Testing Laboratory 3787

# RADIO TEST REPORT

| | | |
|---|---|---|
| FCC ID | : | RSL-TQ6702EGEN2 |
| Equipment | : | IEEE802.11ax dual-radio 5G/2.4GHz 8x8+4x4 wireless AP |
| Brand Name | : | Allied Telesis |
| Model Name | : | AT-TQ6702e GEN2 |
| Applicant | : | Allied Telesis K.K.<br>2nd. TOC Bldg.7-21-11 Nishi-Gotanda, Shinagawa-ku Tokyo 1410031 Japan |
| Manufacturer | : | Allied Telesis K.K.<br>2nd. TOC Bldg.7-21-11 Nishi-Gotanda, Shinagawa-ku Tokyo 1410031 Japan |
| Standard | : | 47 CFR FCC Part 15.247 |

**The product was received on Aug. 30, 2022, and testing was started from Oct. 07, 2022 and completed on Nov. 23, 2022. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.**

**The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.**

Approved by: Sam Chen

*Sporton International Inc. Hsinchu Laboratory*
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# History of this test report

| Report No. | Version | Description | Issued Date |
|---|---|---|---|
| FR281719AA | 01 | Initial issue of report | Dec. 21, 2022 |
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# Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|---|---|---|---|---|
| 1.1.2 | 15.203 | Antenna Requirement | PASS | - |
| 3.1 | 15.207 | AC Power-line Conducted Emissions | PASS | - |
| 3.2 | 15.247(a) | DTS Bandwidth | PASS | - |
| 3.3 | 15.247(b) | Maximum Conducted Output Power | PASS | - |
| 3.4 | 15.247(e) | Power Spectral Density | PASS | - |
| 3.5 | 15.247(d) | Emissions in Non-restricted Frequency Bands | PASS | - |
| 3.6 | 15.247(d) | Emissions in Restricted Frequency Bands | PASS | - |

| **Declaration of Conformity:** |
|---|
| 1. The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.<br>2. The measurement uncertainty please refer to report "Measurement Uncertainty". |
| **Comments and Explanations:** |
| The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification. |

**Reviewed by: Sam Chen**
**Report Producer: Wendy Pan**

# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

| Frequency Range (MHz) | IEEE Std. 802.11 | Ch. Frequency (MHz) | Channel Number |
|---|---|---|---|
| 2400-2483.5 | b, g, n (HT20), VHT20, ax (HEW20) | 2412-2462 | 1-11 [11] |
| 2400-2483.5 | n (HT40), VHT40, ax (HEW40) | 2422-2452 | 3-9 [7] |

| Band | Mode | BWch (MHz) | Nant |
|---|---|---|---|
| 2.4-2.4835GHz | 802.11b | 20 | 4TX |
| 2.4-2.4835GHz | 802.11g | 20 | 4TX |
| 2.4-2.4835GHz | 802.11n HT20 | 20 | 4TX |
| 2.4-2.4835GHz | 802.11n HT20-BF | 20 | 4TX |
| 2.4-2.4835GHz | VHT20 | 20 | 4TX |
| 2.4-2.4835GHz | VHT20-BF | 20 | 4TX |
| 2.4-2.4835GHz | 802.11ax HEW20 | 20 | 4TX |
| 2.4-2.4835GHz | 802.11ax HEW20-BF | 20 | 4TX |
| 2.4-2.4835GHz | 802.11n HT40 | 40 | 4TX |
| 2.4-2.4835GHz | 802.11n HT40-BF | 40 | 4TX |
| 2.4-2.4835GHz | VHT40 | 40 | 4TX |
| 2.4-2.4835GHz | VHT40-BF | 40 | 4TX |
| 2.4-2.4835GHz | 802.11ax HEW40 | 40 | 4TX |
| 2.4-2.4835GHz | 802.11ax HEW40-BF | 40 | 4TX |

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.

### 1.1.2 Antenna Information

| Set | Port | Brand | Model Name | Antenna Type | Connector | Gain (dBi) |
|---|---|---|---|---|---|---|
| 1 | 1~8 | WHAYU | C478-690079-A | Dipole | N-Type | Note 1 |
| | 1~8 | WHAYU | C478-690080-A | Dipole | N-Type | |
| 2 | 1~8 | Angeei | EXD24140D01 | Patch | N-Type | |

Note1:

| Set | Port | Antenna Gain (dBi) | | | | | Internal loss+ Surge protector | | | | | Net Gain (dBi) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | WLAN 2.4GHz | WLAN 5GHz | | | | WLAN 2.4GHz | WLAN 5GHz | | | | WLAN 2.4GH | WLAN 5GHz | | | |
| | | | UNII 1 | UNII 2A | UNII 2C | UNII 3 | | UNII 1 | UNII 2A | UNII 2C | UNII 3 | | UNII 1 | UNII 2A | UNII 2C | UNII 3 |
| 1 (Dual Band) | 1 | 3.5 | 6 | 5.8 | 5.5 | 5.5 | 0.58 | 0.69 | 0.79 | 0.9 | 0.8 | 2.92 | 5.31 | 5.01 | 4.6 | 4.7 |
| | 2 | 3.5 | 6 | 5.8 | 5.5 | 5.5 | 1.09 | 1.53 | 1.7 | 1.6 | 1.64 | 2.41 | 4.47 | 4.1 | 3.9 | 3.86 |
| | 3 | 3.5 | 6 | 5.8 | 5.5 | 5.5 | 0.93 | 1.35 | 1.37 | 1.3 | 1.24 | 2.57 | 4.65 | 4.43 | 4.2 | 4.26 |
| | 4 | 3.5 | 6 | 5.8 | 5.5 | 5.5 | 0.62 | 0.75 | 0.71 | 0.49 | 0.59 | 2.88 | 5.25 | 5.09 | 5.01 | 4.91 |
| | 5 | - | 6 | 5.8 | 5.5 | 5.5 | - | 0.75 | 0.79 | 0.84 | 0.66 | - | 5.25 | 5.01 | 4.66 | 4.84 |
| | 6 | - | 6 | 5.8 | 5.5 | 5.5 | - | 1.3 | 1.35 | 1.28 | 1.27 | - | 4.7 | 4.45 | 4.22 | 4.23 |
| | 7 | - | 6 | 5.8 | 5.5 | 5.5 | - | 1.05 | 1.21 | 1.07 | 1.01 | - | 4.95 | 4.59 | 4.43 | 4.49 |
| | 8 | - | 6 | 5.8 | 5.5 | 5.5 | - | 1.28 | 1.49 | 1.44 | 1.28 | - | 4.72 | 4.31 | 4.06 | 4.22 |

| Set | Port | Antenna Gain (dBi) | | | | Internal loss+ Surge protector | | | | Net Gain (dBi) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | WLAN 5GHz | | | | WLAN 5GHz | | | | WLAN 5GHz | | | |
| | | UNII 1 | UNII 2A | UNII 2C | UNII 3 | UNII 1 | UNII 2A | UNII 2C | UNII 3 | UNII 1 | UNII 2A | UNII 2C | UNII 3 |
| 1 (Single Band) | 1 | 6.91 | 6.72 | 6.34 | 7.08 | 0.69 | 0.79 | 0.9 | 0.8 | 6.22 | 5.93 | 5.44 | 6.28 |
| | 2 | 6.91 | 6.72 | 6.34 | 7.08 | 1.53 | 1.7 | 1.6 | 1.64 | 5.38 | 5.02 | 4.74 | 5.44 |
| | 3 | 6.91 | 6.72 | 6.34 | 7.08 | 1.35 | 1.37 | 1.3 | 1.24 | 5.56 | 5.35 | 5.04 | 5.84 |
| | 4 | 6.91 | 6.72 | 6.34 | 7.08 | 0.75 | 0.71 | 0.49 | 0.59 | 6.16 | 6.01 | 5.85 | 6.49 |
| | 5 | 6.91 | 6.72 | 6.34 | 7.08 | 0.75 | 0.79 | 0.84 | 0.66 | 6.16 | 5.93 | 5.5 | 6.42 |
| | 6 | 6.91 | 6.72 | 6.34 | 7.08 | 1.3 | 1.35 | 1.28 | 1.27 | 5.61 | 5.37 | 5.06 | 5.81 |
| | 7 | 6.91 | 6.72 | 6.34 | 7.08 | 1.05 | 1.21 | 1.07 | 1.01 | 5.86 | 5.51 | 5.27 | 6.07 |
| | 8 | 6.91 | 6.72 | 6.34 | 7.08 | 1.28 | 1.49 | 1.44 | 1.28 | 5.63 | 5.23 | 4.9 | 5.8 |

| Set | Port | Antenna Gain (dBi) | | 2M N-type cable loss | | Internal loss+ Surge protector | | | | | Net Gain (dBi) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | WLAN 2.4GHz | WLAN 5GHz | WLAN 2.4GHz | WLAN 5GHz | WLAN 2.4GHz | WLAN 5GHz | | | | WLAN 2.4GHz | WLAN 5GHz | | | |
| | | | | | | | UNII 1 | UNII 2A | UNII 2C | UNII 3 | | UNII 1 | UNII 2A | UNII 2C | UNII 3 |
| 2 (2M N-type cable) | 1 | 13 | 16 | 0.75 | 1.23 | 0.58 | 0.69 | 0.79 | 0.9 | 0.8 | 11.67 | 14.08 | 13.98 | 13.87 | 13.97 |
| | 2 | 13 | 16 | 0.75 | 1.23 | 1.09 | 1.53 | 1.7 | 1.6 | 1.64 | 11.16 | 13.24 | 13.07 | 13.17 | 13.13 |
| | 3 | 13 | 16 | 0.75 | 1.23 | 0.93 | 1.35 | 1.37 | 1.3 | 1.24 | 11.32 | 13.42 | 13.4 | 13.47 | 13.53 |
| | 4 | 13 | 16 | 0.75 | 1.23 | 0.62 | 0.75 | 0.71 | 0.49 | 0.59 | 11.63 | 14.02 | 14.06 | 14.28 | 14.18 |
| | 5 | - | 16 | - | 1.23 | - | 0.75 | 0.79 | 0.84 | 0.66 | - | 14.02 | 13.98 | 13.93 | 14.11 |
| | 6 | - | 16 | - | 1.23 | - | 1.3 | 1.35 | 1.28 | 1.27 | - | 13.47 | 13.42 | 13.49 | 13.5 |
| | 7 | - | 16 | - | 1.23 | - | 1.05 | 1.21 | 1.07 | 1.01 | - | 13.72 | 13.56 | 13.7 | 13.76 |
| | 8 | - | 16 | - | 1.23 | - | 1.28 | 1.49 | 1.44 | 1.28 | - | 13.49 | 13.28 | 13.33 | 13.49 |

| Set | Port | Antenna Gain (dBi) | | 2M N-type cable loss | | 10M N-type cable loss | | Internal loss+ Surge protector | | | | | Net Gain (dBi) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | WLAN 2.4GHz | WLAN 5GHz | WLAN 2.4GHz | WLAN 5GHz | WLAN 2.4GHz | WLAN 5GHz | WLAN 2.4GHz | WLAN 5GHz | | | | WLAN 2.4GHz | WLAN 5GHz | | | |
| | | | | | | | | | UNII 1 | UNII 2A | UNII 2C | UNII 3 | | UNII 1 | UNII 2A | UNII 2C | UNII 3 |
| 2 (2M + 10M N-type cable) | 1 | 13 | 16 | 0.75 | 1.23 | 3.77 | 6.16 | 0.58 | 0.69 | 0.79 | 0.9 | 0.8 | 7.9 | 7.92 | 7.82 | 7.71 | 7.81 |
| | 2 | 13 | 16 | 0.75 | 1.23 | 3.77 | 6.16 | 1.09 | 1.53 | 1.7 | 1.6 | 1.64 | 7.39 | 7.08 | 6.91 | 7.01 | 6.97 |
| | 3 | 13 | 16 | 0.75 | 1.23 | 3.77 | 6.16 | 0.93 | 1.35 | 1.37 | 1.3 | 1.24 | 7.55 | 7.26 | 7.24 | 7.31 | 7.37 |
| | 4 | 13 | 16 | 0.75 | 1.23 | 3.77 | 6.16 | 0.62 | 0.75 | 0.71 | 0.49 | 0.59 | 7.86 | 7.86 | 7.9 | 8.12 | 8.02 |
| | 5 | - | 16 | - | 1.23 | 3.77 | 6.16 | - | 0.75 | 0.79 | 0.84 | 0.66 | | 7.86 | 7.82 | 7.77 | 7.95 |
| | 6 | - | 16 | - | 1.23 | 3.77 | 6.16 | - | 1.3 | 1.35 | 1.28 | 1.27 | | 7.31 | 7.26 | 7.33 | 7.34 |
| | 7 | - | 16 | - | 1.23 | 3.77 | 6.16 | - | 1.05 | 1.21 | 1.07 | 1.01 | | 7.56 | 7.4 | 7.54 | 7.6 |
| | 8 | - | 16 | - | 1.23 | 3.77 | 6.16 | - | 1.28 | 1.49 | 1.44 | 1.28 | | 7.33 | 7.12 | 7.17 | 7.33 |

Note2: The above information was declared by manufacturer.
This EUT doesn't enable UNII 2A, 2C.
For conducted and radiated above 1GHz, The EUT has two types of antenna. Only the highest gain antenna was selected from each different types of antenna to test and record in this report.
Set 1: Dual Band antenna was selected for WLAN 2.4GHz and Single Band antenna was selected for WLAN 5GHz to perform the test.
Set 2: 2M N-type cable was selected to perform the test.
Polarization of antenna set 2:
2.4GHz: 2*Horizontal, 2*Vertical. so array gain only adds 10log (2).
5GHz: 4*Horizontal, 4*Vertical. so array gain only adds 10log (4).
**For WLAN 2.4GHz function:**
**For IEEE 802.11b/g/n/VHT/ax mode (4TX/4RX):**
Port 1 ~ Port 4 can be used as transmitting/receiving antenna.
Port 1 ~ Port 4 could transmit/receive simultaneously.
**For WLAN 5GHz function:**
**For IEEE 802.11a/n/ac/ax mode (8TX/8RX):**
Port 1 ~ Port 8 can be used as transmitting/receiving antenna.
Port 1 ~ Port 8 could transmit/receive simultaneously.

Note3:

Directional gain information

| Type | Maximum Output Power | Power Spectral Density |
|---|---|---|
| Non-BF | Directional gain = Max.gain + array gain.<br>For power measurements on IEEE 802.11 devices<br>Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4<br>Array Gain = 5 log(NANT/NSS) dB or 3 dB,<br>whichever is less, for 20-MHz channel widths with<br>NANT ≥ 5. | $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ |
| BF | $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ | $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ |

Ex.

Directional Gain (NSS1) formula : $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$

Directional gain For PSD and TXBF Power

NSS1(g1,2) = $10^{G1/20}$ ; NSS1(g1,2)= $10^{G2/20}$ ;
NSS1(g1,3)= $10^{G3/20}$; NSS1(g1,4)= $10^{G4/20}$
NSS1(g1,5) = $10^{G5/20}$ ; NSS1(g1,6)= $10^{G6/20}$ ;
NSS1(g1,7)= $10^{G7/20}$ ; NSS1(g1,8)= $10^{G8/20}$ gj,k = (Nss1(g1,1) + Nss1(g1,2) + Nss1(g1,3) + Nss1(g1,4) + Nss1(g1,5) + Nss1(g1,6) + Nss1(g1,7) + Nss1(g1,8) )$^2$
DG = 10 log[ (Nss1(g1,1) + Nss1(g1,2) + Nss1(g1,3) + Nss1(g1,4) + (Nss1(g, 5) + Nss1(g1,6) + Nss1(g1,7) + Nss1(g1,8))$^2$ / $N_{ANT}$ ] => 10 log[ ($10^{G1/20}$ + $10^{G2/20}$ + $10^{G3/20}$ + $10^{G4/2}$+$10^{G5/20}$ + $10^{G6/20}$ + $10^{G7/20}$ + $10^{G8/20}$ )$^2$ / $N_{ANT}$]

Directional gain For nonTXBF 20Mhz Power

NSS1(g1,2) = $10^{G1/20}$ ; NSS1(g1,2)= $10^{G2/20}$ ;
NSS1(g1,3)= $10^{G3/20}$; NSS1(g1,4)= $10^{G4/20}$
NSS1(g1,5) = $10^{G5/20}$ ; NSS1(g1,6)= $10^{G6/20}$ ;
NSS1(g1,7)= $10^{G7/20}$ ; NSS1(g1,8)= $10^{G8/20}$ gj,k = (Nss1(g1,1) + Nss1(g1,2) + Nss1(g1,3) + Nss1(g1,4) + Nss1(g1,5) + Nss1(g1,6) + Nss1(g1,7) + Nss1(g1,8) )$^2$
DG = 10 log[ (Nss1(g1,1) + Nss1(g1,2) + Nss1(g1,3) + Nss1(g1,4) + (Nss1(g, 5) + Nss1(g1,6) + Nss1(g1,7) + Nss1(g1,8))$^2$ / $N_{ANT}$ ] => 5 log[ ($10^{G1/20}$ + $10^{G2/20}$ + $10^{G3/20}$ + $10^{G4/2}$+$10^{G5/20}$ + $10^{G6/20}$ + $10^{G7/20}$ + $10^{G8/20}$ )$^2$ / $N_{ANT}$]

Where ;

Dipole

2.4G G1= 2.92 dBi ;

2.4G G2= 2.41 dBi ;

2.4G G3= 2.57 dBi ;

2.4G G4= 2.88 dBi ;

DG= 8.72 dBi

5G UNII1 G1= 6.22 dBi ;

5G UNII1 G2= 5.38 dBi ;

5G UNII1 G3= 5.56 dBi ;

5G UNII1 G4= 6.16 dBi ;

5G UNII1 G5= 6.16 dBi ;

5G UNII1 G6= 5.61 dBi ;

5G UNII1 G7= 5.86 dBi ;

5G UNII1 G8= 5.63 dBi ;

DG=14.86 dBi

5G UNII2A G1= 5.93 dBi ;

5G UNII2A G2= 5.02 dBi ;

5G UNII2A G3= 5.35 dBi ;

5G UNII2A G4= 6.01 dBi ;

5G UNII2A G5= 5.93 dBi ;

5G UNII2A G6= 5.37 dBi ;

5G UNII2A G7= 5.51 dBi ;

5G UNII2A G8= 5.23 dBi ;

DG=14.58 dBi

5G UNII2C G1= 5.44 dBi ;

5G UNII2C G2= 4.74 dBi ;

5G UNII2C G3= 5.04 dBi ;

5G UNII2C G4= 5.85 dBi ;

5G UNII2C G5= 5.5 dBi ;

5G UNII2C G6= .06 dBi ;

5G UNII2C G7= 5.27 dBi ;

5G UNII2C G8= 4.9 dBi ;

DG=14.26 dB

5G UNII4 G1= 6.28 dBi ;

5G UNII3 G2= 5.44 dBi ;

5G UNII3 G3= 5.84 dBi ;

5G UNII3 G4= 6.49 dBi ;

5G UNII3 G5= 6.42 dBi ;

5G UNII3 G6= 5.81 dBi ;

5G UNII3 G7= 6.07 dBi ;

