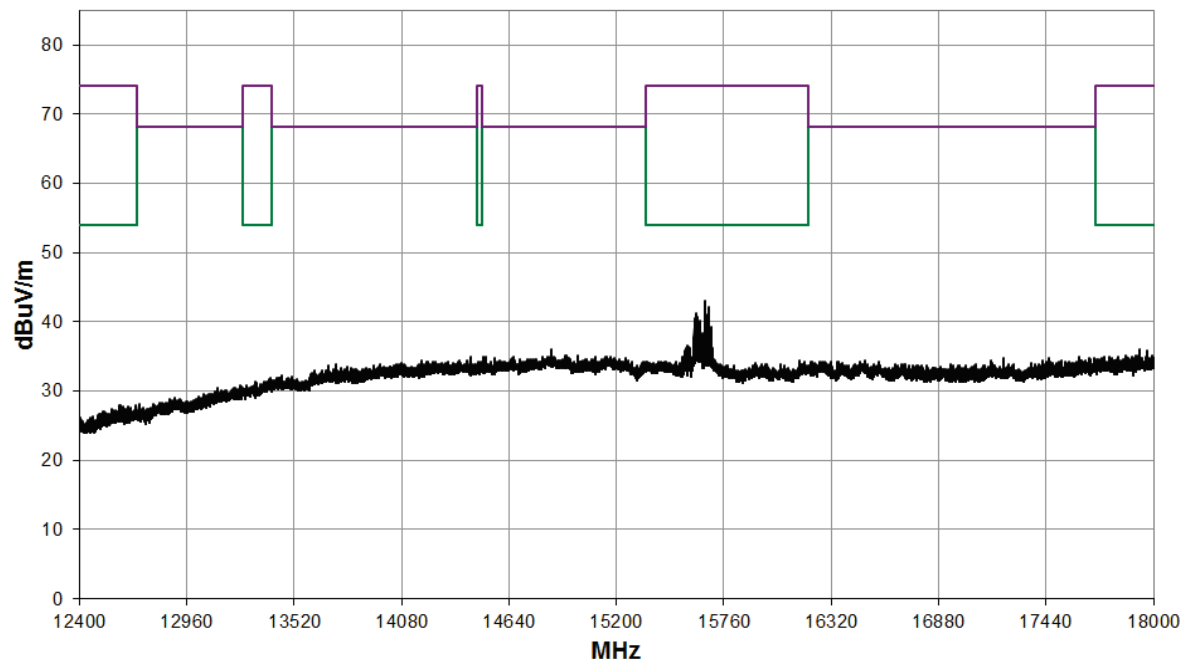
1 GHz to 8.2 GHz



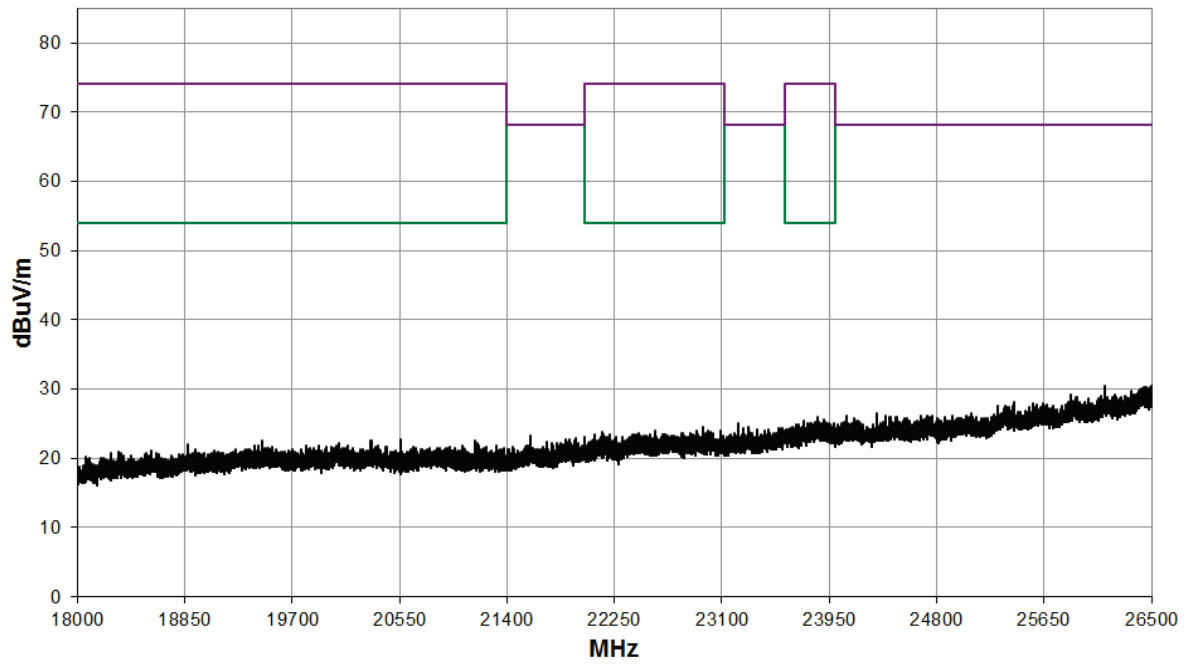
8.2 GHz to 12.4 GHz



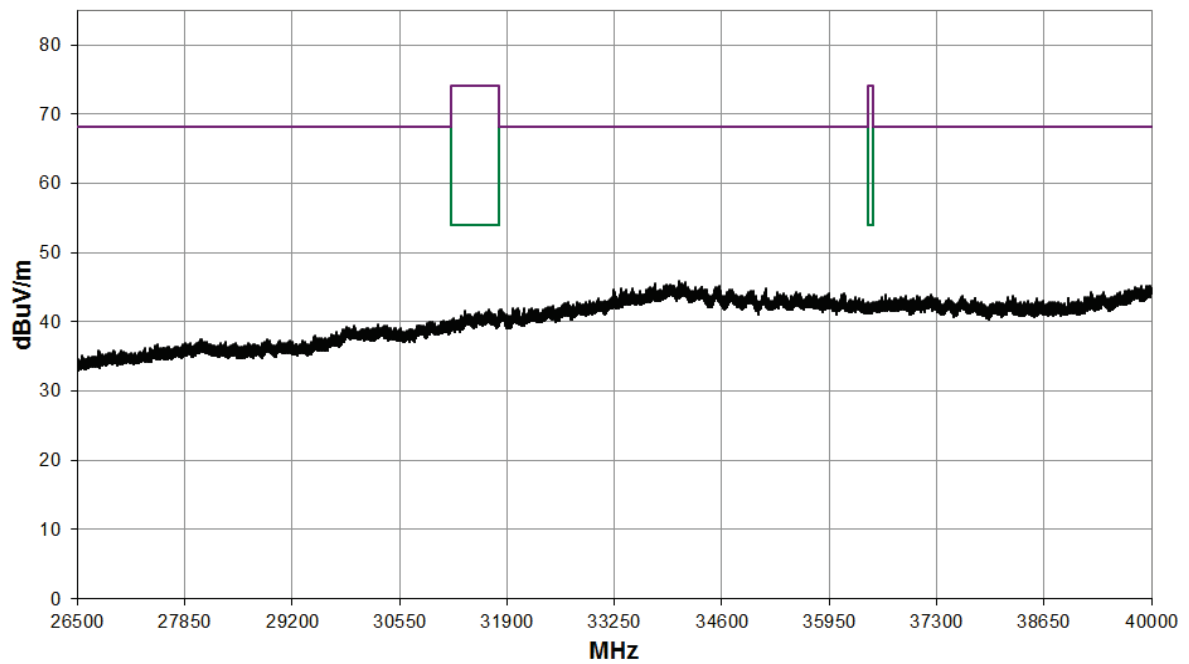
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