5G UNII3 G8= 5.8 dBi ;

DG=15.06 dBi

Patch Cross-Polarized Antenna
2.4G G1= 11.67 dBi ;
2.4G G2= 11.16 dBi ;
2.4G G3= 11.23 dBi ;
2.4G G4= 11.63 dBi ;
DG=14.46 dBi

5G UNII1 G1= 14.08 dBi ;
5G UNII1 G2= 13.24 dBi ;
5G UNII1 G3= 13.42 dBi ;
5G UNII1 G4= 14.02 dBi ;
5G UNII1 G5= 14.02 dBi ;
5G UNII1 G6= 13.47 dBi ;
5G UNII1 G7= 13.72 dBi ;
5G UNII1 G8= 13.49 dBi ;
DG= 19.71 dBi

5G UNII2A G1= 13.98 dBi ;
5G UNII2A G2= 13.07 dBi ;
5G UNII2A G3= 13.4 dBi ;
5G UNII2A G4= 14.06 dBi ;
5G UNII2A G5= 13.98 dBi ;
5G UNII2A G6= 13.42 dBi ;
5G UNII2A G7= 13.56 dBi ;
5G UNII2A G8= 13.28 dBi ;
DG= 19.62 dBi

5G UNII2C G1= 13.87 dBi ;
5G UNII2C G2= 13.17 dBi ;
5G UNII2C G3= 13.47 dBi ;
5G UNII2C G4= 14.28 dBi ;
5G UNII2C G5= 13.93 dBi ;
5G UNII2C G6= 13.49 dBi ;
5G UNII2C G7= 13.7 dBi ;
5G UNII2C G8= 13.33 dBi ;
DG= 19.68 dBi

5G UNII3 G1= 13.97 dBi ;
5G UNII3 G2= 13.13 dBi ;
5G UNII3 G3= 13.53 dBi ;
5G UNII3 G4= 14.18 dBi ;
5G UNII3 G5= 14.11 dBi ;
5G UNII3 G6= 13.5 dBi ;
5G UNII3 G7= 13.76 dBi ;
5G UNII3 G8= 13.49 dBi ;
DG= 19.71 dBi

### 1.1.3 Mode Test Duty Cycle

**For Antenna Set 1 (Dipole)**

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) ≥ 1/T |
|---|---|---|---|---|
| 802.11b | 0.607 | 2.17 | 656.25u | 3k |
| 802.11g | 0.936 | 0.29 | 1.436m | 1k |
| 802.11ax HEW20 | 0.942 | 0.26 | 5.449m | 300 |
| 802.11ax HEW40 | 0.943 | 0.25 | 5.449m | 300 |

**For Antenna Set 2 (Patch)**

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) ≥ 1/T |
|---|---|---|---|---|
| 802.11b | 0.607 | 2.17 | 656.25u | 3k |
| 802.11g | 0.936 | 0.29 | 1.436m | 1k |
| 802.11ax HEW20 | 0.942 | 0.26 | 5.449m | 300 |
| 802.11ax HEW40 | 0.943 | 0.25 | 5.449m | 300 |

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

### 1.1.4 EUT Operational Condition

| | | | | |
|---|---|---|---|---|
| **EUT Power Type** | From PoE | | | |
| **Beamforming Function** | ☒ | With beamforming | ☐ | Without beamforming |
| | The product has beamforming function for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz. | | | |
| **Function** | ☒ | Point-to-multipoint | ☐ | Point-to-point |
| **Support RU** | ☒ | Full RU | ☐ | Partial RU |
| **Test Software Version** | QLibDemo-MSVC10_TX power[QCA TxPower Support WIFI 6E] | | | |

Note: The above information was declared by manufacturer.

## 1.2 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR FCC Part 15.247
- ANSI C63.10-2013

The following reference test guidance is not within the scope of accreditation of TAF.

- FCC KDB 558074 D01 v05r02
- FCC KDB 662911 D01 v02r01
- FCC KDB 414788 D01 v01r01

## 1.3 Testing Location Information

| Testing Location Information | |
|---|---|
| Test Lab.：Sporton International Inc. Hsinchu Laboratory | |
| Hsinchu (TAF: 3787) | ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)<br>TEL: 886-3-656-9065 FAX: 886-3-656-9085<br>Test site Designation No. TW3787 with FCC.<br>Conformity Assessment Body Identifier (CABID) TW3787 with ISED. |

| Test Condition | Test Site No. | Test Engineer | Test Environment (°C / %) | Test Date |
|---|---|---|---|---|
| RF Conducted | TH03-CB | Owen Hsu | 23.4-24.5 / 52-58 | Oct. 12, 2022~ Nov. 02, 2022 |
| Radiated<1GHz and Radiated Co-location | 03CH05-CB | Gordon Hung | 23.3~24.6 / 58~62 | Oct. 07, 2022~ Nov. 23, 202 |
| Radiated>1GHz | 03CH01-CB | Gordon Hung | 23.8-24.9 / 55-58 | Oct. 07, 2022~ Nov. 23, 2022 |
| | 03CH02-CB | | 24.2-25.3 / 56-59 | |
| AC Conduction | CO02-CB | Joe Chu | 23~24 / 56~57 | Nov. 02, 2022 |

## 1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

| Test Items | Uncertainty | Remark |
|---|---|---|
| Conducted Emission (150kHz ~ 30MHz) | 3.4 dB | Confidence levels of 95% |
| Radiated Emission (9kHz ~ 30MHz) | 3.4 dB | Confidence levels of 95% |
| Radiated Emission (30MHz ~ 1,000MHz) | 5.6 dB | Confidence levels of 95% |
| Radiated Emission (1GHz ~ 18GHz) | 5.2 dB | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz) | 4.7 dB | Confidence levels of 95% |
| Conducted Emission | 3.2 dB | Confidence levels of 95% |
| Output Power Measurement | 0.8 dB | Confidence levels of 95% |
| Power Density Measurement | 3.2 dB | Confidence levels of 95% |
| Bandwidth Measurement | 2.0 % | Confidence levels of 95% |

# 2 Test Configuration of EUT

## 2.1 Test Channel Mode

**For Antenna Set 1 (Dipole)**

| Mode | Power Setting |
|---|---|
| 802.11b_Nss1,(1Mbps)_4TX | - |
| 2412MHz | 18 |
| 2437MHz | 20 |
| 2462MHz | 18 |
| 802.11g_Nss1,(6Mbps)_4TX | - |
| 2412MHz | 14 |
| 2417MHz | 15 |
| 2437MHz | 19 |
| 2457MHz | 16 |
| 2462MHz | 14 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | - |
| 2412MHz | 13 |
| 2417MHz | 15 |
| 2437MHz | 19 |
| 2457MHz | 16 |
| 2462MHz | 13 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | - |
| 2412MHz | 13 |
| 2417MHz | 15 |
| 2437MHz | 19 |
| 2457MHz | 16 |
| 2462MHz | 13 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | - |
| 2422MHz | 14 |
| 2437MHz | 15 |
| 2452MHz | 13 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | - |
| 2422MHz | 14 |
| 2437MHz | 15 |
| 2452MHz | 13 |

**For Antenna Set 2 (Patch)**

| Mode | Power Setting |
|---|---|
| 802.11b_Nss1,(1Mbps)_4TX | - |
| 2412MHz | 18 |
| 2437MHz | 19 |
| 2462MHz | 18.5 |
| 802.11g_Nss1,(6Mbps)_4TX | - |
| 2412MHz | 13.5 |
| 2417MHz | 14.5 |
| 2437MHz | 17.5 |
| 2457MHz | 14.5 |
| 2462MHz | 13 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | - |
| 2412MHz | 12.5 |
| 2417MHz | 14.5 |
| 2437MHz | 18 |
| 2457MHz | 14.5 |
| 2462MHz | 12 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | - |
| 2412MHz | 12.5 |
| 2417MHz | 14.5 |
| 2437MHz | 15 |
| 2457MHz | 14.5 |
| 2462MHz | 12 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | - |
| 2422MHz | 12.5 |
| 2437MHz | 14 |
| 2452MHz | 12 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | - |
| 2422MHz | 12.5 |
| 2437MHz | 14 |
| 2452MHz | 12 |

Note: 1. Evaluated HEW20/HEW40 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40 mode are the same or lower than HEW20/HEW40.
2. The EUT supports non-beamforming and beamforming modes, after evaluating, the non-beamforming mode has been selected to execute all tests. The beamforming mode evaluates the output power only.

## 2.2 The Worst Case Measurement Configuration

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| **Tests Item** | AC power-line conducted emissions |
| **Condition** | AC power-line conducted measurement for line and neutral<br>Test Voltage: 120Vac / 60Hz |
| **Operating Mode** | Normal Link |
| 1 | EUT + Antenna Set 1 (4*Dual Band+4*Single Band Ant.) + PoE 1 |
| 2 | EUT + Antenna Set 2 + antenna cable 1 + PoE 1 |
| 3 | EUT + Antenna Set 2 + antenna cable 1 + 2 + PoE 1 |
| For operating mode 1 is the worst case and it was record in this test report. | |

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| **Tests Item** | DTS Bandwidth<br>Maximum Conducted Output Power<br>Power Spectral Density<br>Emissions in Non-restricted Frequency Bands |
| **Test Condition** | Conducted measurement at transmit chains |
| 1 | EUT + Antenna Set 1 (Dual Band)+ PoE 2 |
| 2 | EUT + Antenna Set 2 + antenna cable 1 + PoE 2 |

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| **Tests Item** | Emissions in Restricted Frequency Bands |
| **Test Condition** | Radiated measurement<br>If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type. |
| **Operating Mode < 1GHz** | CTX |
| After evaluating, the worst axis was found as below. So the measurement will follow this same test configuration. | |
| 1 | EUT in Y axis+ WLAN 2.4GHz + Antenna Set 1 (4*Dual Band+4*Single Band Ant.) + PoE 2 |
| 2 | EUT in Z axis+ WLAN 5GHz + Antenna Set 1 (4*Dual Band+4*Single Band Ant.) + PoE 2 |
| 3 | EUT in Y axis+ WLAN 2.4GHz + Antenna Set 2 + antenna cable 1 + PoE 2 |
| 4 | EUT in Z axis+ WLAN 5GHz + Antenna Set 2 + antenna cable 1 + PoE 2 |
| 5 | EUT in Y axis+ WLAN 2.4GHz + Antenna Set 2 + antenna cable 1 + 2 + PoE 2 |
| 6 | EUT in Z axis+ WLAN 5GHz + Antenna Set 2 + antenna cable 1 + 2 + PoE 2 |
| Mode 2 has been evaluated to be the worst case among Mode 1~6, thus measurement for Mode 7 will follow this same test mode. | |
| 7 | EUT in Z axis+ WLAN 5GHz + Antenna Set 1 (4*Dual Band+4*Single Band Ant.) + Surge protector + PoE 2 |
| For operating mode 2 is the worst case and it was record in this test report. | |
| **Operating Mode > 1GHz** | CTX |
| After evaluating, the worst axis was found as below. So the measurement will follow this same test configuration. | |
| 1 | EUT in Y axis + Antenna Set 1 (Dual Band) + PoE 2 |
| 2 | EUT in Y axis + Antenna Set 2 + antenna cable 1 + PoE 2 |

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| **Tests Item** | Simultaneous Transmission Analysis - Radiated Emission Co-location |
| **Test Condition** | Radiated measurement |
| **Operating Mode** | Normal Link |
| After evaluating, the worst axis was found as below. So the measurement will follow this same test configuration. | |
| 1 | EUT in Z axis + Antenna Set 1 (4*Dual Band+4*Single Band Ant.) + PoE 2 |
| 2 | EUT in Z axis + Antenna Set 2 + antenna cable 1+ PoE 2 |
| For operating mode 2 is the worst case and it was record in this test report. | |
| Refer to Appendix G for Radiated Emission Co-location. | |

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| **Tests Item** | Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation |
| **Operating Mode** | |
| 1 | EUT + Antenna Set 1 (4*Dual Band+4*Single Band Ant.) + PoE 2 |
| 2 | EUT + Antenna Set 2 + antenna cable 1+ PoE 2 |
| Refer to Sporton Test Report No.: FA281719 for Co-location RF Exposure Evaluation. | |

Note: The PoE is for measurement only, would not be marketed.

PoE information as below:

| Power | Brand | Model |
|---|---|---|
| PoE 1 | PHIHONG | POE60U-1BT-X |
| PoE 2 | DELTA | ADH-45AR B |

## 2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

## 2.4 Accessories

| Accessories |
|---|
| N type antenna cable1*1: shielded, 2m (for set 2 antenna use only)<br>N type extension antenna cable 2*1: shielded, 10m (for set 2 antenna and must be used with N type antenna cable1 only).<br>External surge protectors*8<br>Sealing Collar*1<br>Ground cable*1: shielded, 1.75m<br>Mounting Base*1<br>Pole-mount bracket*1 |

## 2.5 Support Equipment

**For AC Conduction:**

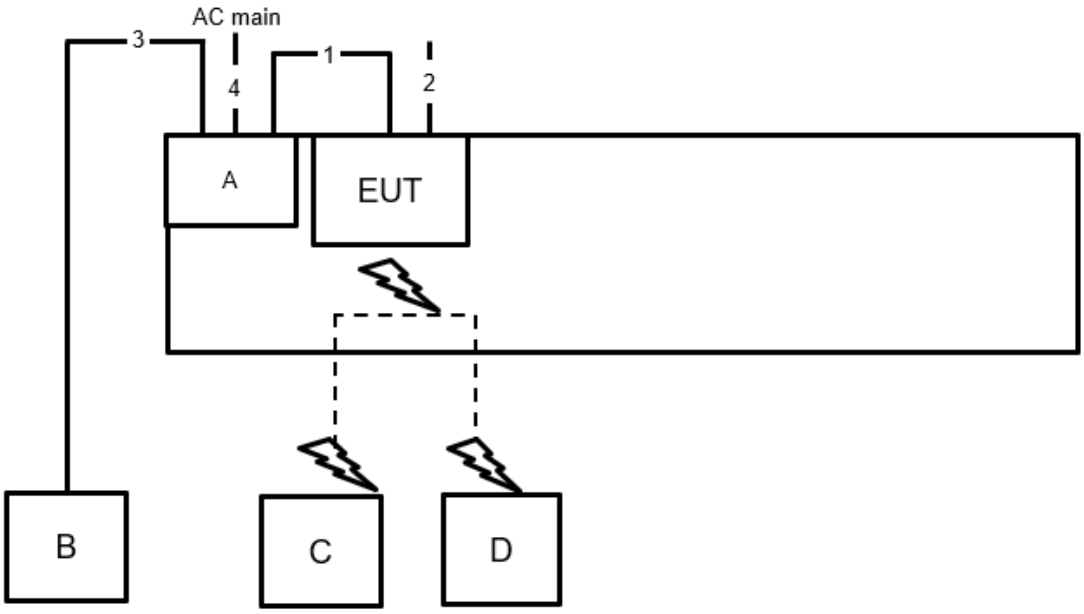
| Support Equipment | | | | |
|---|---|---|---|---|
| **No.** | **Equipment** | **Brand Name** | **Model Name** | **FCC ID** |
| A | PoE 1 | PHIHONG | POE60U-1BT-X | N/A |
| B | LAN NB | DELL | E6430 | N/A |
| C | 2.4G NB | DELL | E6430 | N/A |
| D | 5G NB | DELL | E6430 | N/A |

**For Radiated and RF Conducted:**

| Support Equipment | | | | |
|---|---|---|---|---|
| **No.** | **Equipment** | **Brand Name** | **Model Name** | **FCC ID** |
| A | Notebook | DELL | E4300 | N/A |
| B | PoE 2 | DELTA | ADH-45AR B | N/A |

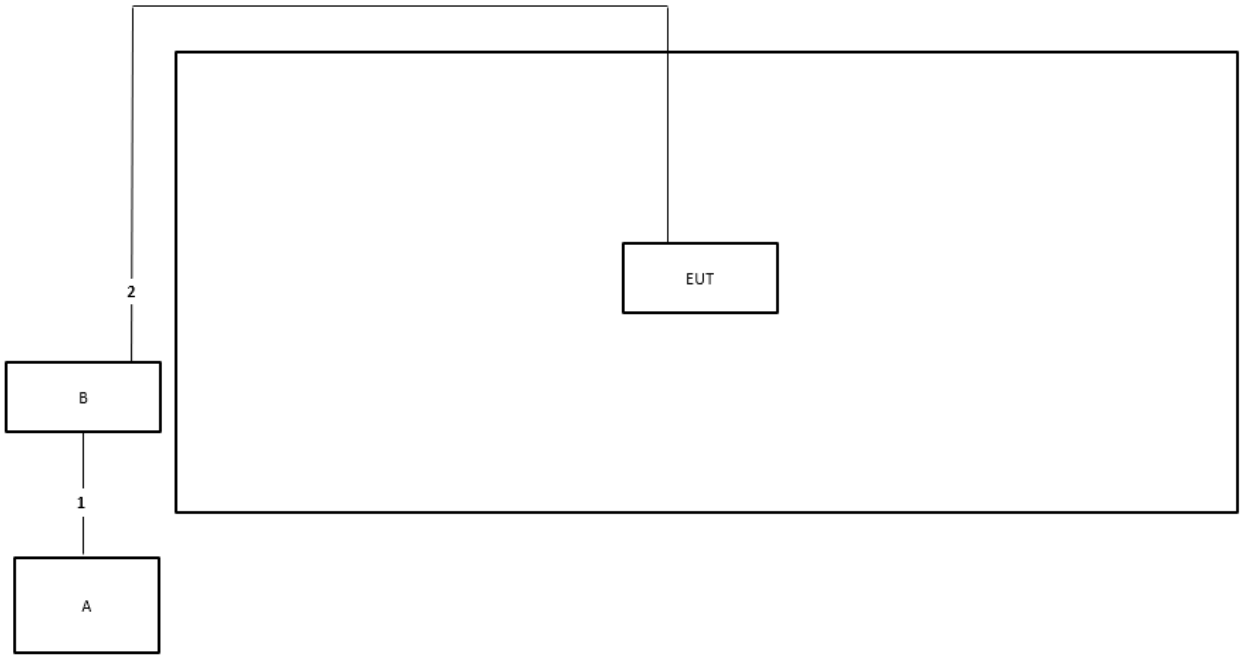
## 2.6 Test Setup Diagram

**Test Setup Diagram – AC Line Conducted Emission Test**




| Item | Connection | Shielded | Length |
|---|---|---|---|
| 1 | RJ-45 cable | No | 10m |
| 2 | GND cable | No | 1.75m |
| 3 | RJ-45 cable | No | 1.5m |
| 4 | Power cable | No | 1.2m |

**Test Setup Diagram - Radiated Test**




| Item | Connection | Shielded | Length |
|---|---|---|---|
| 1 | RJ-45 cable | No | 1.5m |
| 2 | RJ-45 cable | No | 10m |

# 3 Transmitter Test Result

## 3.1 AC Power-line Conducted Emissions

### 3.1.1 AC Power-line Conducted Emissions Limit

| AC Power-line Conducted Emissions Limit | | |
|---|---|---|
| **Frequency Emission (MHz)** | **Quasi-Peak** | **Average** |
| 0.15-0.5 | 66 - 56 * | 56 - 46 * |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |
| Note 1: * Decreases with the logarithm of the frequency. | | |

### 3.1.2 Measuring Instruments

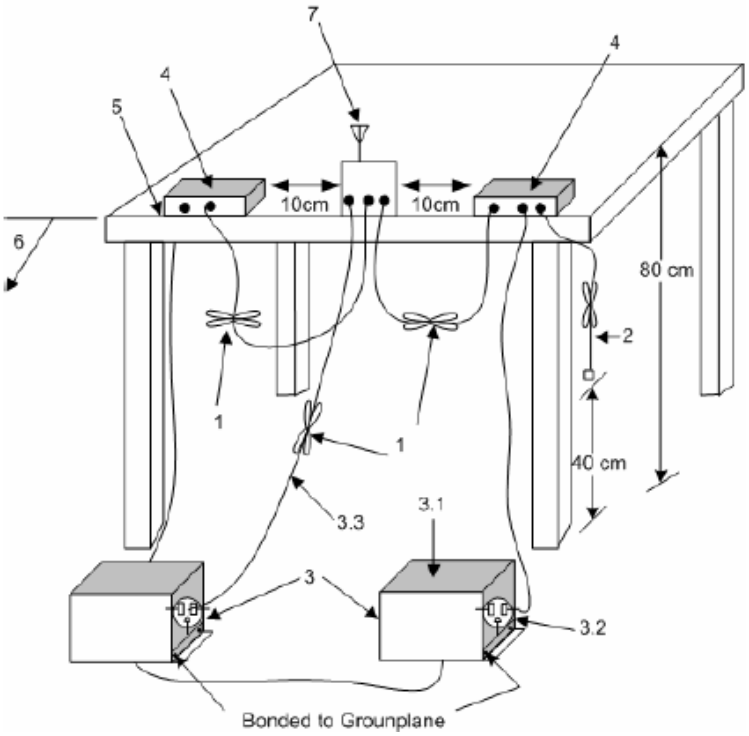
Refer a test equipment and calibration data table in this test report.