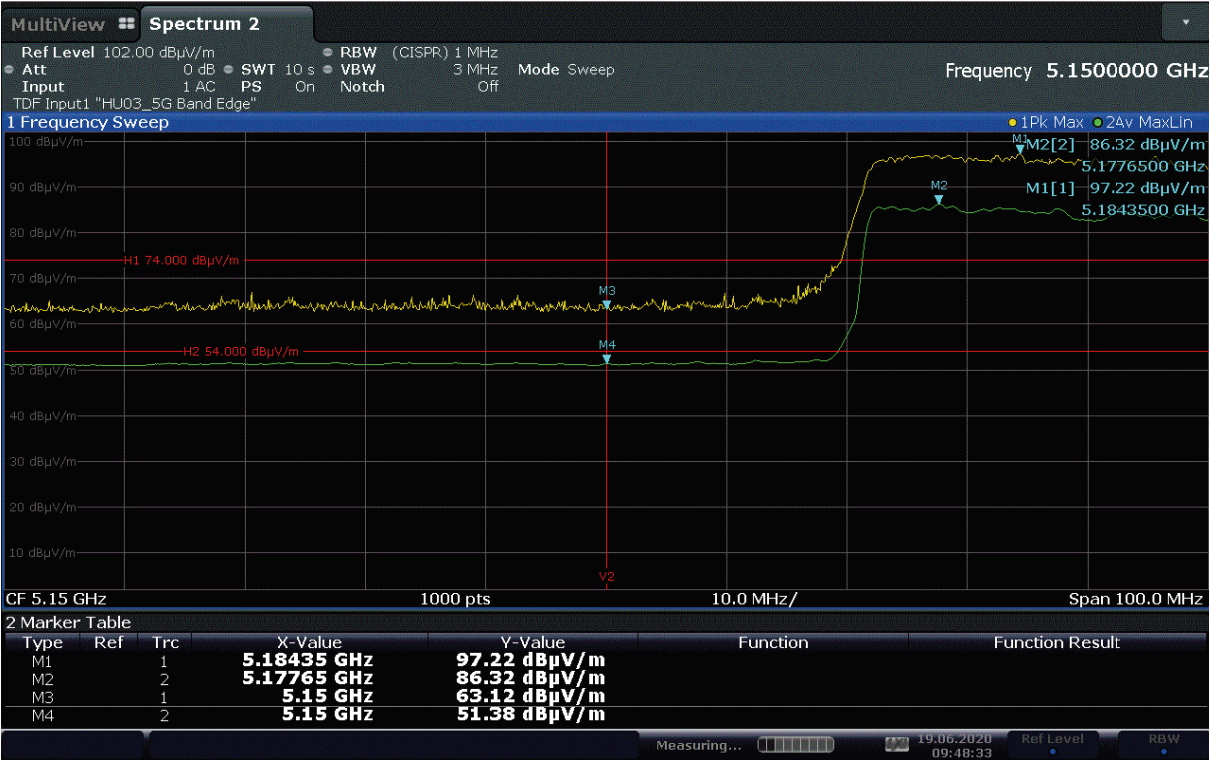


26.5 GHz to 40 GHz



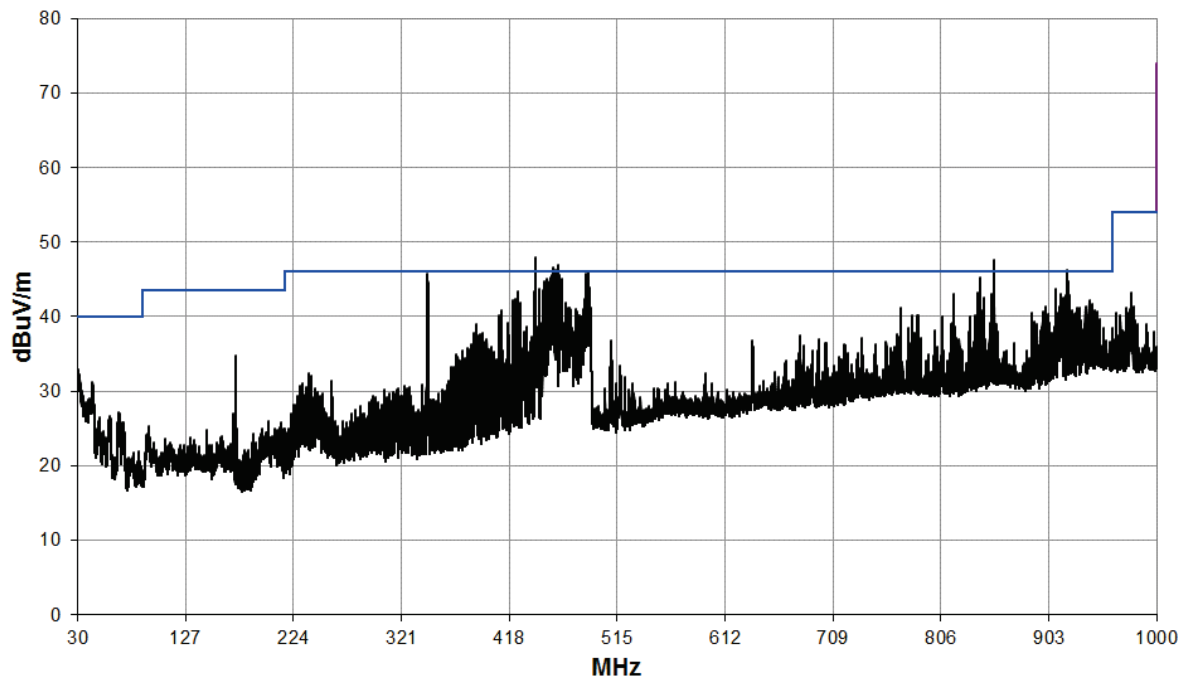
Band Edge

Element

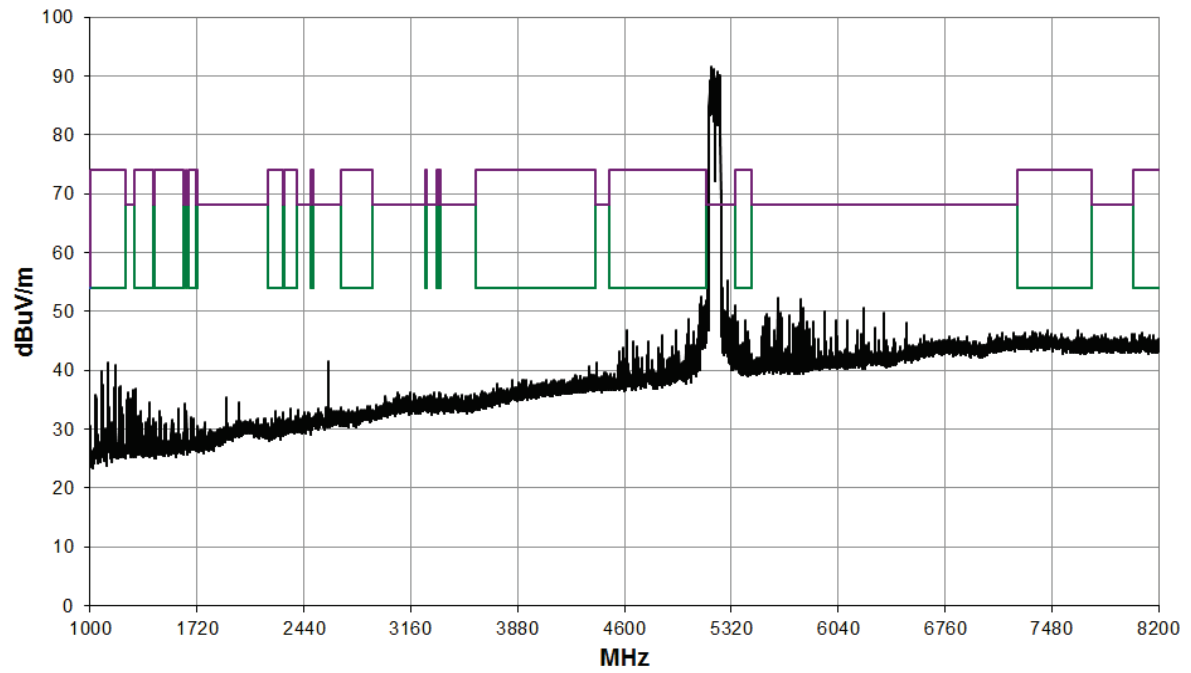


MIMO; Mode: 802.11ac80; Channel: CH42; Frequency: 5210 MHz; Bandwidth: 80 MHz; MCS Index: 9										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
AV	4615.0	-4.1	5.3	33.0	0.0	0.0	34.2	0.0	51.3	500
PK	4617.7	20.0	5.3	33.0	0.0	0.0	58.3	0.0	822.2	5000
AV	5062.6	-0.6	5.6	33.4	0.0	0.0	38.5	0.0	84.1	500
PK	5062.8	18.7	5.6	33.4	0.0	0.0	57.5	0.0	749.9	5000
PK	5636.9	17.9	6.0	35.0	0.0	0.0	58.9	0.0	881.0	2500
PK	5804.2	17.2	6.0	35.3	0.0	0.0	58.5	0.0	841.4	2500
PK	6207.0	19.2	6.3	36.2	0.0	0.0	61.7	0.0	1216.2	2500
AV	15677.5	36.9	11.0	32.0	0.0	0.0	35.9	0.0	62.4	500