### 3.1.3 Test Procedures

| Test Method |
|---|
| ☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions. |

### 3.1.4 Test Setup

**AC Power-line Conducted Emissions**




1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

### 3.1.5 Measurement Results Calculation

The measured Level is calculated using:

a. Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level

b. Margin = -Limit + Level

### 3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

# 3.2 DTS Bandwidth

## 3.2.1 6dB Bandwidth Limit

| 6dB Bandwidth Limit |
|---|
| **Systems using digital modulation techniques:** |
| ▪ 6 dB bandwidth ≥ 500 kHz. |

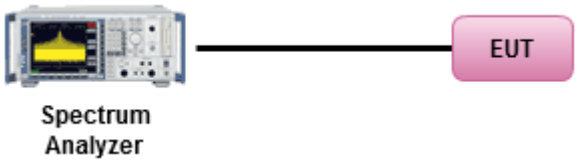
## 3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

## 3.2.3 Test Procedures

| Test Method | |
|---|---|
| ▪ For the emission bandwidth shall be measured using one of the options below: | |
| | ☒ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement. |
| | ☐ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement. |
| | ☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing. |

## 3.2.4 Test Setup

| Emission Bandwidth |
|---|
|   |

## 3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

# 3.3 Maximum Conducted Output Power

## 3.3.1 Maximum Conducted Output Power Limit

| Maximum Conducted Output Power Limit | | |
|---|---|---|
| | ▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W) | |
| | ▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)$ dBm | |
| | ▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm | |
| | ▪ Smart antenna system (SAS): | |
| | | - Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm |
| | | - Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm |
| | | - Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3 + 8$dB dBm |
| **$P_{Out}$** = maximum peak conducted output power or maximum conducted output power in dBm,<br>**$G_{TX}$** = the maximum transmitting antenna directional gain in dBi. | | |

## 3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

### 3.3.3 Test Procedures

| Test Method | |
|---|---|
| ▪ Maximum Peak Conducted Output Power | |
| | ☐ Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method). |
| | ☐ Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter). |
| ▪ Maximum Conducted Output Power | |
| | [duty cycle ≥ 98% or external video / power trigger] |
| | ☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1. |
| | ☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative) |
| | duty cycle < 98% and average over on/off periods with duty factor |
| | ☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2. |
| | ☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative) |
| | ☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3 |
| | ☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative) |
| | Measurement using a power meter (PM) |
| | ☐ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter). |
| | ☒ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter). |
| ▪ For conducted measurement. | |
| | ▪ If the EUT supports multiple transmit chains using options given below:<br>Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them. |
| | ▪ If multiple transmit chains, EIRP calculation could be following as methods:<br>$P_{total} = P_1 + P_2 + \ldots + P_n$<br>(calculated in linear unit [mW] and transfer to log unit [dBm])<br>$EIRP_{total} = P_{total} + DG$ |

### 3.3.4 Test Setup

| Maximum Conducted Output Power (Power Meter) |
| --- |
|   |

### 3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

# 3.4 Power Spectral Density

## 3.4.1 Power Spectral Density Limit

| Power Spectral Density Limit |
|---|
| ▪ Power Spectral Density (PSD) ≤ 8 dBm/3kHz |

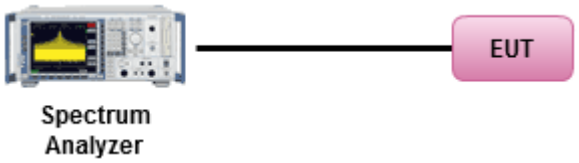
## 3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

## 3.4.3 Test Procedures

| Test Method | | | |
|---|---|---|---|
| ▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option). | | | |
| | ☒ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD. | | |
| ▪ For conducted measurement. | | | |
| | ▪ If The EUT supports multiple transmit chains using options given below: | | |
| | | ☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace. | |
| | | ☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits, | |
| | | ☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit. | |

### 3.4.4 Test Setup

| Power Spectral Density |
| --- |
|  |

### 3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

# 3.5 Emissions in Non-restricted Frequency Bands

## 3.5.1 Emissions in Non-restricted Frequency Bands Limit

| Un-restricted Band Emissions Limit | |
|---|---|
| **RF output power procedure** | **Limit (dBc)** |
| Peak output power procedure | 20 |
| Average output power procedure | 30 |

Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.

Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.

## 3.5.2 Measuring Instruments

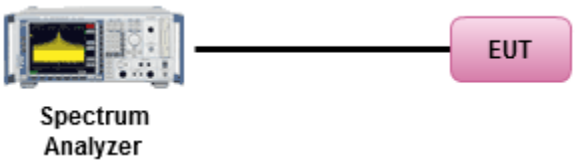
Refer a test equipment and calibration data table in this test report.

## 3.5.3 Test Procedures

| Test Method |
|---|
| ▪ Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands. |

## 3.5.4 Test Setup

**Emissions in Non-restricted Frequency Bands**




## 3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

# 3.6 Emissions in Restricted Frequency Bands

## 3.6.1 Emissions in Restricted Frequency Bands Limit

| Restricted Band Emissions Limit | | | |
|---|---|---|---|
| **Frequency Range (MHz)** | **Field Strength (uV/m)** | **Field Strength (dBuV/m)** | **Measure Distance (m)** |
| 0.009~0.490 | 2400/F(kHz) | 48.5 - 13.8 | 300 |
| 0.490~1.705 | 24000/F(kHz) | 33.8 - 23 | 30 |
| 1.705~30.0 | 30 | 29 | 30 |
| 30~88 | 100 | 40 | 3 |
| 88~216 | 150 | 43.5 | 3 |
| 216~960 | 200 | 46 | 3 |
| Above 960 | 500 | 54 | 3 |

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

## 3.6.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

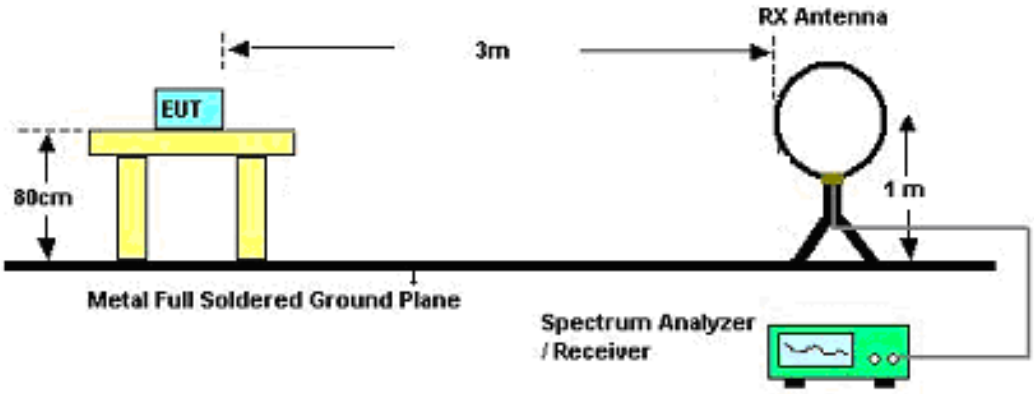
### 3.6.3 Test Procedures

| Test Method | | | |
|---|---|---|---|
| ▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor]. | | | |
| ▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band. | | | |
| ▪ For the transmitter unwanted emissions shall be measured using following options below: | | | |
| | ▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands. | | |
| | | ☐ | Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle ≥98%). |
| | | ☐ | Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor). |
| | | ☒ | Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW≥1/T). |
| | | ☐ | Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time. |
| | | ☐ | Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions. |
| | | ☒ | Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit. |
| ▪ For the transmitter band-edge emissions shall be measured using following options below: | | | |
| | ▪ Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below. | | |
| | ▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements. | | |
| | ▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz). | | |
| | ▪ For conducted unwanted emissions into restricted bands (absolute emission limits).<br>Devices with multiple transmit chains using options given below:<br>(1) Measure and sum the spectra across the outputs or<br>(2) Measure and add 10 log(N) dB | | |
| | ▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred. | | |

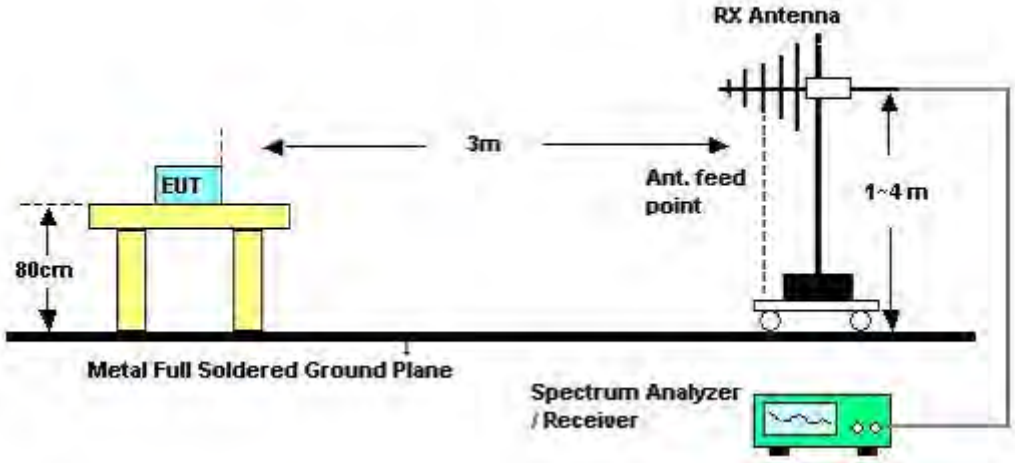
### 3.6.4 Test Setup

**Radiated - Emissions in Restricted Frequency Bands**

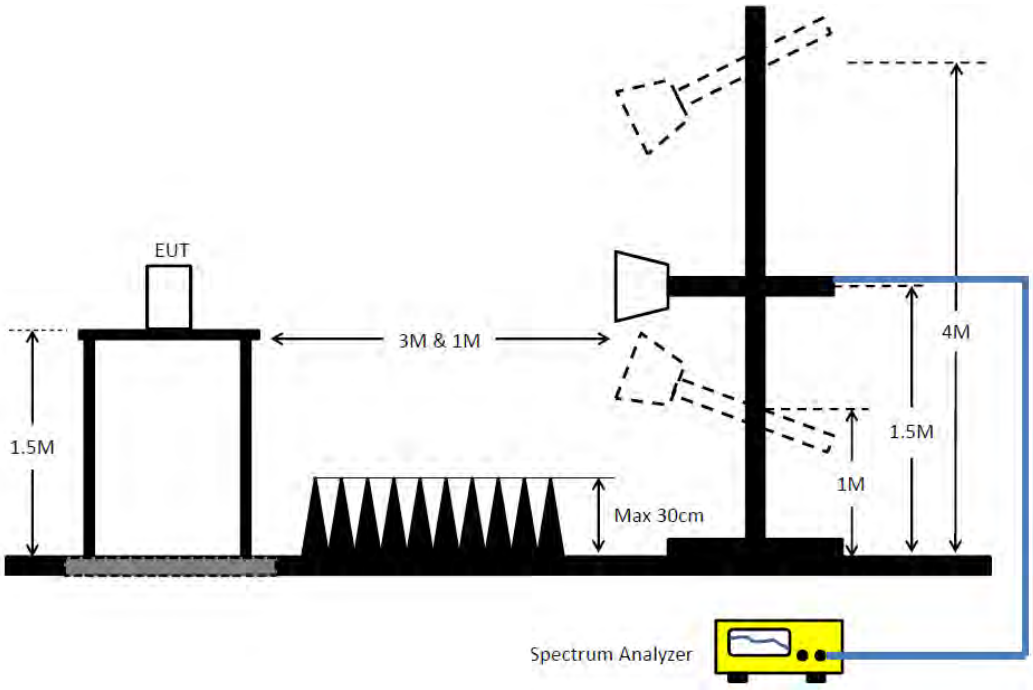
**9kHz ~30MHz**




**30MHz~1GHz**



**Above 1GHz**




### 3.6.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

### 3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

### 3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

# 4 Test Equipment and Calibration Data

| Instrument | Brand | Model No. | Serial No. | Characteristics | Calibration Date | Calibration Due Date | Remark |
|---|---|---|---|---|---|---|---|
| LISN | Schwarzbeck | NSLK 8127 | 8127650 | 9kHz ~ 30MHz | Jan. 07, 2022 | Jan. 06, 2023 | Conduction (CO02-CB) |
| LISN | Schwarzbeck | NSLK 8127 | 8127478 | 9kHz ~ 30MHz | Dec. 22, 2021 | Dec. 21, 2022 | Conduction (CO02-CB) |
| EMI Receiver | Agilent | N9038A | MY52260140 | 9kHz ~ 8.4GHz | May 06, 2022 | May 05, 2023 | Conduction (CO02-CB) |
| COND Cable | Woken | Cable | 2 | 0.15MHz ~ 30MHz | Oct. 18, 2022 | Oct. 17, 2023 | Conduction (CO02-CB) |
| Software | SPORTON | SENSE | V5.10 | - | N.C.R. | N.C.R. | Conduction (CO02-CB) |
| Pulse Limiter | Schwarzbeck | VTSD 9561F-N | 00378 | 9kHz ~ 30MHz | Oct. 18, 2022 | Oct. 17, 2023 | Conduction (CO02-CB) |
| 3m Semi Anechoic Chamber NSA | TDK | SAC-3M | 03CH05-CB | 30 MHz ~ 1 GHz | Aug. 03, 2022 | Aug. 02, 2023 | Radiation (03CH05-CB) |
| 3m Semi Anechoic Chamber VSWR | TDK | SAC-3M | 03CH05-CB | 1GHz ~18GHz 3m | Nov. 07, 2021 | Nov. 06, 2022 | Radiation (03CH05-CB) |
| 3m Semi Anechoic Chamber VSWR | TDK | SAC-3M | 03CH05-CB | 1GHz ~18GHz 3m | Nov. 06, 2022 | Nov. 05, 2023 | Radiation (03CH05-CB) |
| Bilog Antenna with 6dB Attenuator | TESEQ & EMCI | CBL 6112D & N-6-06 | 35236 & AT-N0610 | 30MHz ~ 2GHz | Mar. 25, 2022 | Mar. 24, 2023 | Radiation (03CH05-CB) |
| Horn Antenna | SCHWARZBECK | BBHA9120D | BBHA 9120 D-1291 | 1GHz~18GHz | Jun. 23, 2022 | Jun. 22, 2023 | Radiation (03CH05-CB) |
| Horn Antenna | Schwarzbeck | BBHA 9170 | BBHA9170252 | 15GHz ~ 40GHz | Aug. 22, 2022 | Aug. 21, 2023 | Radiation (03CH05-CB) |
| Pre-Amplifier | EMCI | EMC330N | 980331 | 20MHz ~ 3GHz | Apr. 26, 2022 | Apr. 25, 2023 | Radiation (03CH05-CB) |
| Pre-Amplifier | EMCI | EMC12630SE | 980287 | 1GHz – 26.5GHz | Jul. 01, 2022 | Jun. 30, 2023 | Radiation (03CH05-CB) |
| Pre-Amplifier | EM | EM18G40GA | 060874 | 18GHz ~ 40GHz | Aug. 23 2022 | Aug. 22 2023 | Radiation (03CH05-CB) |
| Spectrum Analyzer | R&S | FSP40 | 100304 | 9kHz ~ 40GHz | Mar. 14, 2022 | Mar. 13, 2023 | Radiation (03CH05-CB) |
| EMI Test Receiver | R&S | ESCS | 826547/017 | 9kHz ~ 2.75GHz | Jun. 17, 2022 | Jun. 16, 2023 | Radiation (03CH05-CB) |
| RF Cable-low | Woken | RG402 | Low Cable-04+23 | 30MHz~1GHz | Oct. 13, 2021 | Oct. 12, 2022 | Radiation (03CH05-CB) |
| RF Cable-low | Woken | RG402 | Low Cable-04+23 | 30MHz~1GHz | Oct. 03, 2022 | Oct. 02, 2023 | Radiation (03CH05-CB) |
| RF Cable-high | Woken | RG402 | High Cable-28 | 1GHz~18GHz | Oct. 13, 2021 | Oct. 12, 2022 | Radiation (03CH05-CB) |

| Instrument | Brand | Model No. | Serial No. | Characteristics | Calibration Date | Calibration Due Date | Remark |
|---|---|---|---|---|---|---|---|
| RF Cable-high | Woken | RG402 | High Cable-28 | 1GHz~18GHz | Oct. 03, 2022 | Oct. 02, 2023 | Radiation (03CH05-CB) |
| RF Cable-high | Woken | RG402 | High Cable-04+28 | 1GHz~18GHz | Oct. 13, 2021 | Oct. 12, 2022 | Radiation (03CH05-CB) |
| RF Cable-high | Woken | RG402 | High Cable-04+28 | 1GHz~18GHz | Oct. 03, 2022 | Oct. 02, 2023 | Radiation (03CH05-CB) |
| High Cable | Woken | WCA0929M | 40G#5+7 | 1GHz ~ 40 GHz | Dec. 14, 2021 | Dec. 13, 2022 | Radiation (03CH05-CB) |
| High Cable | Woken | WCA0929M | 40G#5 | 1GHz ~ 40 GHz | Dec. 08, 2021 | Dec. 07, 2022 | Radiation (03CH05-CB) |
| High Cable | Woken | WCA0929M | 40G#7 | 1GHz ~ 40 GHz | Dec. 14, 2021 | Dec. 13, 2022 | Radiation (03CH05-CB) |
| Test Software | SPORTON | SENSE | V5.10 | - | N.C.R. | N.C.R. | Radiation (03CH05-CB) |
| 3m Semi Anechoic Chamber VSWR | TDK | SAC-3M | 03CH01-CB | 1GHz ~18GHz 3m | May 06, 2022 | May 05, 2023 | Radiation (03CH01-CB) |
| Horn Antenna | SCHWARZBECK | BBHA 9120 D | BBHA 9120 D 1370 | 1GHz~18GHz | Jun. 23, 2022 | Jun. 22, 2023 | Radiation (03CH01-CB) |
| Horn Antenna | ETS-LINDGREN | 3115 | 00075790 | 750MHz ~ 18GHz | Nov. 04, 2022 | Nov. 03, 2023 | Radiation (03CH01-CB) |
| Horn Antenna | Schwarzbeck | BBHA 9170 | BBHA9170252 | 15GHz ~ 40GHz | Aug. 22, 2022 | Aug. 21, 2023 | Radiation (03CH01-CB) |
| Pre-Amplifier | Agilent | 8449B | 3008A02121 | 1GHz ~ 26.5GHz | May 19, 2022 | May 18, 2023 | Radiation (03CH01-CB) |
| Pre-Amplifier | MITEQ | TTA1840-35-HG | 1864479 | 18GHz ~ 40GHz | Jul. 20, 2022 | Jul. 19, 2023 | Radiation (03CH01-CB) |
| Pre-Amplifier | EM | EM18G40GA | 060874 | 18GHz ~ 40GHz | Aug. 23 2022 | Aug. 22 2023 | Radiation (03CH01-CB) |
| Spectrum Analyzer | R&S | FSP40 | 100056 | 9kHz ~ 40GHz | May 06, 2022 | May 05, 2023 | Radiation (03CH01-CB) |
| RF Cable-high | Woken | RG402 | High Cable-16 | 1 GHz ~ 18 GHz | Oct. 03, 2022 | Oct. 02, 2023 | Radiation (03CH01-CB) |
| RF Cable-high | Woken | RG402 | High Cable-16+17 | 1 GHz ~ 18 GHz | Oct. 03, 2022 | Oct. 02, 2023 | Radiation (03CH01-CB) |
| High Cable | Woken | WCA0929M | 40G#5+7 | 1GHz ~ 40 GHz | Dec. 14, 2021 | Dec. 13, 2022 | Radiation (03CH01-CB) |
| High Cable | Woken | WCA0929M | 40G#5 | 1GHz ~ 40 GHz | Dec. 08, 2021 | Dec. 07, 2022 | Radiation (03CH01-CB) |
| High Cable | Woken | WCA0929M | 40G#7 | 1GHz ~ 40 GHz | Dec. 14, 2021 | Dec. 13, 2022 | Radiation (03CH01-CB) |
| Test Software | SPORTON | SENSE | V5.10 | - | N.C.R. | N.C.R. | Radiation (03CH01-CB) |
| 3m Semi Anechoic Chamber VSWR | RIKEN | SAC-3M | 03CH02-CB | 1GHz ~18GHz | Mar. 26, 2022 | Mar. 25, 2023 | Radiation (03CH02-CB) |
| Horn Antenna | EMCO | 3115 | 9610-4976 | 1GHz ~ 18GHz | Apr. 19, 2022 | Apr. 18, 2023 | Radiation (03CH02-CB) |

| Instrument | Brand | Model No. | Serial No. | Characteristics | Calibration Date | Calibration Due Date | Remark |
|---|---|---|---|---|---|---|---|
| Horn Antenna | Schwarzbeck | BBHA 9170 | BBHA9170252 | 15GHz ~ 40GHz | Aug. 22, 2022 | Aug. 21, 2023 | Radiation (03CH02-CB) |
| Pre-Amplifier | Agilent | 83017A | MY39501305 | 1GHz ~ 26.5GHz | Jul. 01, 2022 | Jun. 30, 2023 | Radiation (03CH02-CB) |
| Spectrum analyzer | R&S | FSP | 100593 | 9kHz~40GHz | Apr. 08, 2022 | Apr. 07, 2023 | Radiation (03CH02-CB) |
| Pre-Amplifier | MITEQ | TTA1840-35-H G | 1864479 | 18GHz ~ 40GHz | Jul. 20, 2022 | Jul. 19, 2023 | Radiation (03CH02-CB) |
| Pre-Amplifier | EM | EM18G40GA | 060874 | 18GHz ~ 40GHz | Aug. 23 2022 | Aug. 22 2023 | Radiation (03CH02-CB) |
| RF Cable-high | Woken | RG402 | High Cable-18 | 1GHz ~ 18GHz | Oct. 03, 2022 | Oct. 02, 2023 | Radiation (03CH02-CB) |
| RF Cable-high | Woken | RG402 | High Cable-18+19 | 1GHz ~ 18GHz | Oct. 03, 2022 | Oct. 02, 2023 | Radiation (03CH02-CB) |
| Test Software | SPORTON | SENSE | V5.10 | - | N.C.R. | N.C.R. | Radiation (03CH02-CB) |
| Spectrum analyzer | R&S | FSV40 | 101028 | 9kHz~40GHz | Jan. 07, 2022 | Jan. 06, 2023 | Conducted (TH03-CB) |
| Power Sensor | Anritsu | MA2411B | 1531344 | 300MHz~40GHz | Jul. 31, 2022 | Jul. 30, 2023 | Conducted (TH03-CB) |
| Power Meter | Anritsu | ML2495A | 1728002 | 300MHz~40GHz | Jul. 31, 2022 | Jul. 30, 2023 | Conducted (TH03-CB) |
| RF Cable-high | Woken | RG402 | High Cable-11 | 1 GHz –18 GHz | Oct. 03, 2022 | Oct. 02, 2023 | Conducted (TH03-CB) |
| RF Cable-high | Woken | RG402 | High Cable-12 | 1 GHz –18 GHz | Oct. 03, 2022 | Oct. 02, 2023 | Conducted (TH03-CB) |
| RF Cable-high | Woken | RG402 | High Cable-13 | 1 GHz –18 GHz | Oct. 03, 2022 | Oct. 02, 2023 | Conducted (TH03-CB) |
| RF Cable-high | Woken | RG402 | High Cable-14 | 1 GHz –18 GHz | Oct. 03, 2022 | Oct. 02, 2023 | Conducted (TH03-CB) |
| RF Cable-high | Woken | RG402 | High Cable-15 | 1 GHz –18 GHz | Oct. 03, 2022 | Oct. 02, 2023 | Conducted (TH03-CB) |
| Switch | SPTCB | SP-SWI | SWI-03 | 1 GHz –26.5 GHz | Oct. 04, 2022 | Oct. 03, 2023 | Conducted (TH03-CB) |

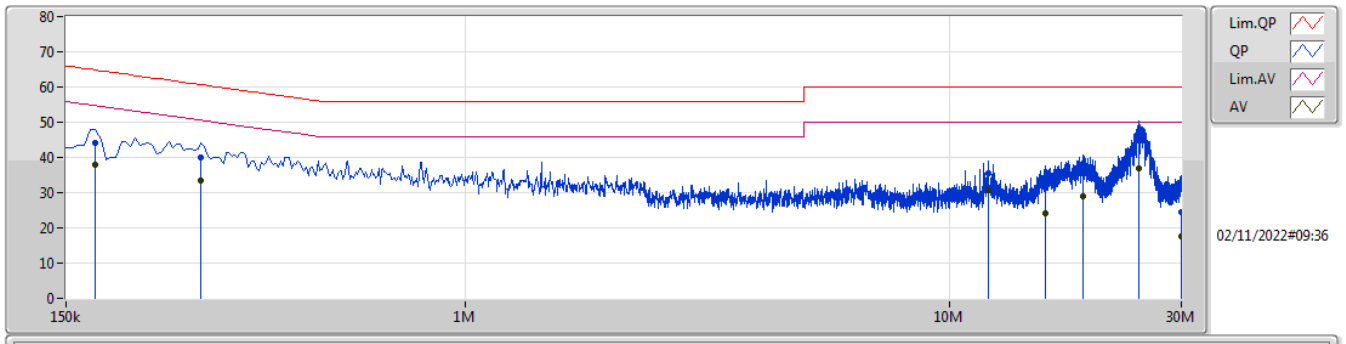
Note: Calibration Interval of instruments listed above is one year.

N.C.R. means Non-Calibration required.

Summary

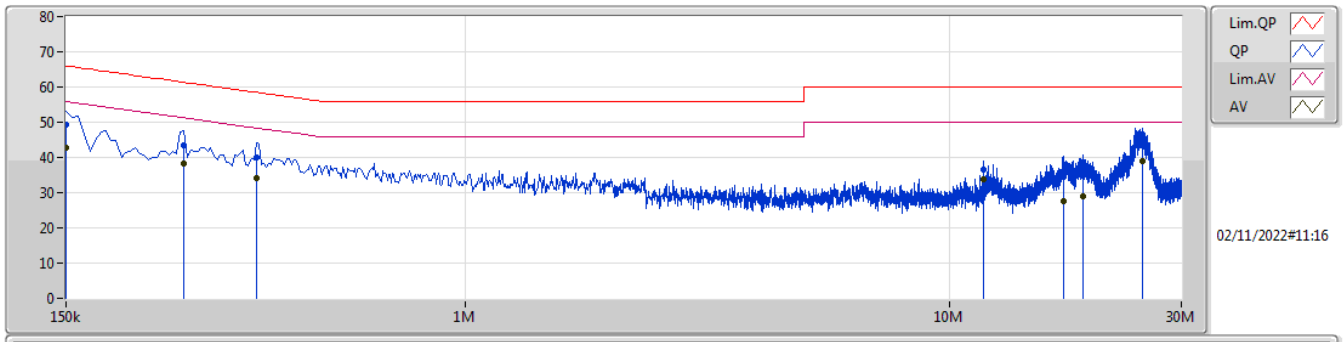
| Mode | Result | Type | Freq (Hz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Condition |
|---|---|---|---|---|---|---|---|
| Mode 1 | Pass | AV | 24.923M | 38.99 | 50.00 | -11.01 | Neutral |

## Mode 1




| Type | Freq | Level | Limit | Margin | Factor | Condition | Comment | Raw | LISN | CL | AT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV) | (dBuV) | (dB) | (dB) | | | (dBuV) | (dB) | (dB) | (dB) |
| QP | 172.5k | 44.04 | 64.83 | -20.79 | 10.30 | Line | - | 33.74 | 0.12 | 0.10 | 10.08 |
| AV | 172.5k | 37.91 | 54.83 | -16.92 | 10.30 | Line | - | 27.61 | 0.12 | 0.10 | 10.08 |
| QP | 285k | 40.10 | 60.67 | -20.57 | 10.28 | Line | - | 29.82 | 0.12 | 0.13 | 10.03 |
| AV | 285k | 33.29 | 50.67 | -17.38 | 10.28 | Line | - | 23.01 | 0.12 | 0.13 | 10.03 |
| QP | 12.003M | 35.36 | 60.00 | -24.64 | 10.52 | Line | - | 24.84 | 0.35 | 0.23 | 9.94 |
| AV | 12.003M | 30.58 | 50.00 | -19.42 | 10.52 | Line | - | 20.06 | 0.35 | 0.23 | 9.94 |
| QP | 15.734M | 31.39 | 60.00 | -28.61 | 10.59 | Line | - | 20.80 | 0.37 | 0.25 | 9.97 |
| AV | 15.734M | 24.28 | 50.00 | -25.72 | 10.59 | Line | - | 13.69 | 0.37 | 0.25 | 9.97 |
| QP | 18.758M | 36.16 | 60.00 | -23.84 | 10.66 | Line | - | 25.50 | 0.38 | 0.26 | 10.02 |
| AV | 18.758M | 28.91 | 50.00 | -21.09 | 10.66 | Line | - | 18.25 | 0.38 | 0.26 | 10.02 |
| QP | 24.482M | 45.28 | 60.00 | -14.72 | 10.76 | Line | - | 34.52 | 0.40 | 0.27 | 10.09 |
| AV | 24.482M | 36.89 | 50.00 | -13.11 | 10.76 | Line | "Worst" | 26.13 | 0.40 | 0.27 | 10.09 |
| QP | 29.958M | 24.57 | 60.00 | -35.43 | 10.58 | Line | - | 13.99 | 0.42 | 0.27 | 9.89 |
| AV | 29.958M | 17.60 | 50.00 | -32.40 | 10.58 | Line | - | 7.02 | 0.42 | 0.27 | 9.89 |

## Mode 1




| Type | Freq | Level | Limit | Margin | Factor | Condition | Comment | Raw | LISN | CL | AT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV) | (dBuV) | (dB) | (dB) | | | (dBuV) | (dB) | (dB) | (dB) |
| QP | 150k | 49.16 | 66.00 | -16.84 | 10.33 | Neutral | - | 38.83 | 0.16 | 0.08 | 10.09 |
| AV | 150k | 42.60 | 56.00 | -13.40 | 10.33 | Neutral | - | 32.27 | 0.16 | 0.08 | 10.09 |
| QP | 262.5k | 43.51 | 61.35 | -17.84 | 10.33 | Neutral | - | 33.18 | 0.16 | 0.13 | 10.04 |
| AV | 262.5k | 38.29 | 51.35 | -13.06 | 10.33 | Neutral | - | 27.96 | 0.16 | 0.13 | 10.04 |
| QP | 370.5k | 39.98 | 58.49 | -18.51 | 10.33 | Neutral | - | 29.65 | 0.16 | 0.15 | 10.02 |
| AV | 370.5k | 34.07 | 48.49 | -14.42 | 10.33 | Neutral | - | 23.74 | 0.16 | 0.15 | 10.02 |
| QP | 11.751M | 36.59 | 60.00 | -23.41 | 10.47 | Neutral | - | 26.12 | 0.30 | 0.23 | 9.94 |
| AV | 11.751M | 33.87 | 50.00 | -16.13 | 10.47 | Neutral | - | 23.40 | 0.30 | 0.23 | 9.94 |
| QP | 17.102M | 34.51 | 60.00 | -25.49 | 10.56 | Neutral | - | 23.95 | 0.31 | 0.25 | 10.00 |
| AV | 17.102M | 27.65 | 50.00 | -22.35 | 10.56 | Neutral | - | 17.09 | 0.31 | 0.25 | 10.00 |
| QP | 18.839M | 36.09 | 60.00 | -23.91 | 10.60 | Neutral | - | 25.49 | 0.32 | 0.26 | 10.02 |
| AV | 18.839M | 28.97 | 50.00 | -21.03 | 10.60 | Neutral | - | 18.37 | 0.32 | 0.26 | 10.02 |
| QP | 24.923M | 45.44 | 60.00 | -14.56 | 10.72 | Neutral | - | 34.72 | 0.35 | 0.27 | 10.10 |
| AV | 24.923M | 38.99 | 50.00 | -11.01 | 10.72 | Neutral | "Worst" | 28.27 | 0.35 | 0.27 | 10.10 |

Summary

| Mode | Max-N dB (Hz) | Max-OBW (Hz) | ITU-Code | Min-N dB (Hz) | Min-OBW (Hz) |
|---|---|---|---|---|---|
| 2.4-2.4835GHz | - | - | - | - | - |
| 802.11b_Nss1,(1Mbps)_4TX | 8.525M | 13.968M | 14M0G1D | 7.025M | 12.794M |
| 802.11g_Nss1,(6Mbps)_4TX | 16.325M | 18.441M | 18M4D1D | 15.05M | 16.242M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 18.95M | 19.24M | 19M2D1D | 16.525M | 18.866M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 37.95M | 37.981M | 38M0D1D | 29.65M | 37.381M |

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

Result

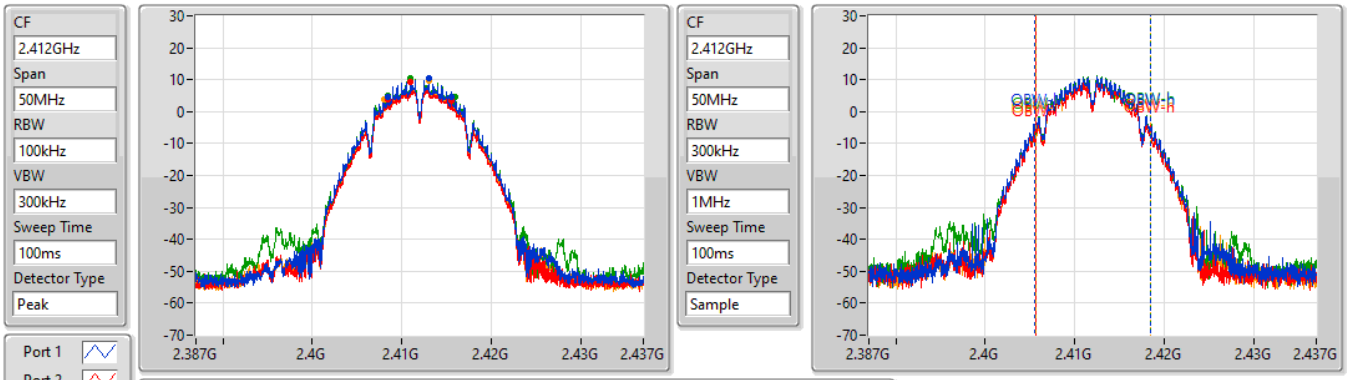
| Mode | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) | Port 3-N dB (Hz) | Port 3-OBW (Hz) | Port 4-N dB (Hz) | Port 4-OBW (Hz) |
|---|---|---|---|---|---|---|---|---|---|---|
| 802.11b_Nss1,(1Mbps)_4TX | - | - | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 500k | 7.05M | 12.944M | 7.05M | 12.794M | 7.525M | 12.844M | 7.55M | 12.844M |
| 2437MHz | Pass | 500k | 8.525M | 13.968M | 7.575M | 13.193M | 7.525M | 13.943M | 7.025M | 13.818M |
| 2462MHz | Pass | 500k | 7.55M | 13.143M | 7.05M | 12.944M | 7.525M | 13.018M | 7.05M | 12.994M |
| 802.11g_Nss1,(6Mbps)_4TX | - | - | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 500k | 16.025M | 16.492M | 15.7M | 16.492M | 16.325M | 16.492M | 16.3M | 16.417M |
| 2437MHz | Pass | 500k | 16.3M | 18.441M | 15.7M | 16.942M | 16.3M | 18.341M | 16.325M | 16.942M |
| 2462MHz | Pass | 500k | 15.05M | 16.242M | 15.675M | 16.542M | 16.3M | 16.517M | 16.325M | 16.417M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 500k | 18.7M | 18.916M | 18.8M | 19.015M | 18.4M | 18.866M | 18.85M | 18.941M |
| 2437MHz | Pass | 500k | 16.525M | 19.24M | 18.625M | 19.215M | 18.425M | 19.19M | 18.775M | 19.165M |
| 2462MHz | Pass | 500k | 18.95M | 18.991M | 18.3M | 19.065M | 18.5M | 18.916M | 18.875M | 18.966M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 2422MHz | Pass | 500k | 35.8M | 37.531M | 32.1M | 37.531M | 37.95M | 37.881M | 37.95M | 37.931M |
| 2437MHz | Pass | 500k | 34.55M | 37.381M | 29.65M | 37.481M | 36.8M | 37.931M | 37.8M | 37.981M |
| 2452MHz | Pass | 500k | 35.25M | 37.481M | 30.9M | 37.431M | 37.7M | 37.881M | 37.85M | 37.931M |

Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

## 802.11b_Nss1,(1Mbps)_4TX EBW

### 2412MHz

13/10/2022

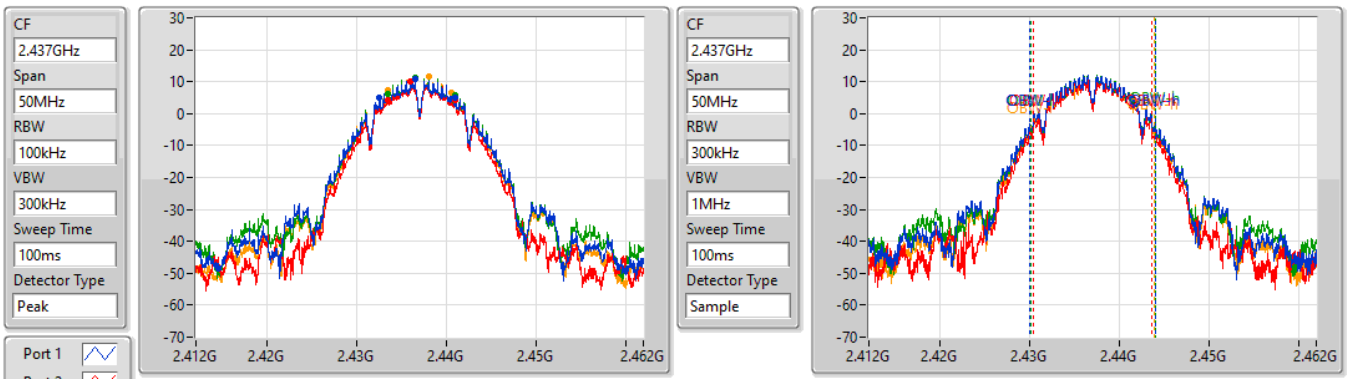



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 7.05M | 2.408475G | 2.415525G | 12.944M | 2.405528G | 2.418472G | 500k | 1 |
| 7.05M | 2.408475G | 2.415525G | 12.794M | 2.405628G | 2.418422G | 500k | 2 |
| 7.525M | 2.408475G | 2.416G | 12.844M | 2.405628G | 2.418472G | 500k | 3 |
| 7.55M | 2.407975G | 2.415525G | 12.844M | 2.405603G | 2.418447G | 500k | 4 |

## 802.11b_Nss1,(1Mbps)_4TX EBW

### 2437MHz

13/10/2022

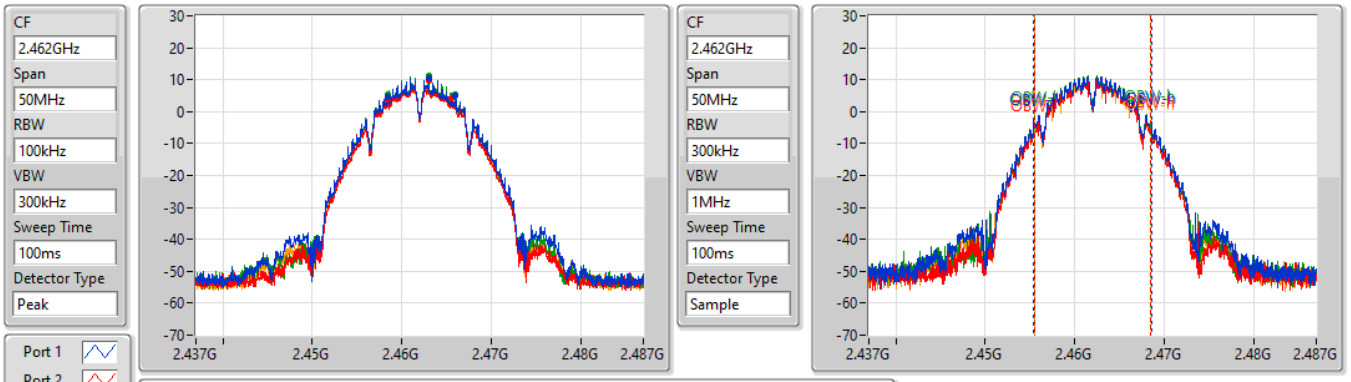



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 8.525M | 2.4325G | 2.441025G | 13.968M | 2.430003G | 2.443972G | 500k | 1 |
| 7.575M | 2.43345G | 2.441025G | 13.193M | 2.430403G | 2.443597G | 500k | 2 |
| 7.525M | 2.433475G | 2.441G | 13.943M | 2.430053G | 2.443997G | 500k | 3 |
| 7.025M | 2.4335G | 2.440525G | 13.818M | 2.430128G | 2.443947G | 500k | 4 |

## 802.11b_Nss1,(1Mbps)_4TX EBW

### 2462MHz

13/10/2022

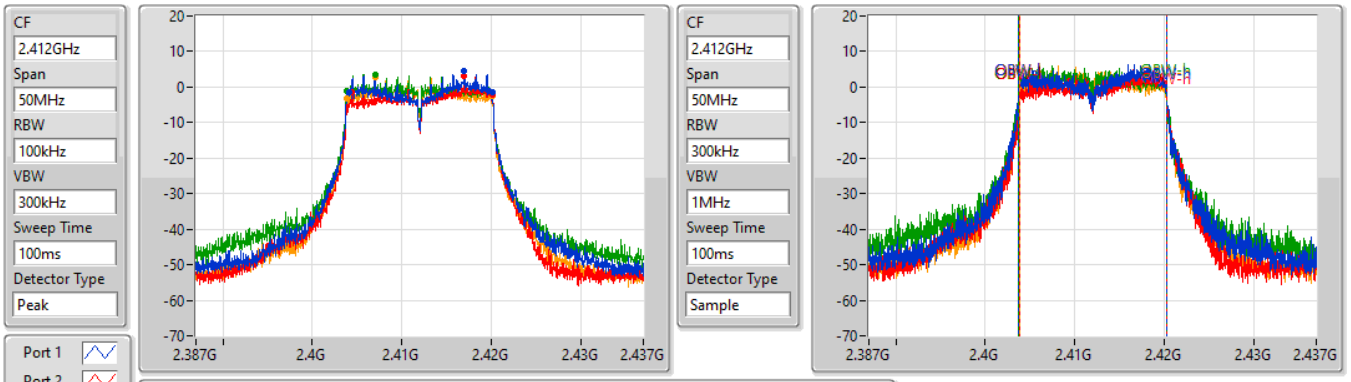



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 7.55M | 2.458475G | 2.466025G | 13.143M | 2.455428G | 2.468572G | 500k | 1 |
| 7.05M | 2.458475G | 2.465525G | 12.944M | 2.455528G | 2.468472G | 500k | 2 |
| 7.525M | 2.458475G | 2.466G | 13.018M | 2.455503G | 2.468522G | 500k | 3 |
| 7.05M | 2.458475G | 2.465525G | 12.994M | 2.455503G | 2.468497G | 500k | 4 |

## 802.11g_Nss1,(6Mbps)_4TX EBW

### 2412MHz

13/10/2022

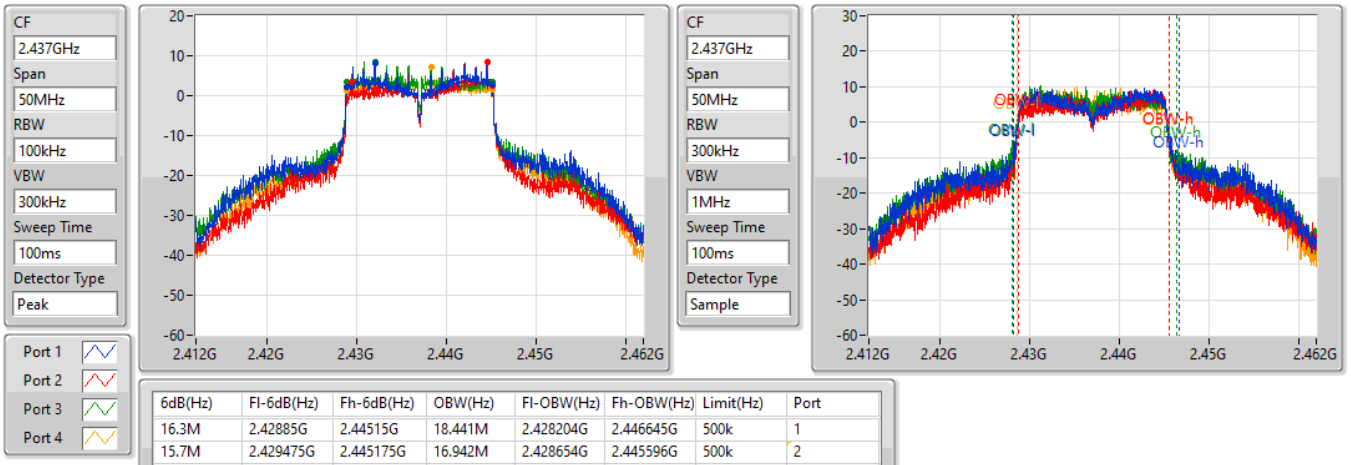



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.025M | 2.404125G | 2.42015G | 16.492M | 2.403754G | 2.420246G | 500k | 1 |
| 15.7M | 2.404475G | 2.420175G | 16.492M | 2.403829G | 2.420321G | 500k | 2 |
| 16.325M | 2.40385G | 2.420175G | 16.492M | 2.403729G | 2.420221G | 500k | 3 |
| 16.3M | 2.40385G | 2.42015G | 16.417M | 2.403804G | 2.420221G | 500k | 4 |

## 802.11g_Nss1,(6Mbps)_4TX EBW

## 2437MHz

13/10/2022

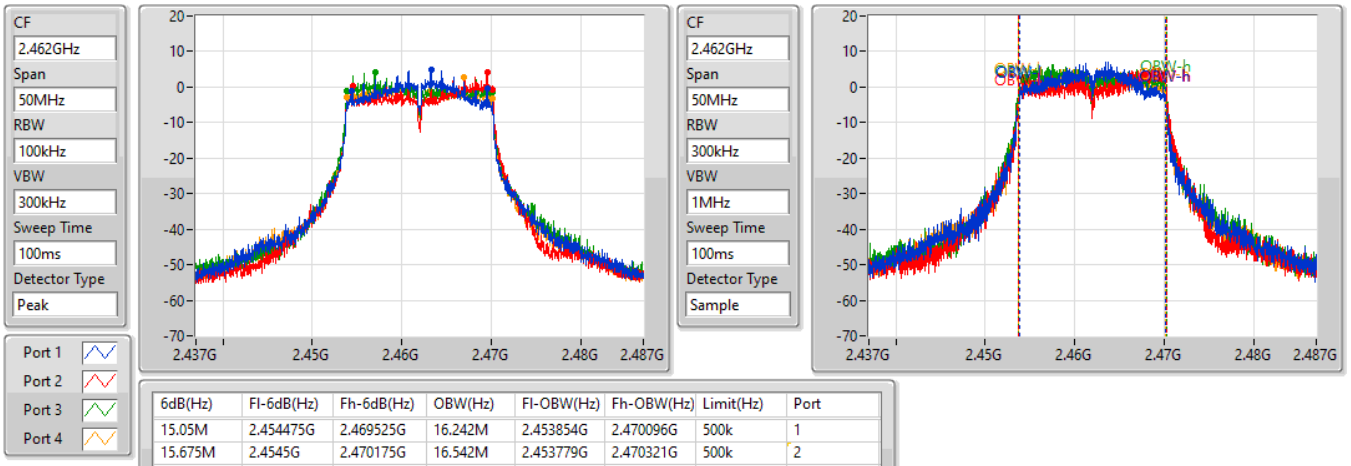



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.3M | 2.42885G | 2.44515G | 18.441M | 2.428204G | 2.446645G | 500k | 1 |
| 15.7M | 2.429475G | 2.445175G | 16.942M | 2.428654G | 2.445596G | 500k | 2 |
| 16.3M | 2.42885G | 2.44515G | 18.341M | 2.428054G | 2.446395G | 500k | 3 |
| 16.325M | 2.42885G | 2.445175G | 16.942M | 2.428579G | 2.445521G | 500k | 4 |

## 802.11g_Nss1,(6Mbps)_4TX EBW

## 2462MHz

13/10/2022

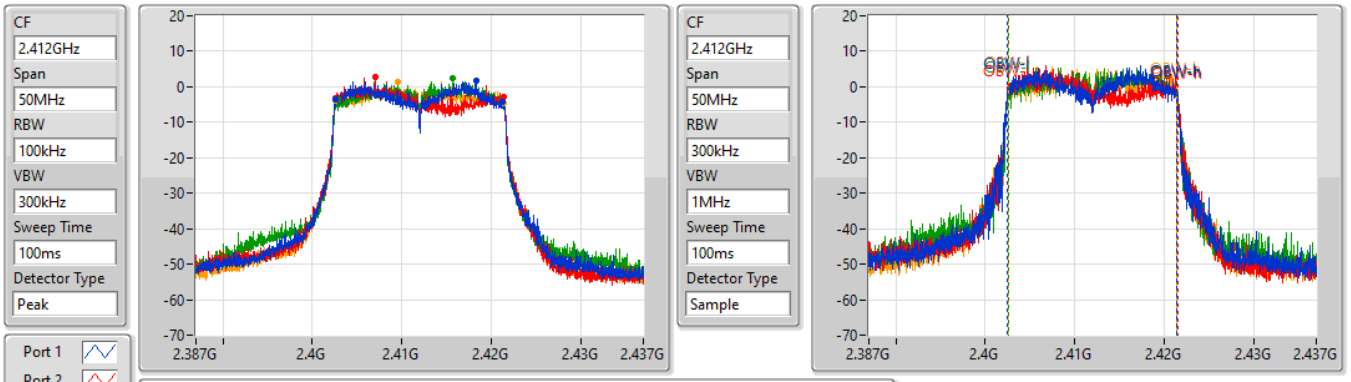



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 15.05M | 2.454475G | 2.469525G | 16.242M | 2.453854G | 2.470096G | 500k | 1 |
| 15.675M | 2.4545G | 2.470175G | 16.542M | 2.453779G | 2.470321G | 500k | 2 |
| 16.3M | 2.45385G | 2.47015G | 16.517M | 2.453729G | 2.470246G | 500k | 3 |
| 16.325M | 2.45385G | 2.470175G | 16.417M | 2.453779G | 2.470196G | 500k | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 2412MHz

13/10/2022

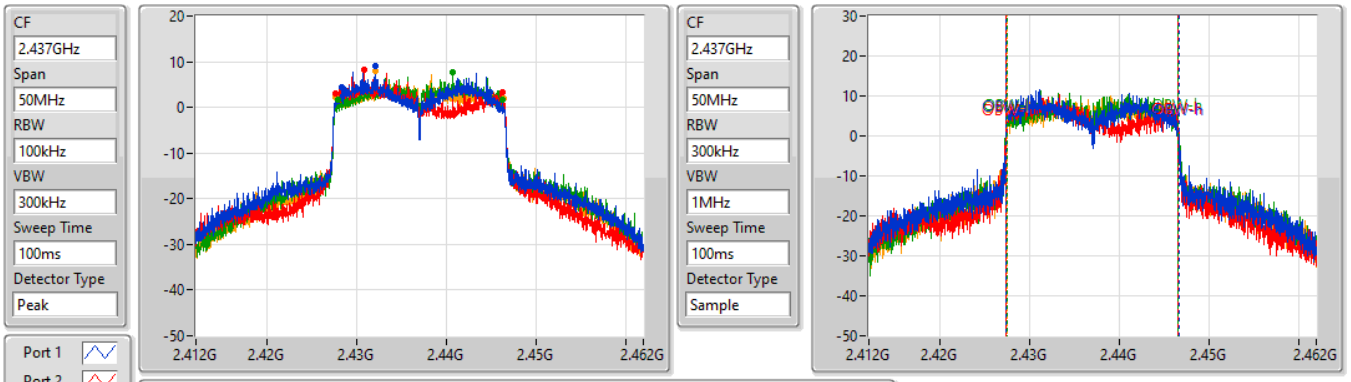



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 18.7M | 2.402575G | 2.421275G | 18.916M | 2.402505G | 2.42142G | 500k | 1 |
| 18.8M | 2.4026G | 2.4214G | 19.015M | 2.40248G | 2.421495G | 500k | 2 |
| 18.4M | 2.402875G | 2.421275G | 18.866M | 2.40258G | 2.421445G | 500k | 3 |
| 18.85M | 2.4026G | 2.42145G | 18.941M | 2.40253G | 2.42147G | 500k | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 2437MHz

13/10/2022

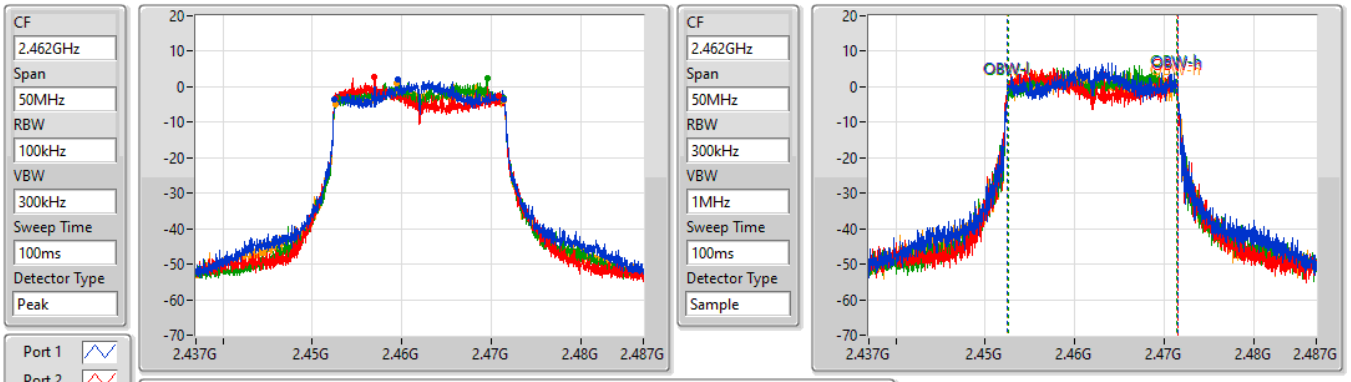



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.525M | 2.428275G | 2.4448G | 19.24M | 2.42738G | 2.44662G | 500k | 1 |
| 18.625M | 2.427625G | 2.44625G | 19.215M | 2.42738G | 2.446595G | 500k | 2 |
| 18.425M | 2.42785G | 2.446275G | 19.19M | 2.427405G | 2.446595G | 500k | 3 |
| 18.775M | 2.427625G | 2.4464G | 19.165M | 2.42743G | 2.446595G | 500k | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 2462MHz