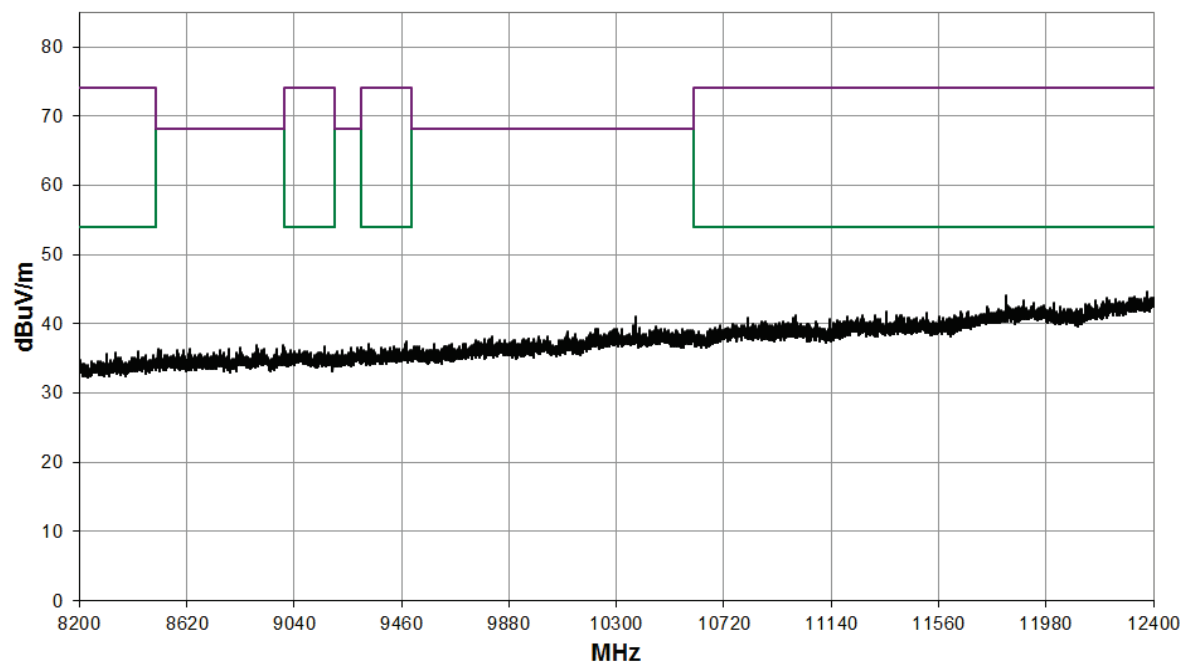
30 MHz to 1 GHz



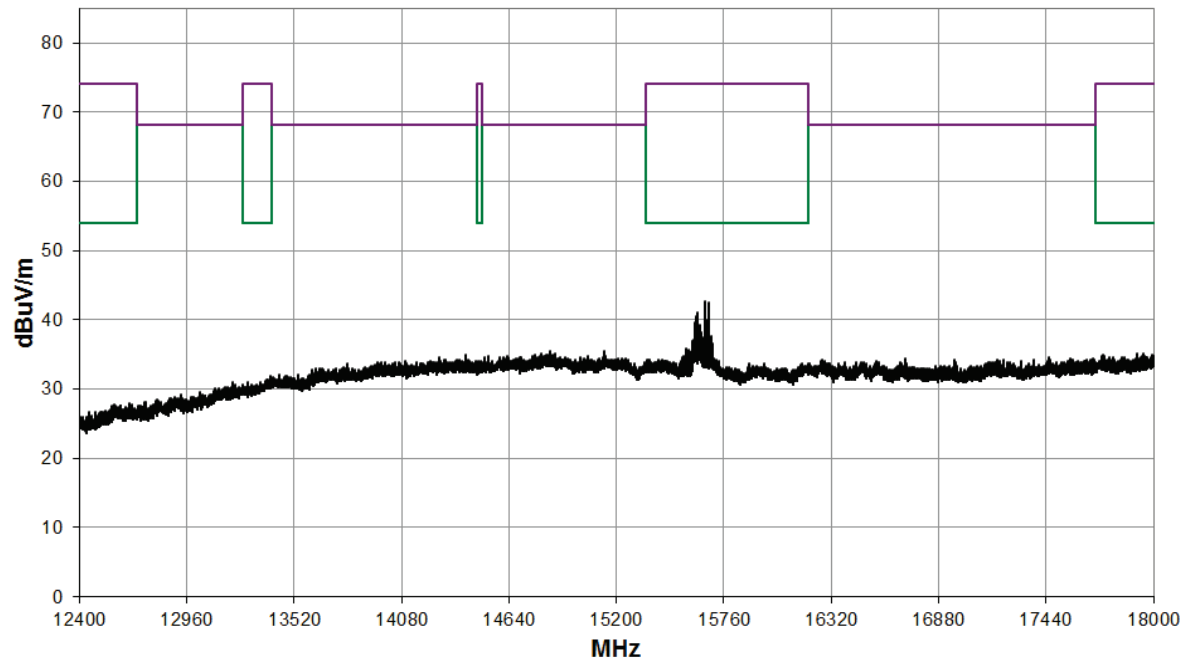
1 GHz to 8.2 GHz



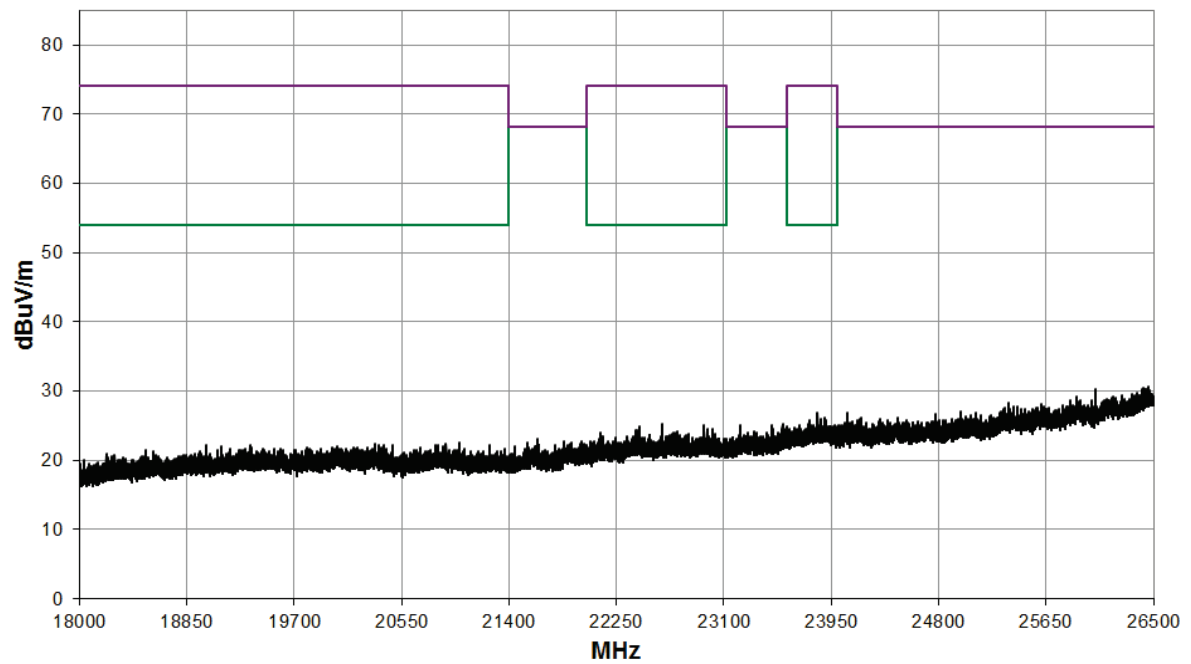
8.2 GHz to 12.4 GHz



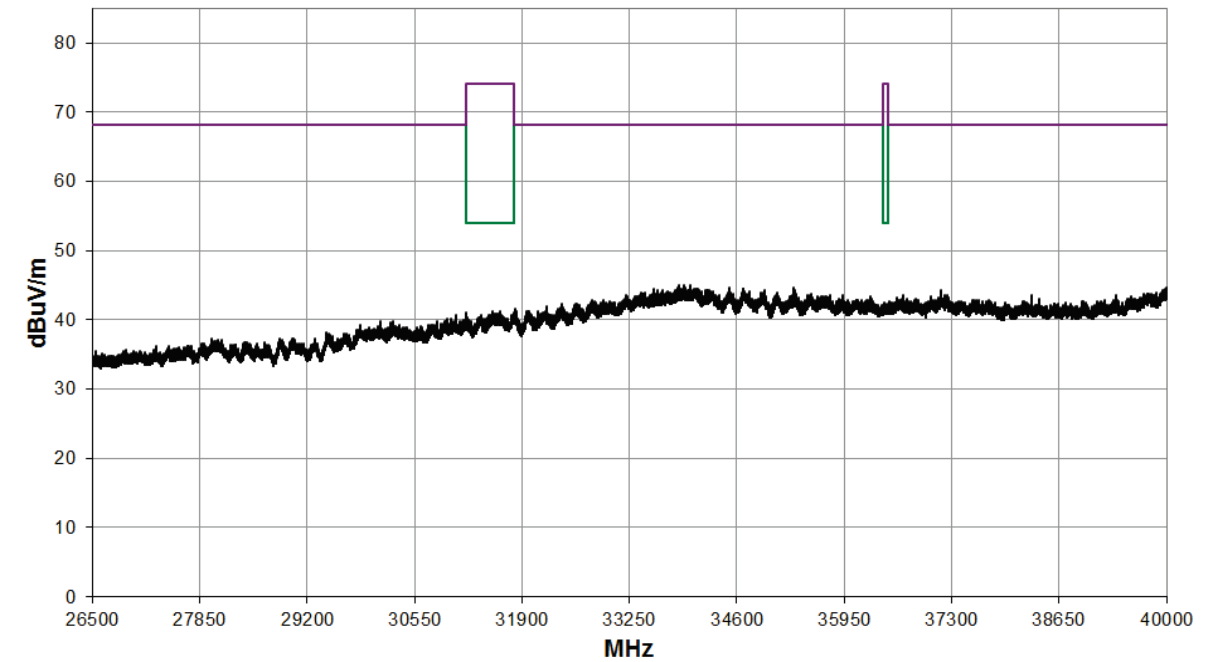
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

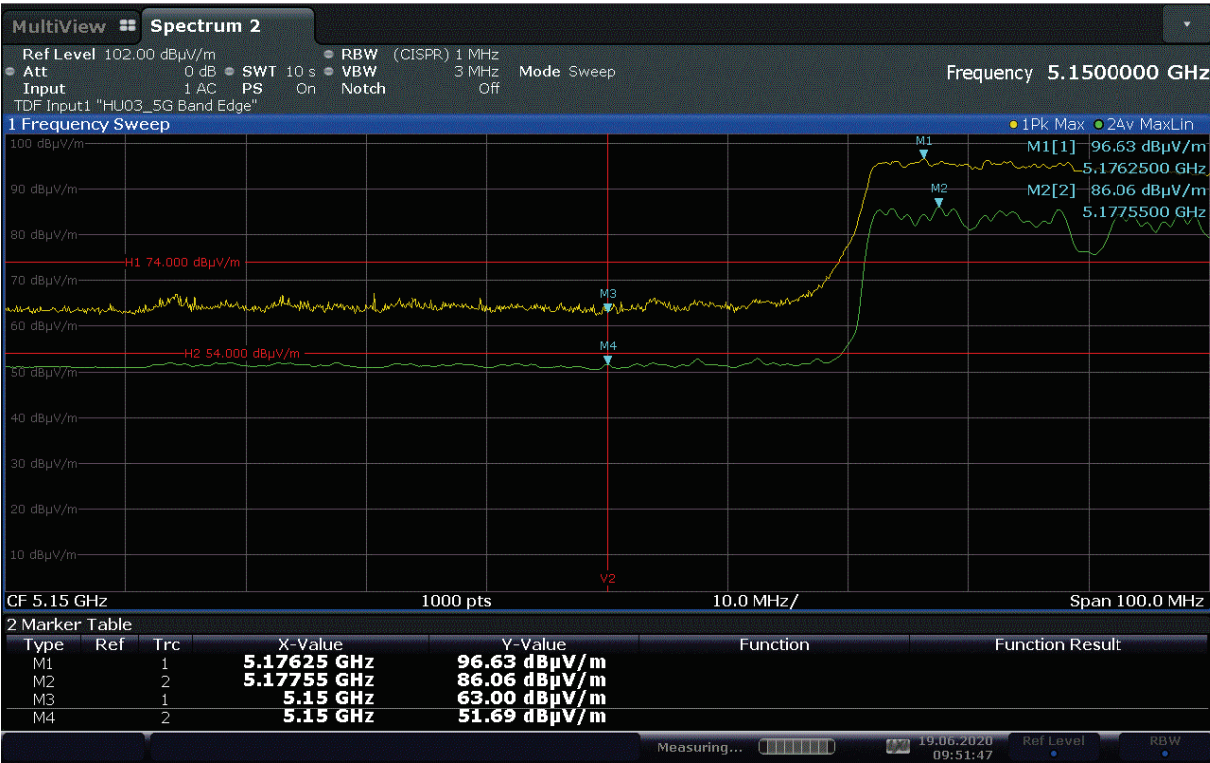


26.5 GHz to 40 GHz



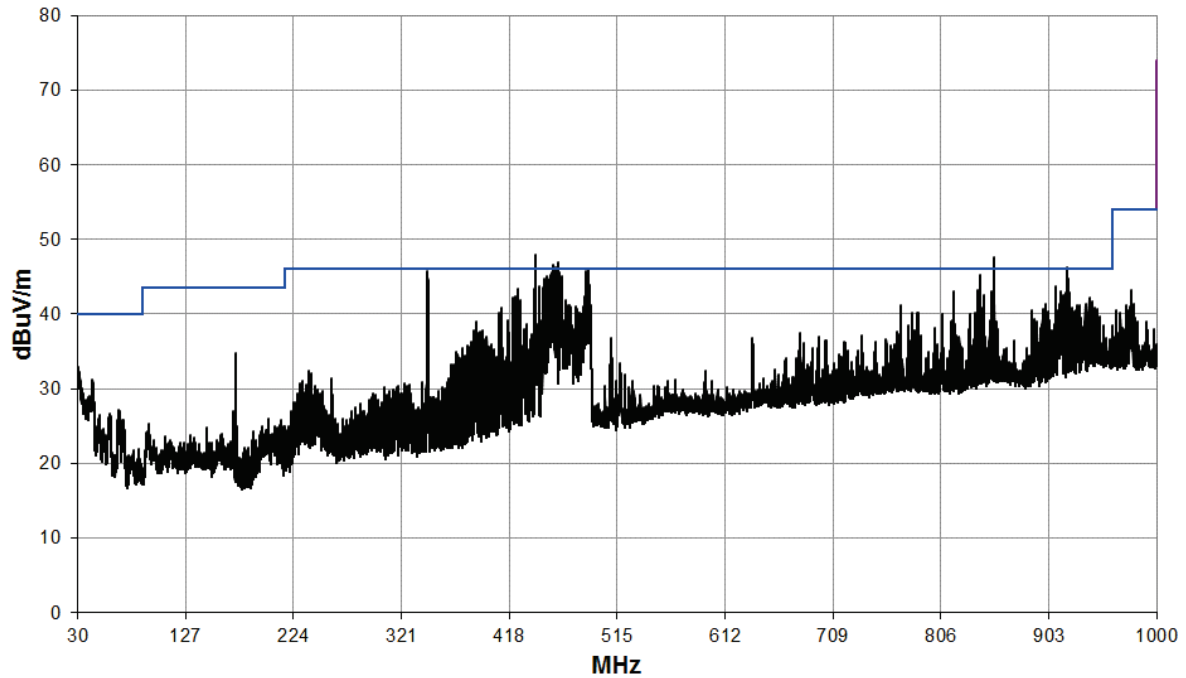
Band Edge

Element

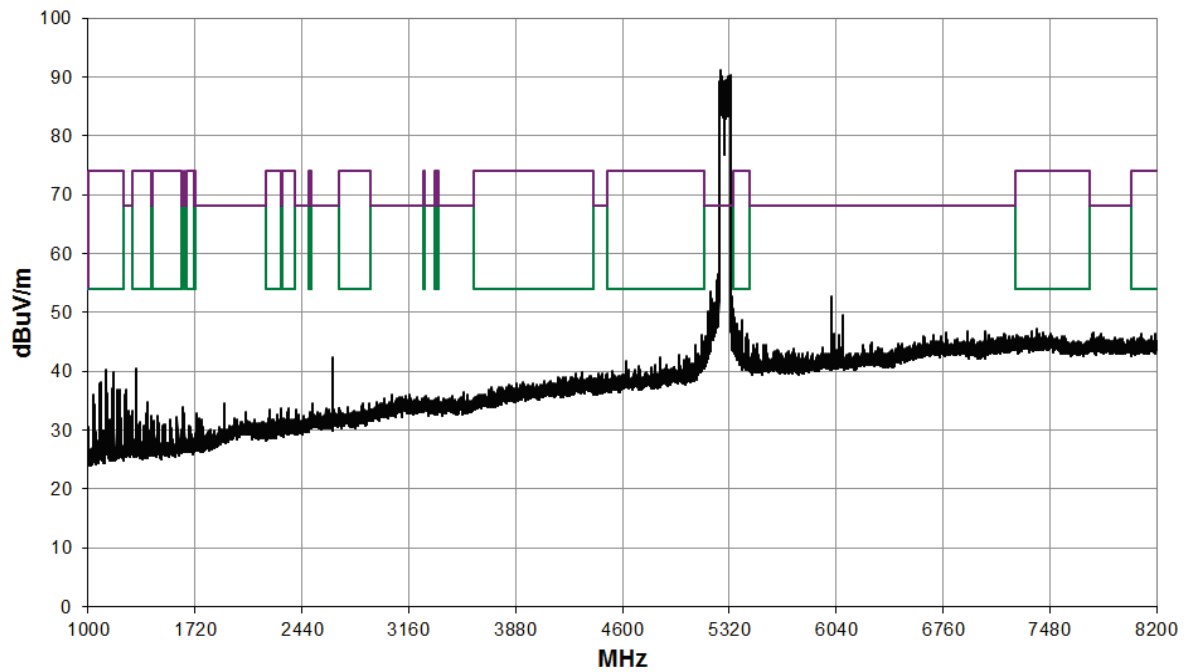


MIMO; Mode: 802.11ac80; Channel: CH58; Frequency: 5290 MHz; Bandwidth: 80 MHz; MCS Index: 0										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
No emissions within 10 dB of the limit.										