13/10/2022

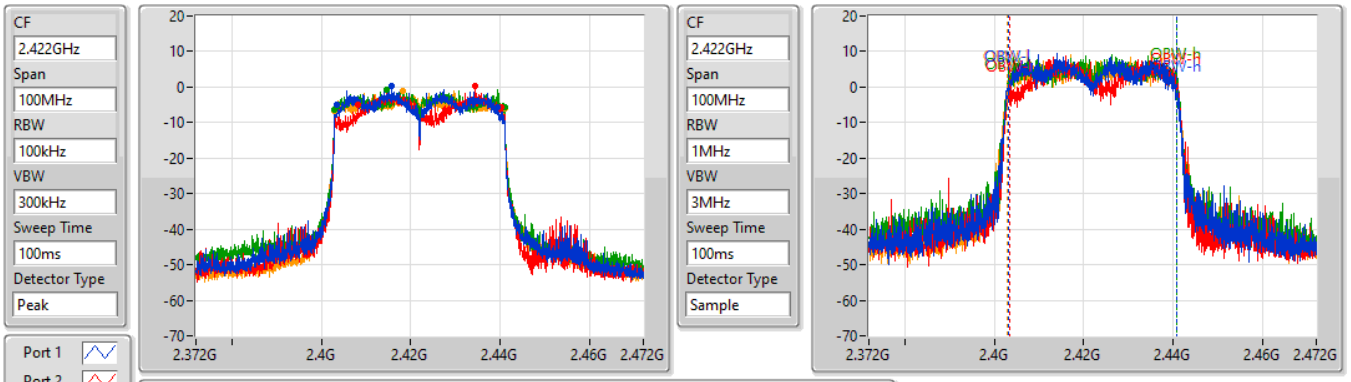



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 18.95M | 2.4525G | 2.47145G | 18.991M | 2.452505G | 2.471495G | 500k | 1 |
| 18.3M | 2.452575G | 2.470875G | 19.065M | 2.45243G | 2.471495G | 500k | 2 |
| 18.5M | 2.4529G | 2.4714G | 18.916M | 2.452555G | 2.47147G | 500k | 3 |
| 18.875M | 2.452575G | 2.47145G | 18.966M | 2.452505G | 2.47147G | 500k | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 2422MHz

13/10/2022

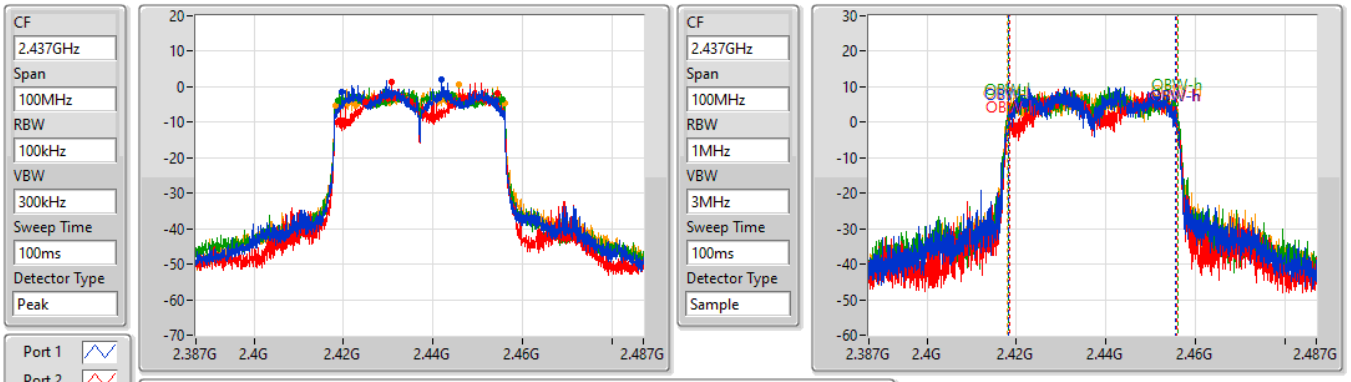



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 35.8M | 2.4036G | 2.4394G | 37.531M | 2.403159G | 2.440691G | 500k | 1 |
| 32.1M | 2.4082G | 2.4403G | 37.531M | 2.403409G | 2.440941G | 500k | 2 |
| 37.95M | 2.40305G | 2.441G | 37.881M | 2.403059G | 2.440941G | 500k | 3 |
| 37.95M | 2.40305G | 2.441G | 37.931M | 2.403009G | 2.440941G | 500k | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 2437MHz

13/10/2022

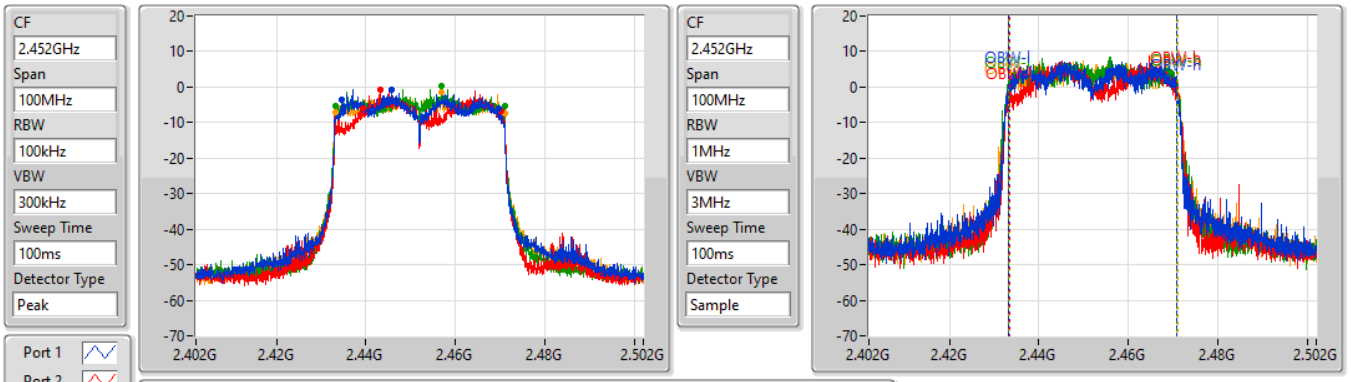



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 34.55M | 2.41965G | 2.4542G | 37.381M | 2.418259G | 2.455641G | 500k | 1 |
| 29.65M | 2.42485G | 2.4545G | 37.481M | 2.418409G | 2.455891G | 500k | 2 |
| 36.8M | 2.4188G | 2.4556G | 37.931M | 2.418059G | 2.455991G | 500k | 3 |
| 37.8M | 2.41815G | 2.45595G | 37.981M | 2.418009G | 2.455991G | 500k | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 2452MHz

13/10/2022




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 35.25M | 2.4345G | 2.46975G | 37.481M | 2.433209G | 2.470691G | 500k | 1 |
| 30.9M | 2.4394G | 2.4703G | 37.431M | 2.433459G | 2.470891G | 500k | 2 |
| 37.7M | 2.43325G | 2.47095G | 37.881M | 2.433059G | 2.470941G | 500k | 3 |
| 37.85M | 2.4331G | 2.47095G | 37.931M | 2.433059G | 2.470991G | 500k | 4 |

Summary

| Mode | Max-N dB (Hz) | Max-OBW (Hz) | ITU-Code | Min-N dB (Hz) | Min-OBW (Hz) |
|---|---|---|---|---|---|
| 2.4-2.4835GHz | - | - | - | - | - |
| 802.11b_Nss1,(1Mbps)_4TX | 8.525M | 13.918M | 13M9G1D | 7.05M | 12.794M |
| 802.11g_Nss1,(6Mbps)_4TX | 16.35M | 16.588M | 16M6D1D | 15.725M | 16.354M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 18.9M | 19.076M | 19M1D1D | 17.025M | 18.807M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 38.1M | 37.711M | 37M7D1D | 29.85M | 37.221M |

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

Result

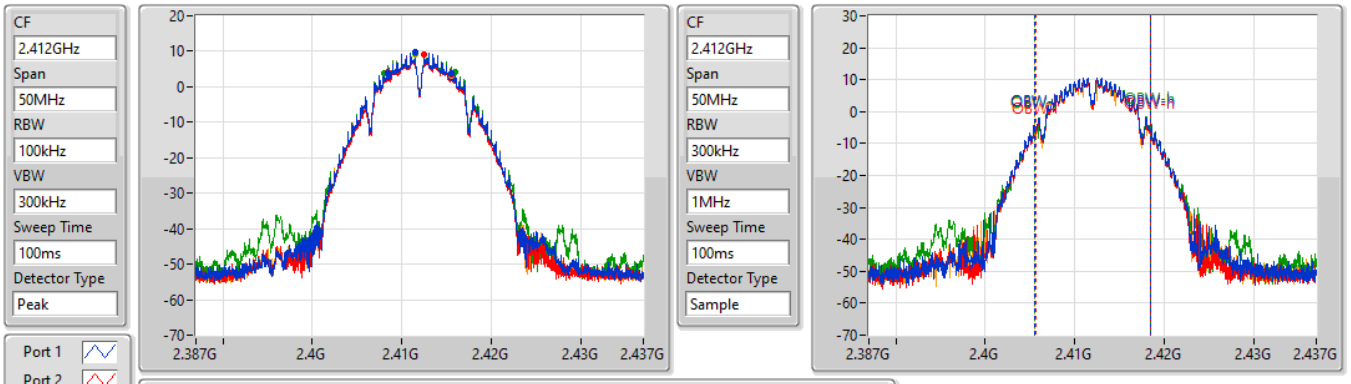
| Mode | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) | Port 3-N dB (Hz) | Port 3-OBW (Hz) | Port 4-N dB (Hz) | Port 4-OBW (Hz) |
|---|---|---|---|---|---|---|---|---|---|---|
| 802.11b_Nss1,(1Mbps)_4TX | - | - | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 500k | 7.1M | 12.919M | 7.075M | 12.794M | 8.025M | 12.919M | 7.075M | 12.919M |
| 2437MHz | Pass | 500k | 8.525M | 13.918M | 7.525M | 13.093M | 8.05M | 13.918M | 7.05M | 13.318M |
| 2462MHz | Pass | 500k | 7.575M | 13.193M | 7.075M | 12.994M | 8.05M | 13.168M | 7.575M | 13.018M |
| 802.11g_Nss1,(6Mbps)_4TX | - | - | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 500k | 15.9M | 16.418M | 15.725M | 16.439M | 16.35M | 16.439M | 16.325M | 16.354M |
| 2437MHz | Pass | 500k | 16.25M | 16.567M | 15.725M | 16.545M | 16.325M | 16.588M | 15.925M | 16.439M |
| 2462MHz | Pass | 500k | 16.3M | 16.461M | 15.95M | 16.503M | 16.325M | 16.439M | 16.3M | 16.376M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 500k | 18.325M | 18.88M | 18.875M | 19.002M | 17.025M | 18.856M | 18.9M | 18.905M |
| 2437MHz | Pass | 500k | 17.125M | 18.978M | 18.625M | 19.076M | 18.35M | 18.929M | 18.9M | 19.002M |
| 2462MHz | Pass | 500k | 18.15M | 18.807M | 18.75M | 19.002M | 18.275M | 18.856M | 18.85M | 18.929M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 2422MHz | Pass | 500k | 36.2M | 37.319M | 29.85M | 37.368M | 37.7M | 37.711M | 38.1M | 37.711M |
| 2437MHz | Pass | 500k | 35.1M | 37.27M | 31.35M | 37.221M | 37.95M | 37.711M | 37.45M | 37.711M |
| 2452MHz | Pass | 500k | 35M | 37.319M | 31.15M | 37.319M | 37.4M | 37.711M | 37.65M | 37.711M |

Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

## 802.11b_Nss1,(1Mbps)_4TX EBW

### 2412MHz

19/10/2022

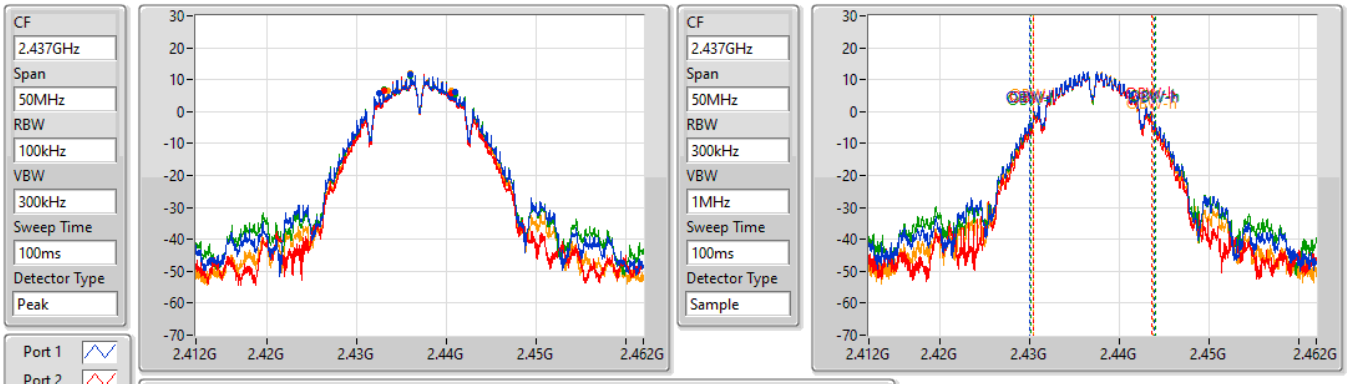



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 7.1M | 2.40845G | 2.41555G | 12.919M | 2.405528G | 2.418447G | 500k | 1 |
| 7.075M | 2.408475G | 2.41555G | 12.794M | 2.405653G | 2.418447G | 500k | 2 |
| 8.025M | 2.408G | 2.416025G | 12.919M | 2.405578G | 2.418497G | 500k | 3 |
| 7.075M | 2.408475G | 2.41555G | 12.919M | 2.405553G | 2.418472G | 500k | 4 |

## 802.11b_Nss1,(1Mbps)_4TX EBW

### 2437MHz

19/10/2022

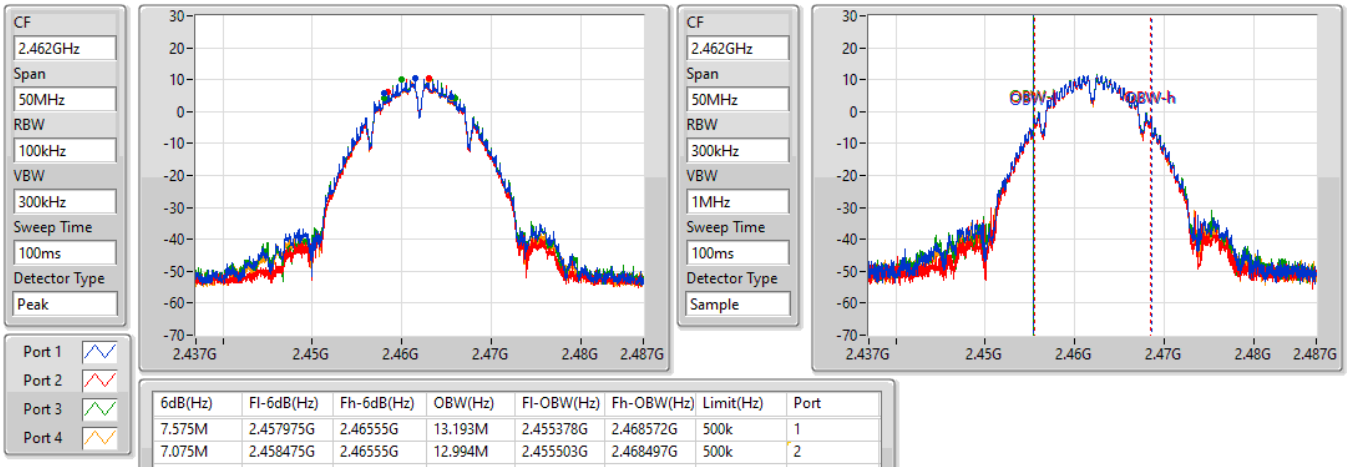



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 8.525M | 2.432475G | 2.441G | 13.918M | 2.430028G | 2.443947G | 500k | 1 |
| 7.525M | 2.433G | 2.440525G | 13.093M | 2.430453G | 2.443547G | 500k | 2 |
| 8.05M | 2.432975G | 2.441025G | 13.918M | 2.430053G | 2.443972G | 500k | 3 |
| 7.05M | 2.433475G | 2.440525G | 13.318M | 2.430378G | 2.443697G | 500k | 4 |

## 802.11b_Nss1,(1Mbps)_4TX EBW

### 2462MHz

19/10/2022

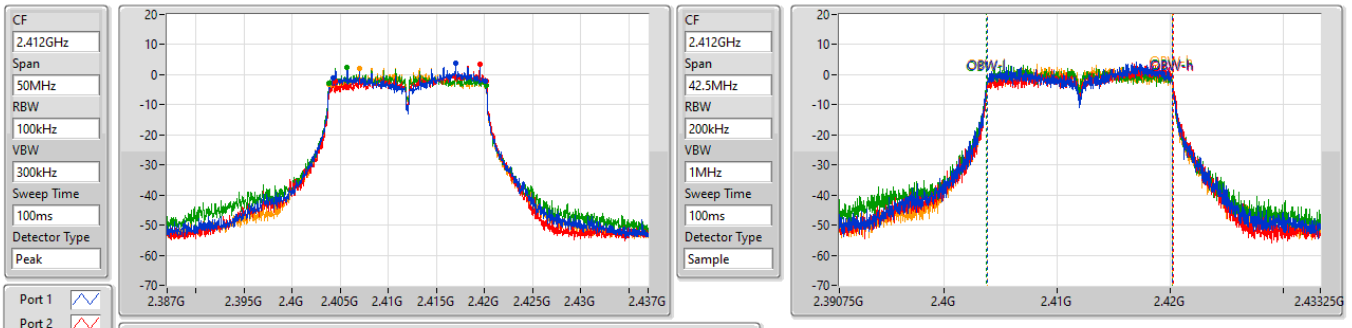



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 7.575M | 2.457975G | 2.46555G | 13.193M | 2.455378G | 2.468572G | 500k | 1 |
| 7.075M | 2.458475G | 2.46555G | 12.994M | 2.455503G | 2.468497G | 500k | 2 |
| 8.05M | 2.457975G | 2.466025G | 13.168M | 2.455428G | 2.468597G | 500k | 3 |
| 7.575M | 2.457975G | 2.46555G | 13.018M | 2.455478G | 2.468497G | 500k | 4 |

## 2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX EBW

### 2412MHz

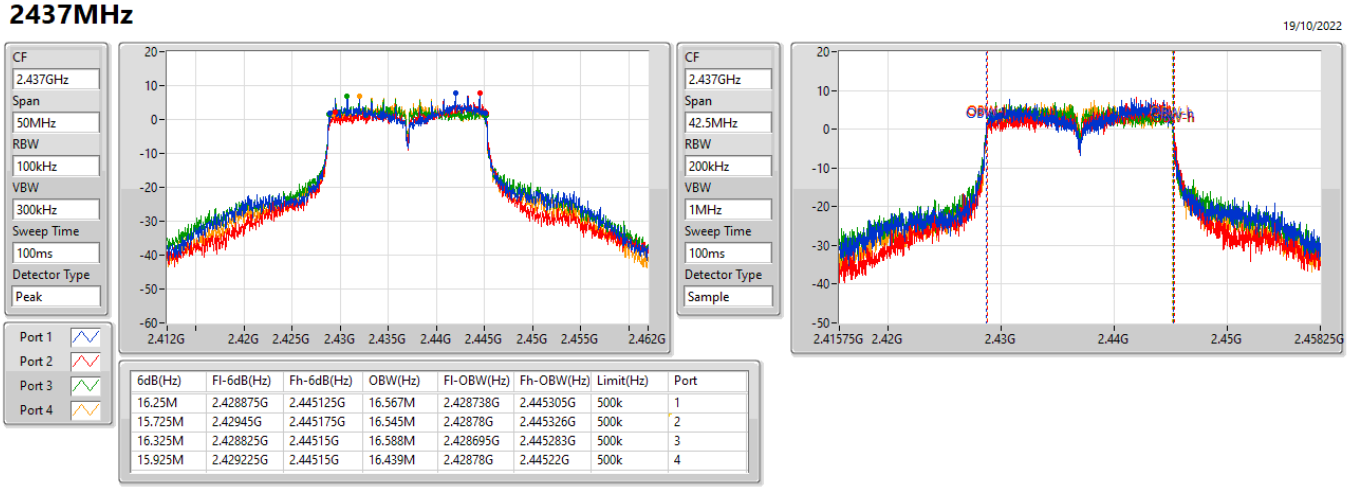
19/10/2022




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 15.9M | 2.404225G | 2.420125G | 16.418M | 2.40378G | 2.420198G | 500k | 1 |
| 15.725M | 2.40445G | 2.420175G | 16.439M | 2.403844G | 2.420283G | 500k | 2 |
| 16.35M | 2.403825G | 2.420175G | 16.439M | 2.403759G | 2.420198G | 500k | 3 |
| 16.325M | 2.40385G | 2.420175G | 16.354M | 2.403823G | 2.420177G | 500k | 4 |

**2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX** **EBW**

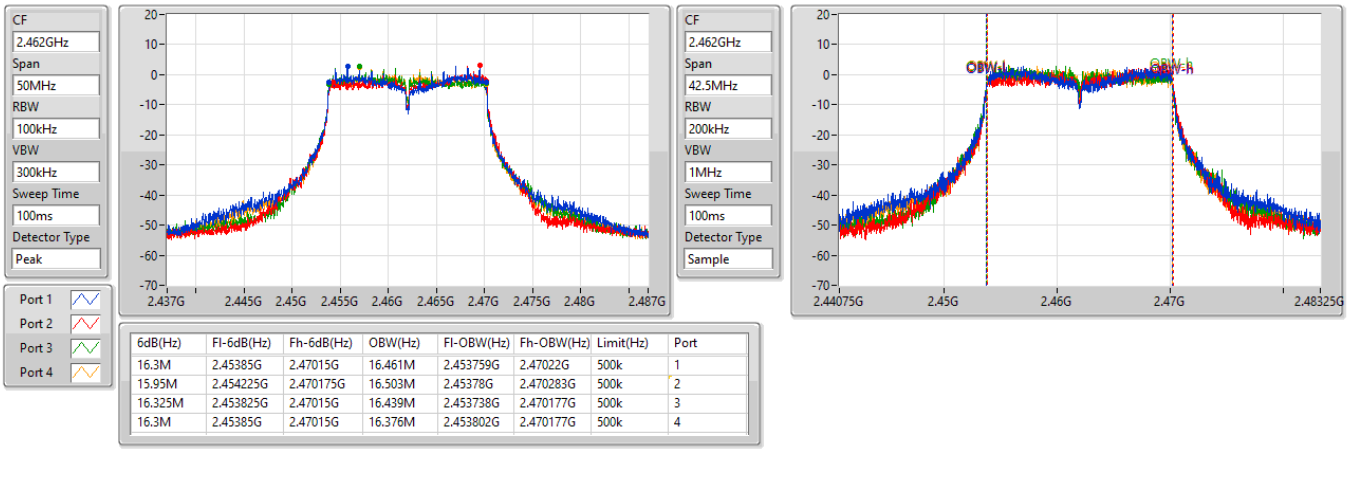
**2437MHz**




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.25M | 2.428875G | 2.445125G | 16.567M | 2.428738G | 2.445305G | 500k | 1 |
| 15.725M | 2.42945G | 2.445175G | 16.545M | 2.42878G | 2.445326G | 500k | 2 |
| 16.325M | 2.428825G | 2.44515G | 16.588M | 2.428695G | 2.445283G | 500k | 3 |
| 15.925M | 2.429225G | 2.44515G | 16.439M | 2.42878G | 2.44522G | 500k | 4 |

**2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX** **EBW**

**2462MHz**

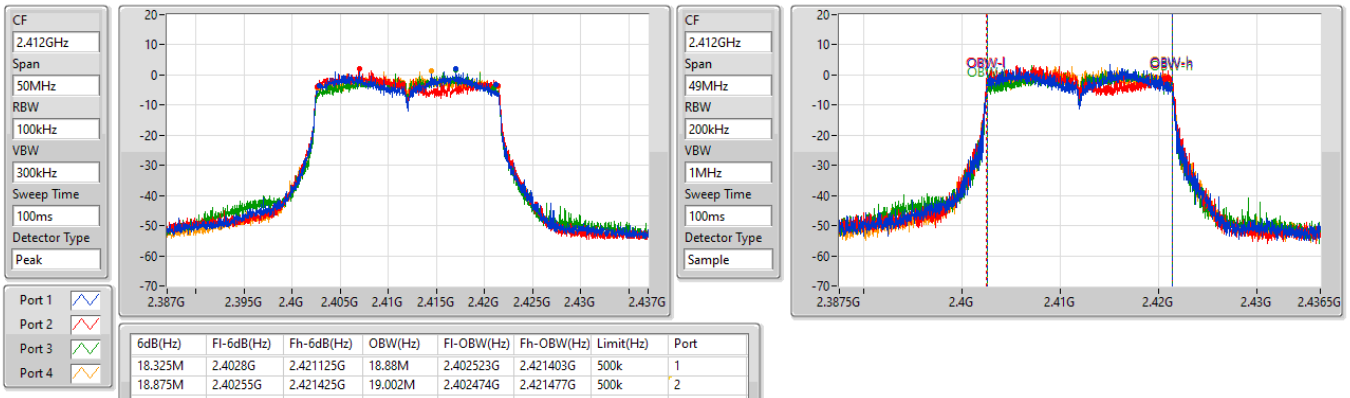



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.3M | 2.45385G | 2.47015G | 16.461M | 2.453759G | 2.47022G | 500k | 1 |
| 15.95M | 2.454225G | 2.470175G | 16.503M | 2.45378G | 2.470283G | 500k | 2 |
| 16.325M | 2.453825G | 2.47015G | 16.439M | 2.453738G | 2.470177G | 500k | 3 |
| 16.3M | 2.45385G | 2.47015G | 16.376M | 2.453802G | 2.470177G | 500k | 4 |

**2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX** **EBW**

**2412MHz**

19/10/2022

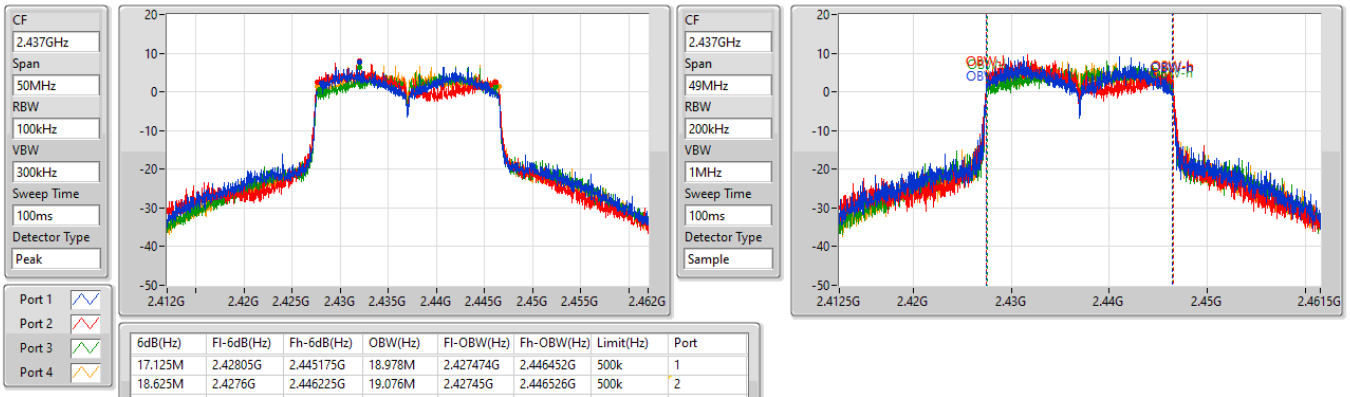



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 18.325M | 2.4028G | 2.421125G | 18.88M | 2.402523G | 2.421403G | 500k | 1 |
| 18.875M | 2.40255G | 2.421425G | 19.002M | 2.402474G | 2.421477G | 500k | 2 |
| 17.025M | 2.4039G | 2.420925G | 18.856M | 2.402572G | 2.421428G | 500k | 3 |
| 18.9M | 2.40255G | 2.42145G | 18.905M | 2.402548G | 2.421452G | 500k | 4 |

**2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX** **EBW**

**2437MHz**

19/10/2022

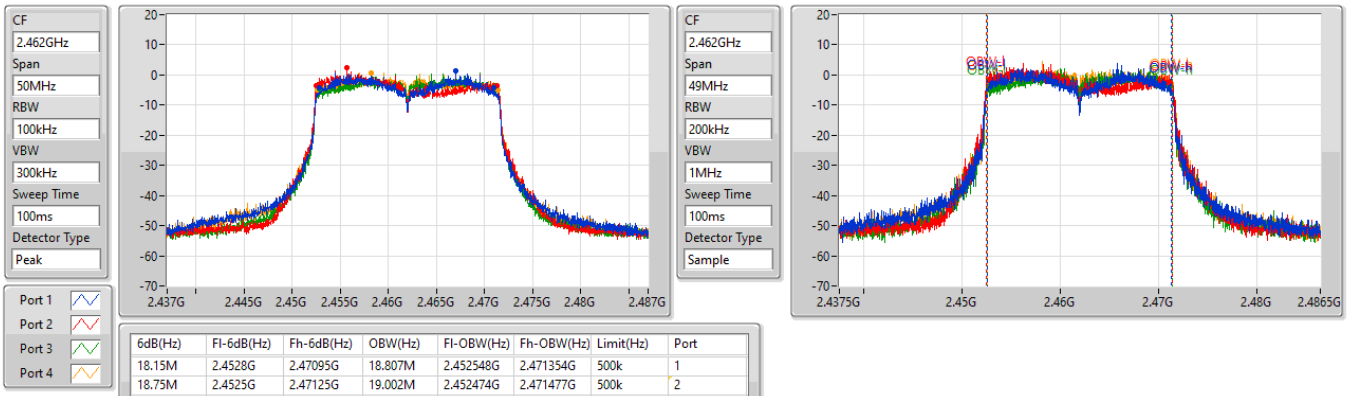



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 17.125M | 2.42805G | 2.445175G | 18.978M | 2.427474G | 2.446452G | 500k | 1 |
| 18.625M | 2.4276G | 2.446225G | 19.076M | 2.42745G | 2.446526G | 500k | 2 |
| 18.35M | 2.427775G | 2.446125G | 18.929M | 2.427548G | 2.446477G | 500k | 3 |
| 18.9M | 2.427575G | 2.446475G | 19.002M | 2.427499G | 2.446501G | 500k | 4 |

## 2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX EBW

**2462MHz**

19/10/2022

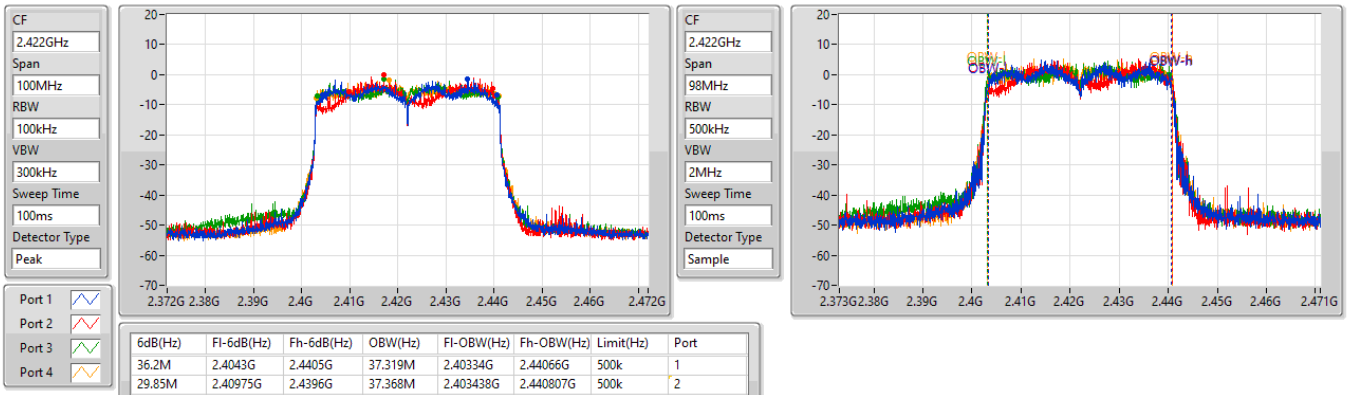



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 18.15M | 2.4528G | 2.47095G | 18.807M | 2.452548G | 2.471354G | 500k | 1 |
| 18.75M | 2.4525G | 2.47125G | 19.002M | 2.452474G | 2.471477G | 500k | 2 |
| 18.275M | 2.452875G | 2.47115G | 18.856M | 2.452572G | 2.471428G | 500k | 3 |
| 18.85M | 2.452575G | 2.471425G | 18.929M | 2.452523G | 2.471452G | 500k | 4 |

## 2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX EBW

**2422MHz**

19/10/2022

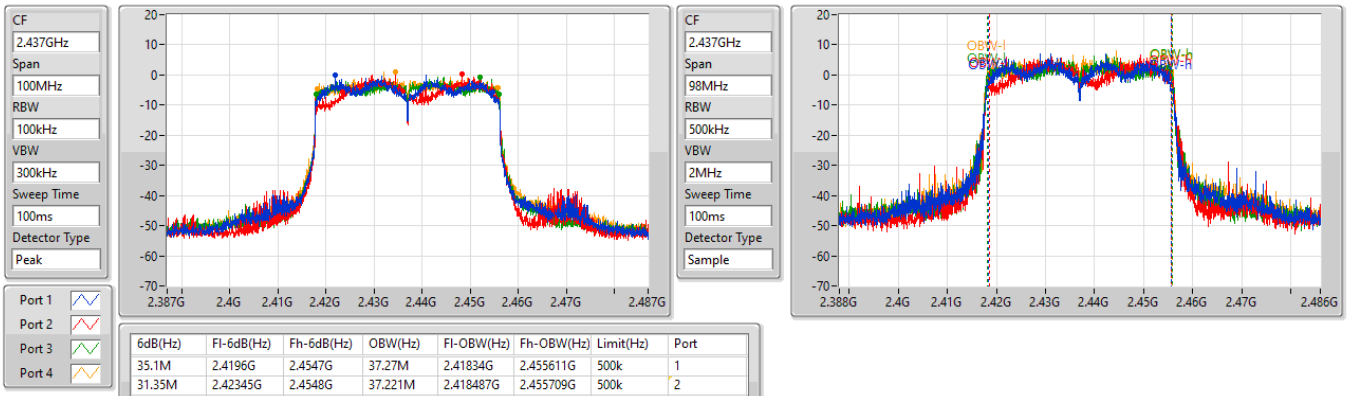



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 36.2M | 2.4043G | 2.4405G | 37.319M | 2.40334G | 2.44066G | 500k | 1 |
| 29.85M | 2.40975G | 2.4396G | 37.368M | 2.403438G | 2.440807G | 500k | 2 |
| 37.7M | 2.40315G | 2.44085G | 37.711M | 2.403095G | 2.440807G | 500k | 3 |
| 38.1M | 2.40295G | 2.44105G | 37.711M | 2.403144G | 2.440856G | 500k | 4 |

**2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX** **EBW**

**2437MHz**

19/10/2022

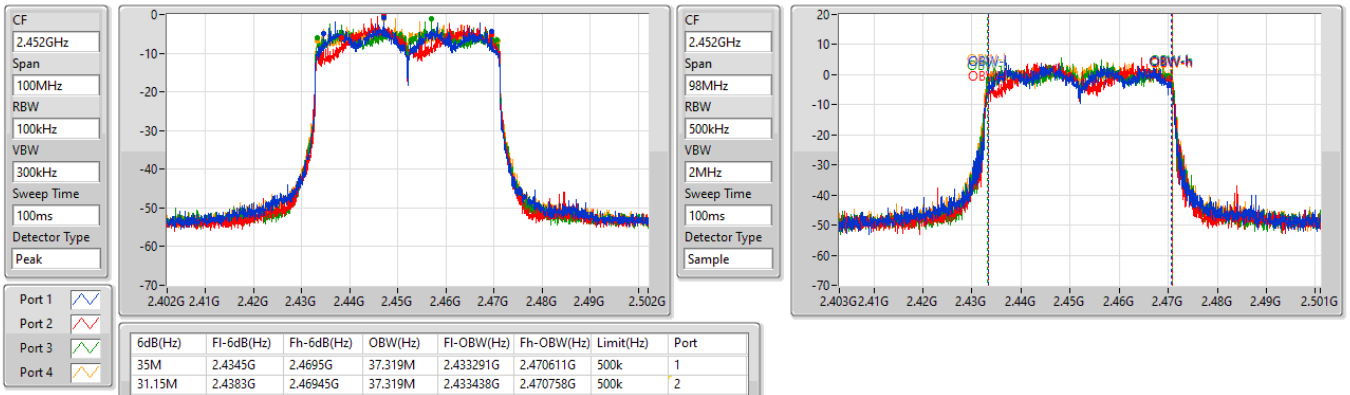



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 35.1M | 2.4196G | 2.4547G | 37.27M | 2.41834G | 2.455611G | 500k | 1 |
| 31.35M | 2.42345G | 2.4548G | 37.221M | 2.418487G | 2.455709G | 500k | 2 |
| 37.95M | 2.418G | 2.45595G | 37.711M | 2.418144G | 2.455856G | 500k | 3 |
| 37.45M | 2.41825G | 2.4557G | 37.711M | 2.418144G | 2.455856G | 500k | 4 |

**2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX** **EBW**

**2452MHz**

19/10/2022




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 35M | 2.4345G | 2.4695G | 37.319M | 2.433291G | 2.470611G | 500k | 1 |
| 31.15M | 2.4383G | 2.46945G | 37.319M | 2.433438G | 2.470758G | 500k | 2 |
| 37.4M | 2.4332G | 2.4706G | 37.711M | 2.433144G | 2.470856G | 500k | 3 |
| 37.65M | 2.43315G | 2.4708G | 37.711M | 2.433095G | 2.470807G | 500k | 4 |