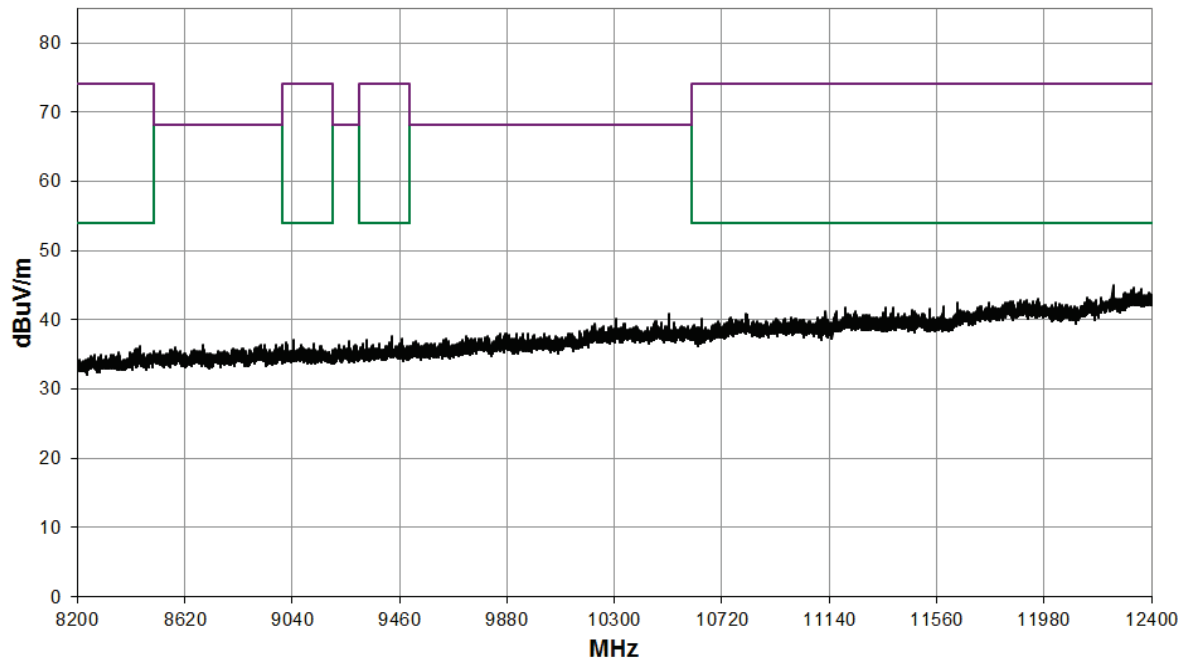
30 MHz to 1 GHz



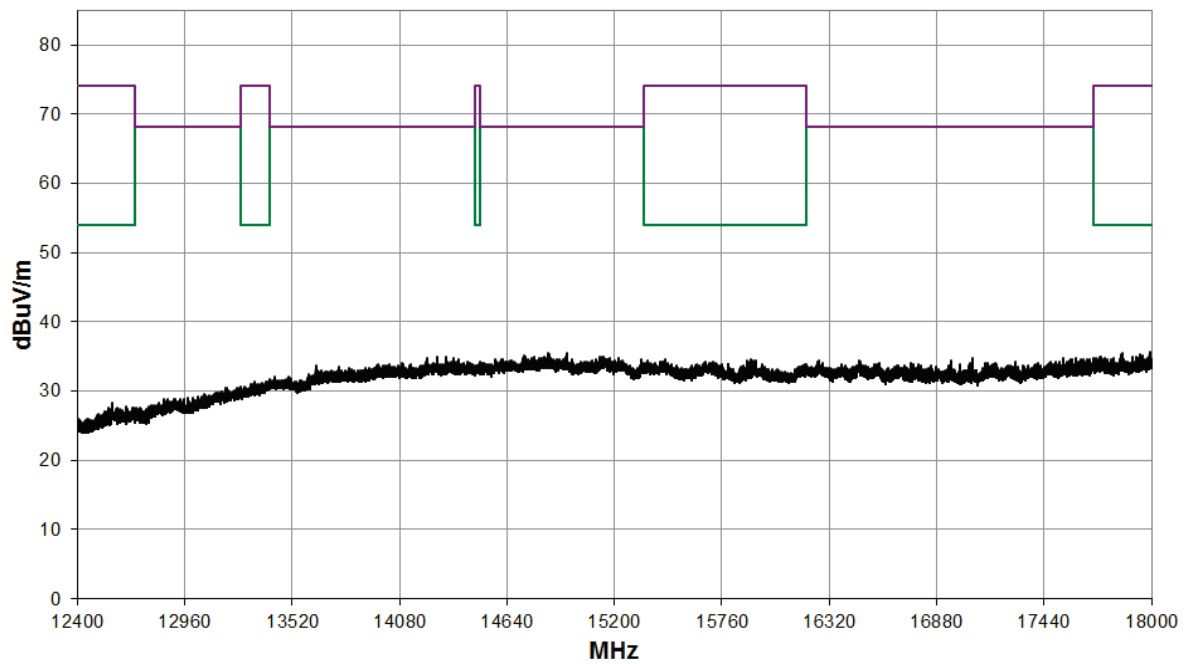
1 GHz to 8.2 GHz



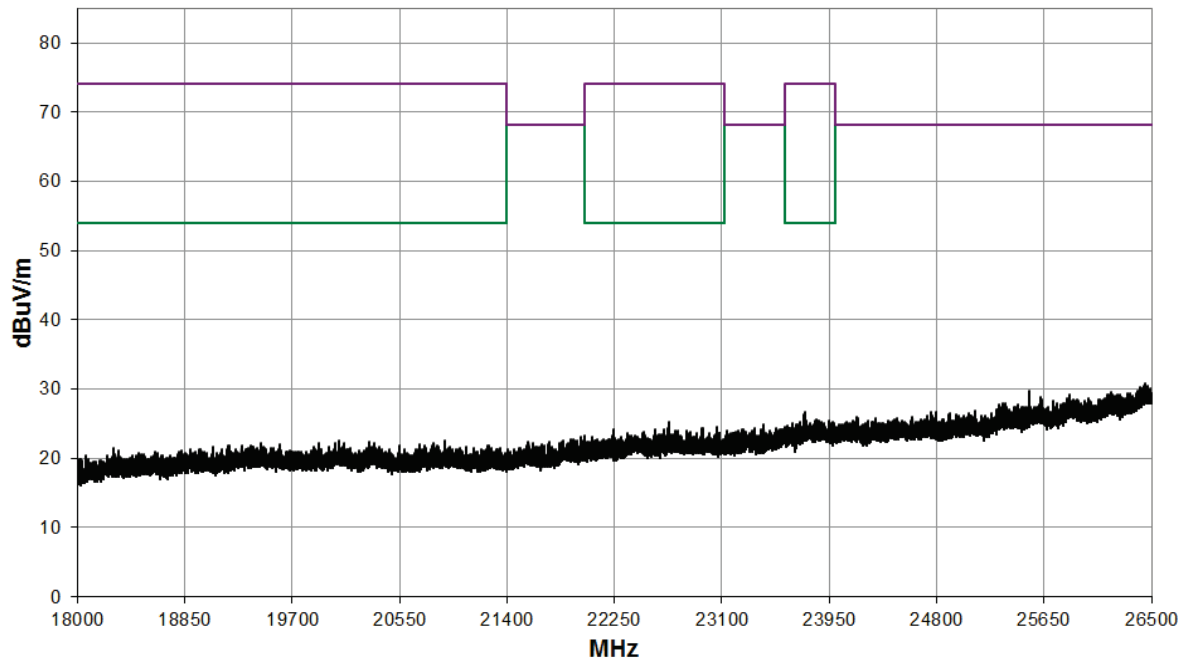
8.2 GHz to 12.4 GHz



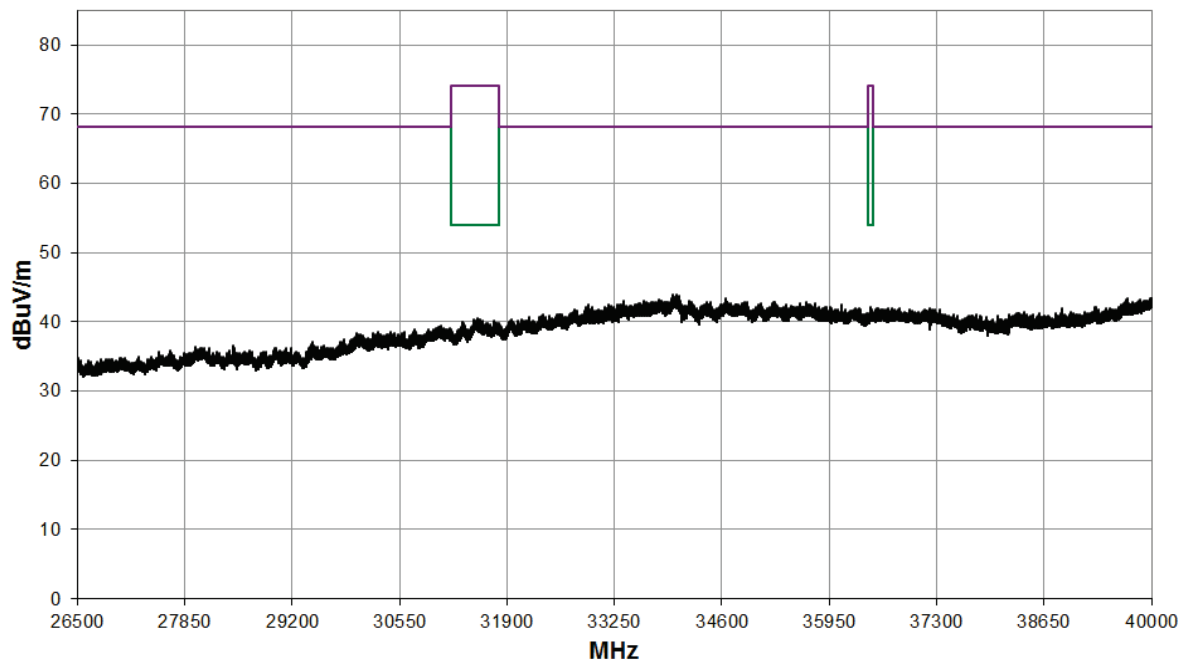
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

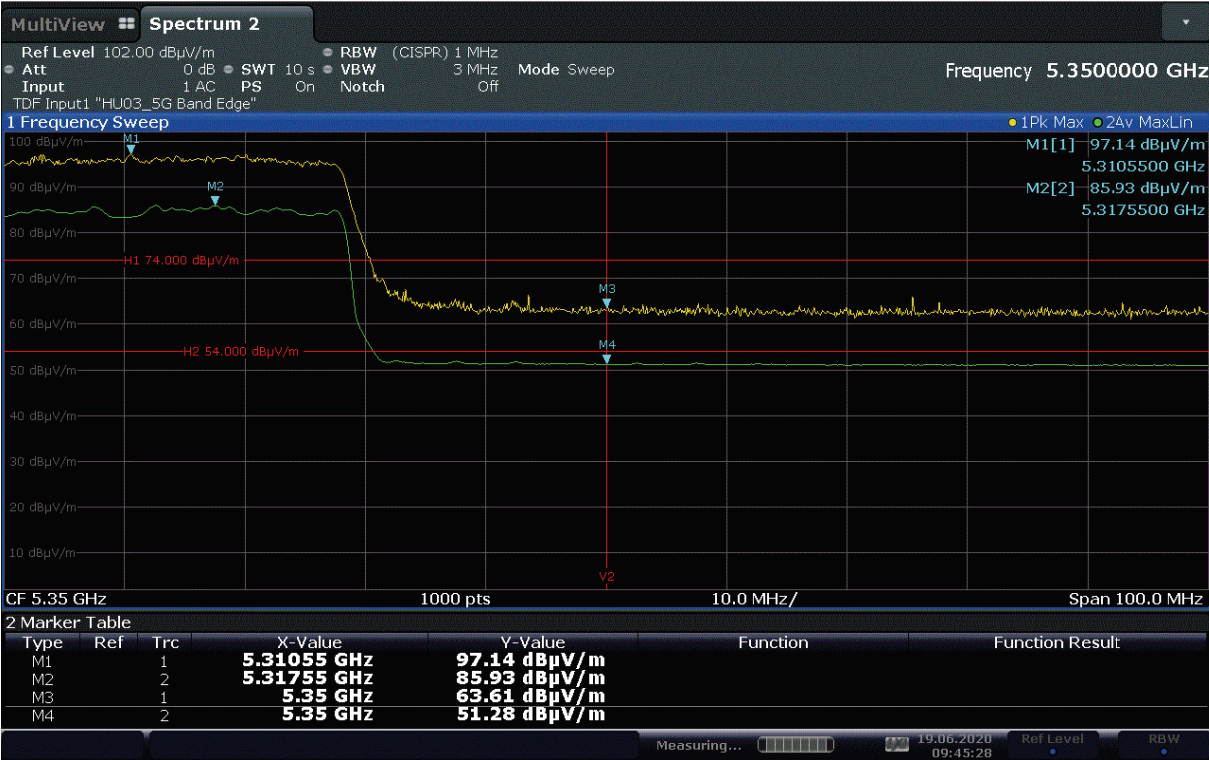


26.5 GHz to 40 GHz



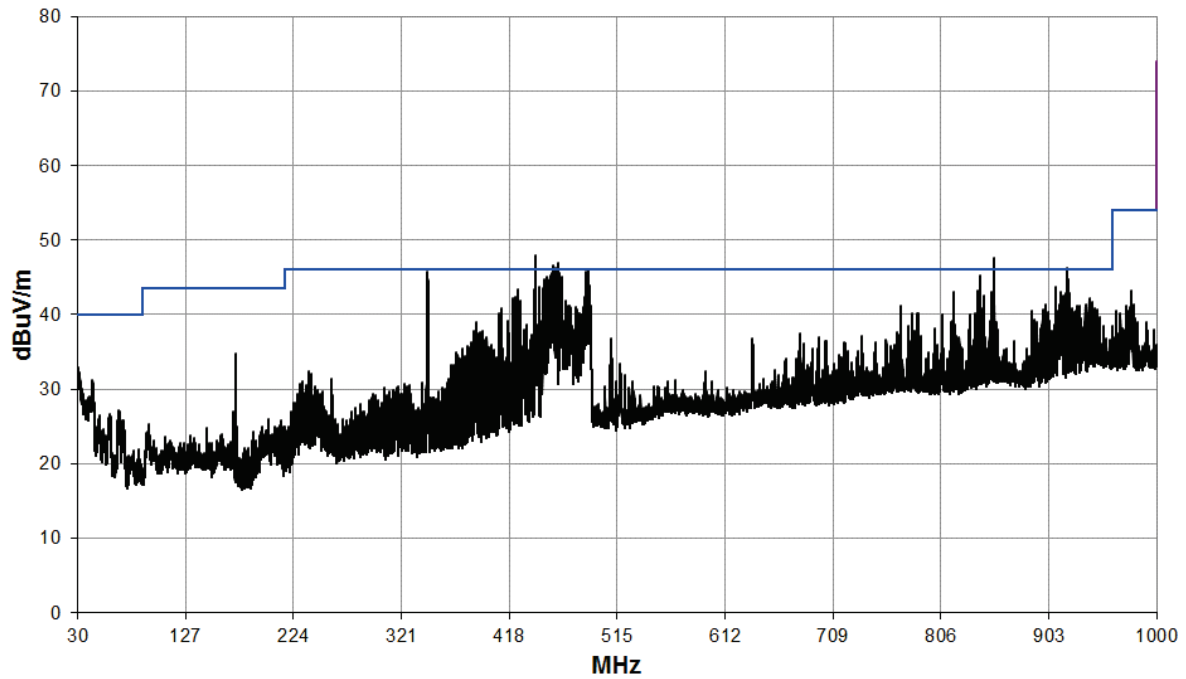
Band Edge

Element

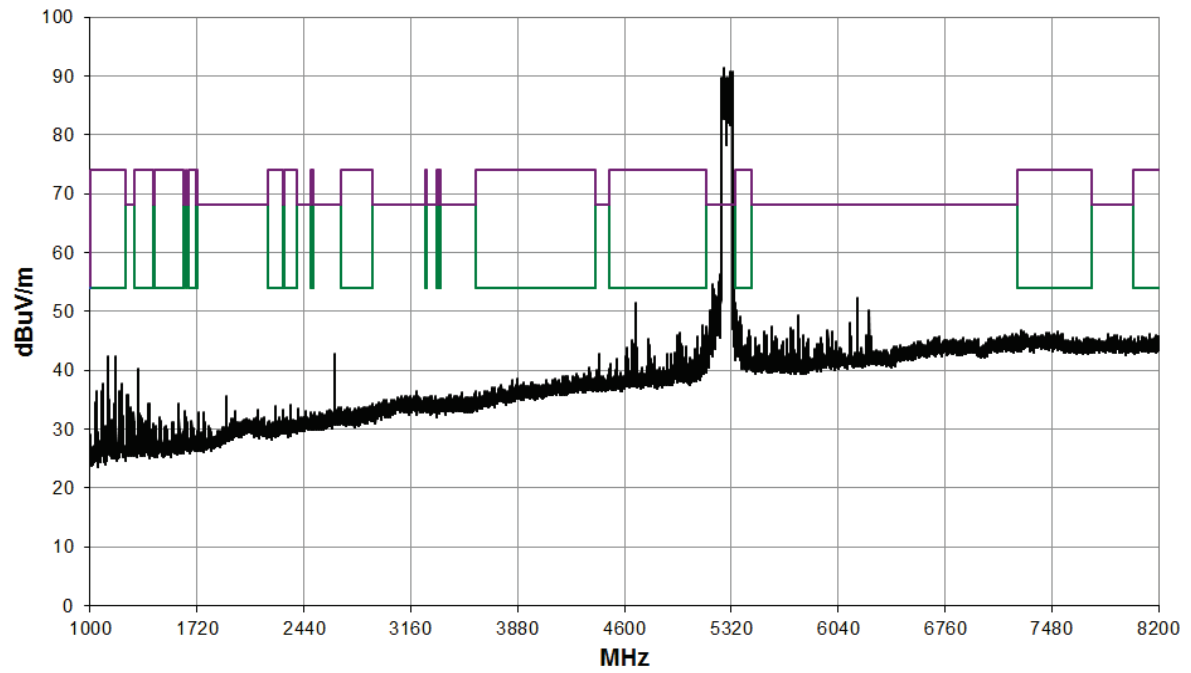


MIMO; Mode: 802.11ac80; Channel: CH58; Frequency: 5290 MHz; Bandwidth: 80 MHz; MCS Index: 9										
Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
PK	4768.2	19.8	5.4	33.4	0.0	0.0	58.6	0.0	851.1	5000
AV	4770.1	-3.7	5.4	33.4	0.0	0.0	35.1	0.0	56.9	500
AV	4982.4	-3.2	5.5	33.3	0.0	0.0	35.6	0.0	60.3	500
PK	4984.4	19.2	5.5	33.3	0.0	0.0	58.0	0.0	794.3	5000
PK	6166.1	15.8	6.3	36.2	0.0	0.0	58.3	0.0	822.2	2500

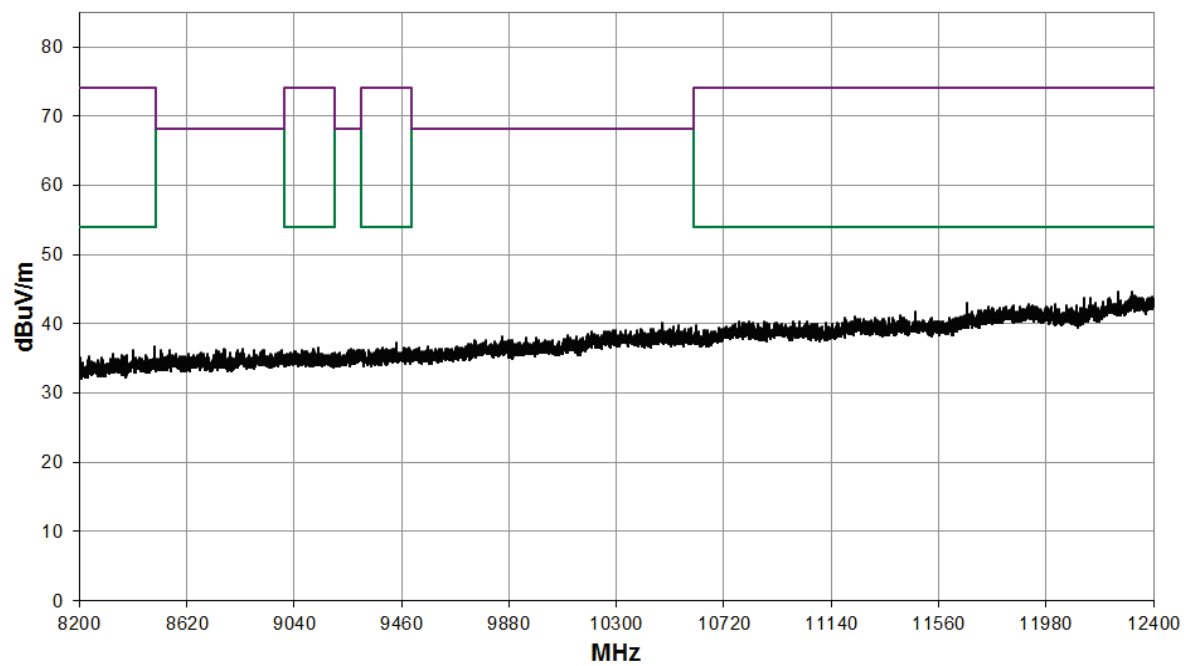
30 MHz to 1 GHz



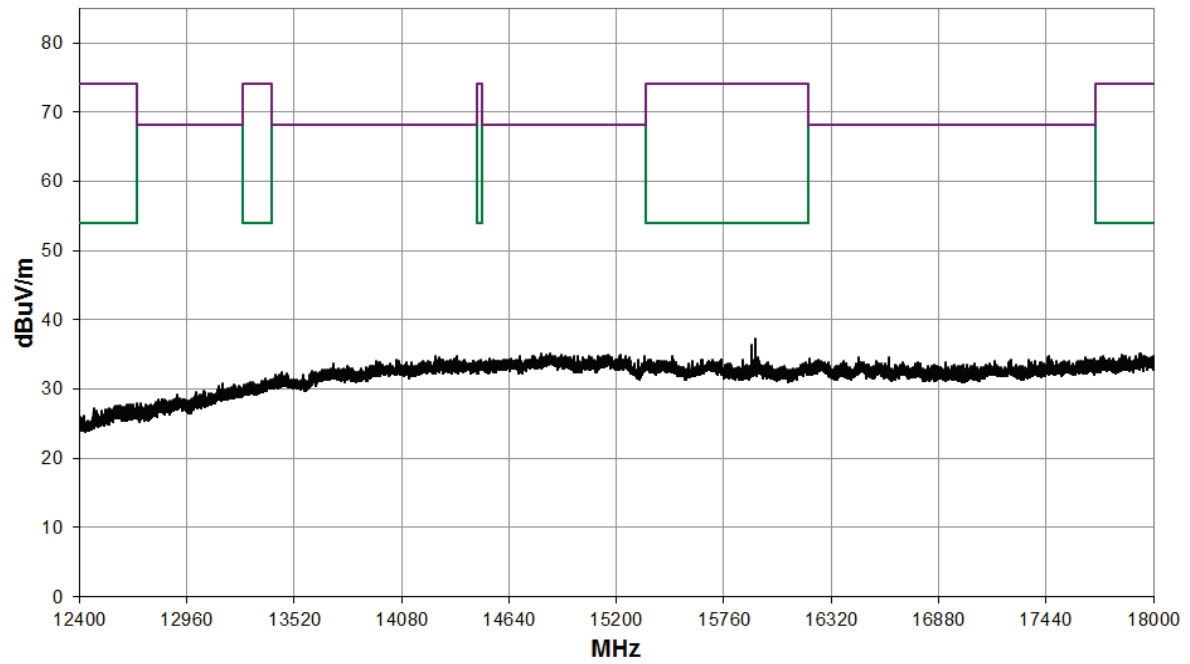
1 GHz to 8.2 GHz



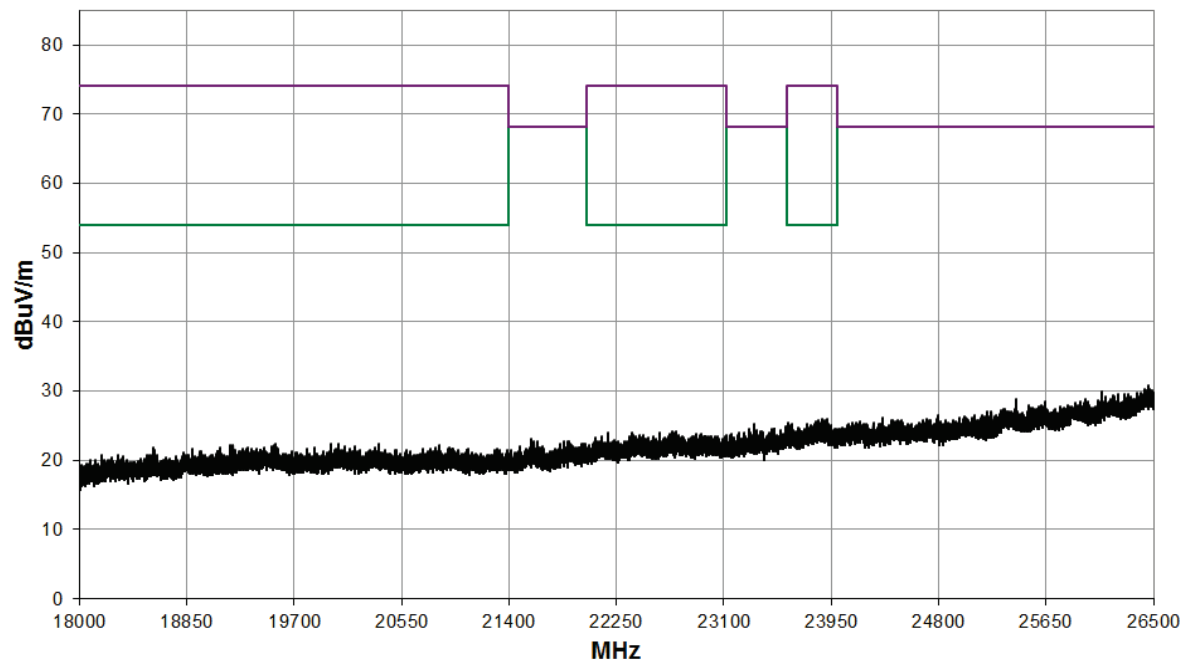
8.2 GHz to 12.4 GHz



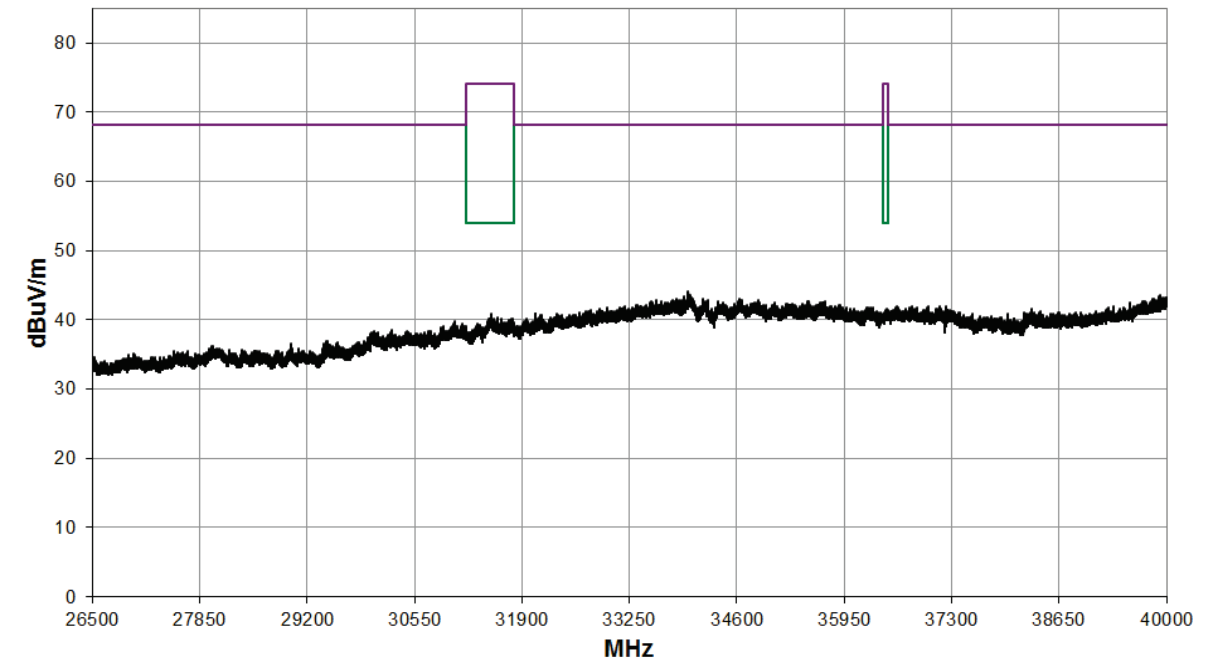
12.4 GHz to 18 GHz



18 GHz to 26.5 GHz

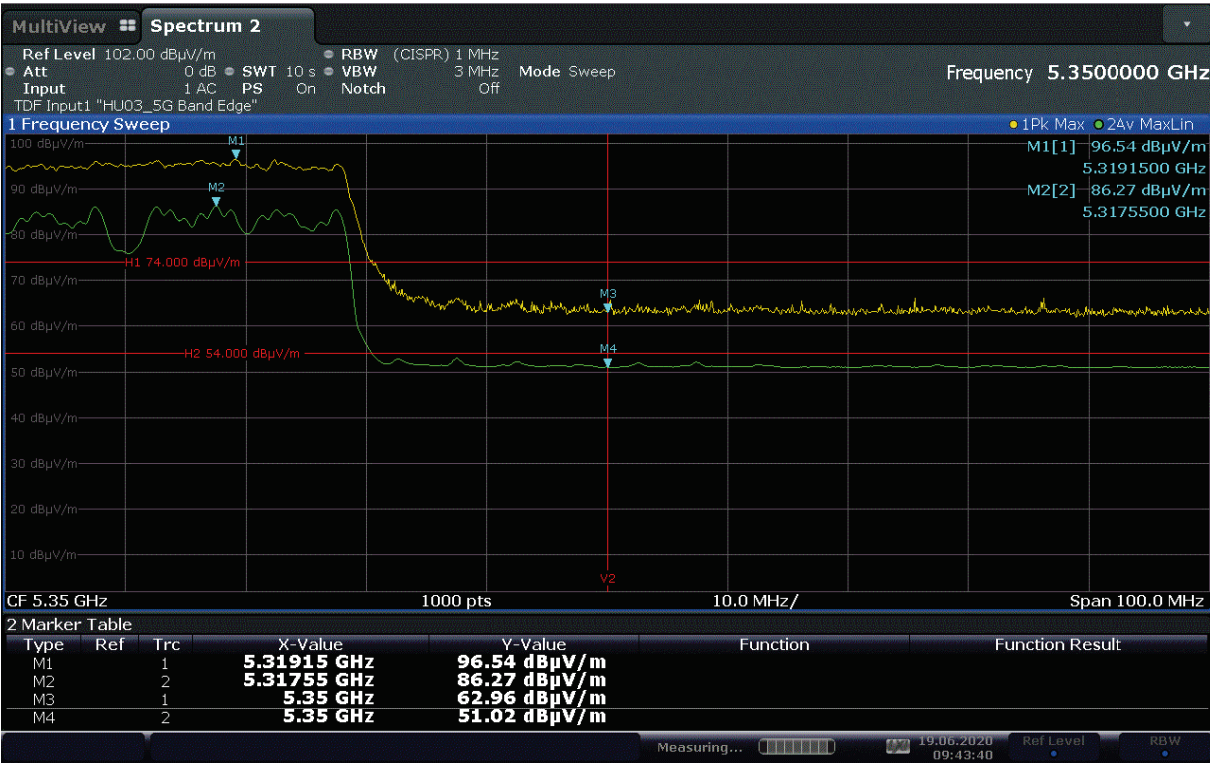


26.5 GHz to 40 GHz



Band Edge

Element



Emissions common in all modes

Detector	Freq. (MHz)	Meas'd Emission (dBμV)	Cable Loss (dB)	Antenna Factor (dB/m)	Pre-amp Gain (dB)	Duty Cycle Corr'n (dB)	Field Strength (dBμV/m)	Distance Extrap'n Factor (dB)	Field Strength (μV/m)	Limit (μV/m)
QP	30.0	0.1	0.7	24.2	0.0	0.0	25.0	0.0	17.8	100.0
QP	43.7	8.9	0.9	17.9	0.0	0.0	27.7	0.0	24.3	100.0
QP	172.3	13.9	1.7	15.4	0.0	0.0	31.0	0.0	35.5	150.0
QP	240.0	10.5	2.1	17.0	0.0	0.0	29.6	0.0	30.2	200.0
QP	344.6	17.7	2.6	20.0	0.0	0.0	40.3	0.0	103.5	200.0
QP	388.0	9.0	2.8	21.2	0.0	0.0	33.0	0.0	44.7	200.0
QP	424.0	4.4	2.9	22.4	0.0	0.0	29.7	0.0	30.5	200.0
QP	453.2	14.9	3.0	23.0	0.0	0.0	40.9	0.0	110.9	200.0
QP	501.1	3.8	3.2	23.7	0.0	0.0	30.7	0.0	34.3	200.0
QP	636.4	1.5	3.6	26.4	0.0	0.0	31.5	0.0	37.6	200.0
QP	899.8	1.1	4.2	28.8	0.0	0.0	34.1	0.0	50.7	200.0
QP	950.2	-8.0	4.3	30.6	0.0	0.0	26.9	0.0	22.1	200.0