Summary

| Mode | Total Power (dBm) | Total Power (W) |
|---|---|---|
| 2.4-2.4835GHz | - | - |
| 802.11b_Nss1,(1Mbps)_4TX | 25.57 | 0.36058 |
| 802.11g_Nss1,(6Mbps)_4TX | 24.54 | 0.28445 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 24.64 | 0.29107 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 21.32 | 0.13552 |

Result

| Mode | Result | DG (dBi) | Port 1 (dBm) | Port 2 (dBm) | Port 3 (dBm) | Port 4 (dBm) | Total Power (dBm) | Power Limit (dBm) |
|---|---|---|---|---|---|---|---|---|
| 802.11b_Nss1,(1Mbps)_4TX | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 2.92 | 18.45 | 17.14 | 18.67 | 17.47 | 24.00 | 30.00 |
| 2437MHz | Pass | 2.92 | 19.79 | 18.80 | 19.89 | 19.64 | 25.57 | 30.00 |
| 2462MHz | Pass | 2.92 | 18.34 | 17.53 | 18.69 | 17.65 | 24.10 | 30.00 |
| 802.11g_Nss1,(6Mbps)_4TX | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 2.92 | 14.58 | 13.20 | 15.07 | 14.21 | 20.34 | 30.00 |
| 2417MHz | Pass | 2.92 | 15.53 | 14.25 | 16.04 | 15.07 | 21.29 | 30.00 |
| 2437MHz | Pass | 2.92 | 18.74 | 17.62 | 19.00 | 18.59 | 24.54 | 30.00 |
| 2457MHz | Pass | 2.92 | 16.61 | 15.42 | 16.72 | 15.97 | 22.23 | 30.00 |
| 2462MHz | Pass | 2.92 | 14.76 | 13.69 | 14.19 | 14.21 | 20.25 | 30.00 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 2.92 | 13.65 | 12.89 | 13.93 | 12.39 | 19.28 | 30.00 |
| 2417MHz | Pass | 2.92 | 15.62 | 14.66 | 15.88 | 15.45 | 21.45 | 30.00 |
| 2437MHz | Pass | 2.92 | 18.82 | 17.93 | 18.98 | 18.68 | 24.64 | 30.00 |
| 2457MHz | Pass | 2.92 | 16.81 | 15.85 | 16.82 | 16.30 | 22.48 | 30.00 |
| 2462MHz | Pass | 2.92 | 13.95 | 13.05 | 13.87 | 13.47 | 19.62 | 30.00 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - |
| 2422MHz | Pass | 2.92 | 14.56 | 13.57 | 14.99 | 13.39 | 20.20 | 30.00 |
| 2437MHz | Pass | 2.92 | 15.40 | 14.43 | 15.76 | 15.49 | 21.32 | 30.00 |
| 2452MHz | Pass | 2.92 | 13.40 | 12.75 | 14.03 | 13.54 | 19.47 | 30.00 |

DG = Directional Gain; Port X = Port X output power

Summary

| Mode | Total Power (dBm) | Total Power (W) |
|---|---|---|
| 2.4-2.4835GHz | - | - |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 24.64 | 0.29107 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 21.32 | 0.13552 |

Result

| Mode | Result | DG (dBi) | Port 1 (dBm) | Port 2 (dBm) | Port 3 (dBm) | Port 4 (dBm) | Total Power (dBm) | Power Limit (dBm) |
|---|---|---|---|---|---|---|---|---|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 8.72 | 13.65 | 12.89 | 13.93 | 12.39 | 19.28 | 27.28 |
| 2417MHz | Pass | 8.72 | 15.62 | 14.66 | 15.88 | 15.45 | 21.45 | 27.28 |
| 2437MHz | Pass | 8.72 | 18.82 | 17.93 | 18.98 | 18.68 | 24.64 | 27.28 |
| 2457MHz | Pass | 8.72 | 16.81 | 15.85 | 16.82 | 16.30 | 22.48 | 27.28 |
| 2462MHz | Pass | 8.72 | 13.95 | 13.05 | 13.87 | 13.47 | 19.62 | 27.28 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - |
| 2422MHz | Pass | 8.72 | 14.56 | 13.57 | 14.99 | 13.39 | 20.20 | 27.28 |
| 2437MHz | Pass | 8.72 | 15.40 | 14.43 | 15.76 | 15.49 | 21.32 | 27.28 |
| 2452MHz | Pass | 8.72 | 13.40 | 12.75 | 14.03 | 13.54 | 19.47 | 27.28 |

DG = Directional Gain; Port X = Port X output power

Summary

| Mode | Total Power (dBm) | Total Power (W) |
|---|---|---|
| 2.4-2.4835GHz | - | - |
| 802.11b_Nss1,(1Mbps)_4TX | 24.30 | 0.26915 |
| 802.11g_Nss1,(6Mbps)_4TX | 23.25 | 0.21135 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 23.85 | 0.24266 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 21.12 | 0.12942 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 20.12 | 0.10280 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 20.12 | 0.10280 |

Result

| Mode | Result | DG (dBi) | Port 1 (dBm) | Port 2 (dBm) | Port 3 (dBm) | Port 4 (dBm) | Total Power (dBm) | Power Limit (dBm) |
|---|---|---|---|---|---|---|---|---|
| 802.11b_Nss1,(1Mbps)_4TX | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 11.67 | 17.77 | 17.31 | 17.79 | 17.55 | 23.63 | 24.33 |
| 2437MHz | Pass | 11.67 | 18.47 | 18.09 | 18.36 | 18.19 | 24.30 | 24.33 |
| 2462MHz | Pass | 11.67 | 18.33 | 18.17 | 18.37 | 18.11 | 24.27 | 24.33 |
| 802.11g_Nss1,(6Mbps)_4TX | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 11.67 | 13.44 | 12.98 | 13.60 | 13.47 | 19.40 | 24.33 |
| 2417MHz | Pass | 11.67 | 14.43 | 14.09 | 14.64 | 14.63 | 20.47 | 24.33 |
| 2437MHz | Pass | 11.67 | 17.26 | 16.85 | 17.28 | 17.52 | 23.25 | 24.33 |
| 2457MHz | Pass | 11.67 | 14.63 | 14.26 | 14.83 | 14.86 | 20.67 | 24.33 |
| 2462MHz | Pass | 11.67 | 13.04 | 12.83 | 13.37 | 13.37 | 19.18 | 24.33 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 11.67 | 12.52 | 12.53 | 12.42 | 13.01 | 18.65 | 24.33 |
| 2417MHz | Pass | 11.67 | 14.53 | 14.42 | 14.42 | 14.93 | 20.60 | 24.33 |
| 2437MHz | Pass | 11.67 | 17.75 | 17.74 | 17.62 | 18.17 | 23.85 | 24.33 |
| 2457MHz | Pass | 11.67 | 14.59 | 14.52 | 14.54 | 14.85 | 20.65 | 24.33 |
| 2462MHz | Pass | 11.67 | 12.12 | 12.24 | 12.13 | 12.65 | 18.31 | 24.33 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - |
| 2422MHz | Pass | 11.67 | 12.42 | 12.32 | 12.62 | 12.93 | 18.60 | 24.33 |
| 2437MHz | Pass | 11.67 | 13.85 | 13.82 | 14.05 | 14.62 | 20.12 | 24.33 |
| 2452MHz | Pass | 11.67 | 11.87 | 11.89 | 12.31 | 12.59 | 18.20 | 24.33 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 14.46 | 12.52 | 12.53 | 12.42 | 13.01 | 18.65 | 21.54 |
| 2417MHz | Pass | 14.46 | 14.53 | 14.42 | 14.42 | 14.93 | 20.60 | 21.54 |
| 2437MHz | Pass | 14.46 | 15.05 | 14.95 | 15.00 | 15.40 | 21.12 | 21.54 |
| 2457MHz | Pass | 14.46 | 14.59 | 14.52 | 14.54 | 14.85 | 20.65 | 21.54 |
| 2462MHz | Pass | 14.46 | 12.12 | 12.24 | 12.13 | 12.65 | 18.31 | 21.54 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - |
| 2422MHz | Pass | 14.46 | 12.42 | 12.32 | 12.62 | 12.93 | 18.60 | 21.54 |
| 2437MHz | Pass | 14.46 | 13.85 | 13.82 | 14.05 | 14.62 | 20.12 | 21.54 |
| 2452MHz | Pass | 14.46 | 11.87 | 11.89 | 12.31 | 12.59 | 18.20 | 21.54 |

DG = Directional Gain; Port X = Port X output power

Summary

| Mode | PD (dBm/RBW) |
|---|---|
| 2.4-2.4835GHz | - |
| 802.11b_Nss1,(1Mbps)_4TX | 2.22 |
| 802.11g_Nss1,(6Mbps)_4TX | -4.22 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -3.77 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | -10.24 |

RBW = 3kHz;

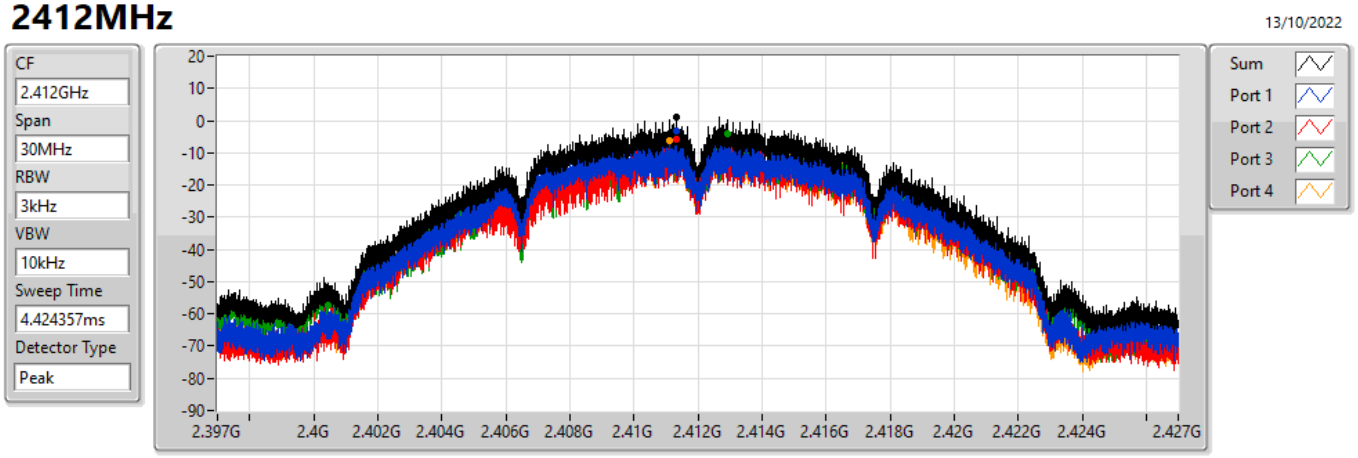
Result

| Mode | Result | DG (dBi) | Port 1 (dBm/RBW) | Port 2 (dBm/RBW) | Port 3 (dBm/RBW) | Port 4 (dBm/RBW) | PD (dBm/RBW) | PD Limit (dBm/RBW) |
|---|---|---|---|---|---|---|---|---|
| 802.11b_Nss1,(1Mbps)_4TX | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 8.72 | -3.20 | -5.94 | -4.13 | -6.18 | 0.99 | 5.28 |
| 2437MHz | Pass | 8.72 | -3.21 | -3.60 | -3.15 | -4.09 | 2.22 | 5.28 |
| 2462MHz | Pass | 8.72 | -3.70 | -5.51 | -4.60 | -5.81 | 1.07 | 5.28 |
| 802.11g_Nss1,(6Mbps)_4TX | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 8.72 | -12.79 | -13.08 | -12.26 | -13.89 | -8.57 | 5.28 |
| 2437MHz | Pass | 8.72 | -8.66 | -9.65 | -7.74 | -8.89 | -4.22 | 5.28 |
| 2462MHz | Pass | 8.72 | -9.89 | -12.29 | -12.85 | -13.02 | -7.93 | 5.28 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 8.72 | -13.14 | -12.48 | -11.49 | -13.21 | -8.64 | 5.28 |
| 2437MHz | Pass | 8.72 | -6.35 | -7.55 | -8.59 | -7.35 | -3.77 | 5.28 |
| 2462MHz | Pass | 8.72 | -10.84 | -11.94 | -12.51 | -13.37 | -9.04 | 5.28 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - |
| 2422MHz | Pass | 8.72 | -14.00 | -14.72 | -13.56 | -14.62 | -10.89 | 5.28 |
| 2437MHz | Pass | 8.72 | -13.34 | -13.44 | -13.82 | -13.60 | -10.24 | 5.28 |
| 2452MHz | Pass | 8.72 | -15.48 | -15.26 | -15.08 | -15.75 | -11.93 | 5.28 |

DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

## 802.11b_Nss1,(1Mbps)_4TX PSD

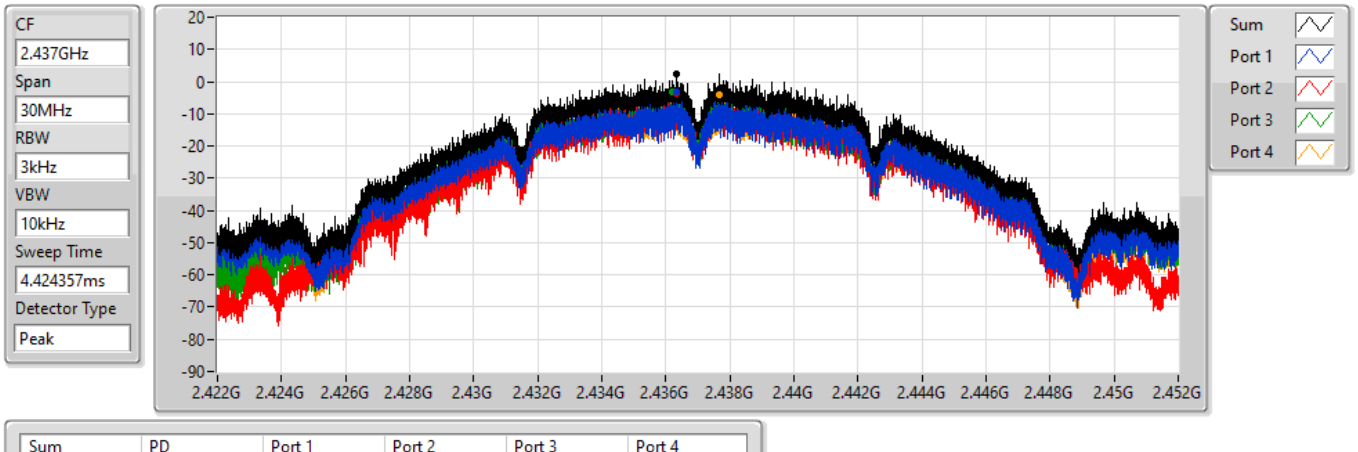
### 2412MHz




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.99 | 0.99 | -3.20 | -5.94 | -4.13 | -6.18 |

## 802.11b_Nss1,(1Mbps)_4TX PSD

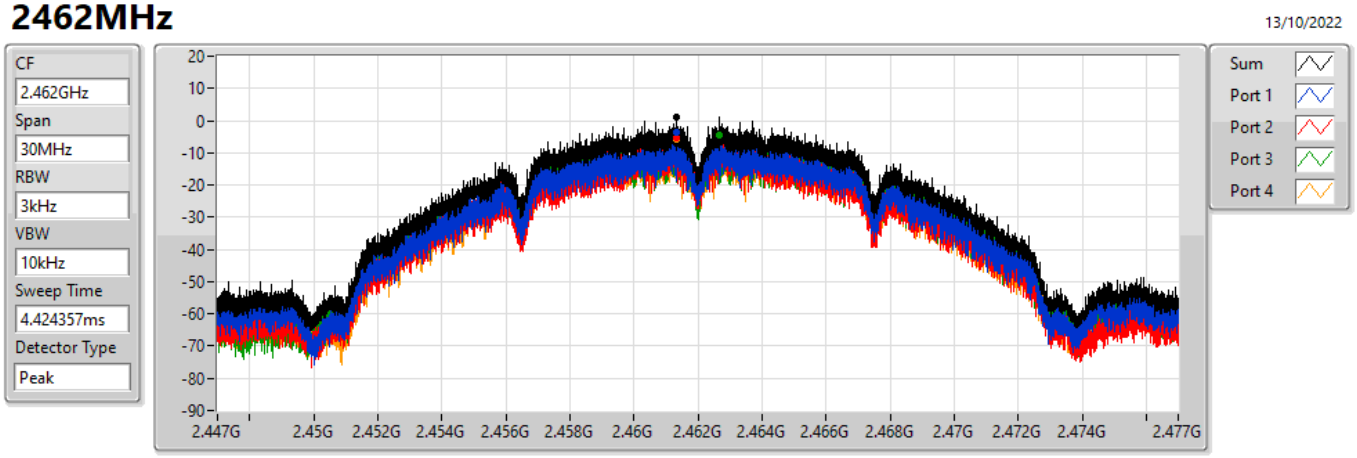
### 2437MHz




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.22 | 2.22 | -3.21 | -3.60 | -3.15 | -4.09 |

## 802.11b_Nss1,(1Mbps)_4TX PSD

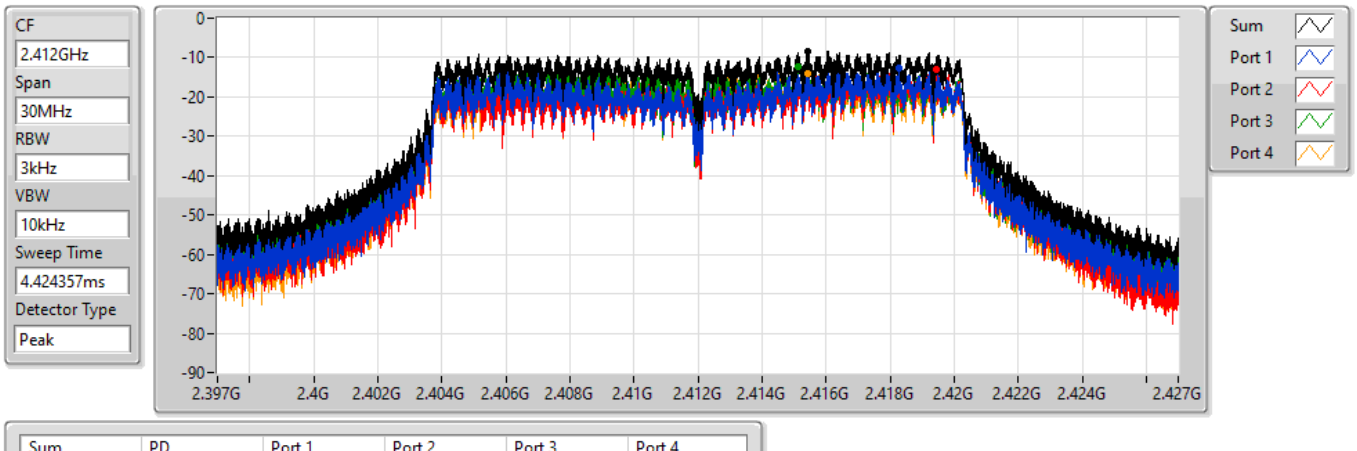
## 2462MHz




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 1.07 | 1.07 | -3.70 | -5.51 | -4.60 | -5.81 |

## 802.11g_Nss1,(6Mbps)_4TX PSD

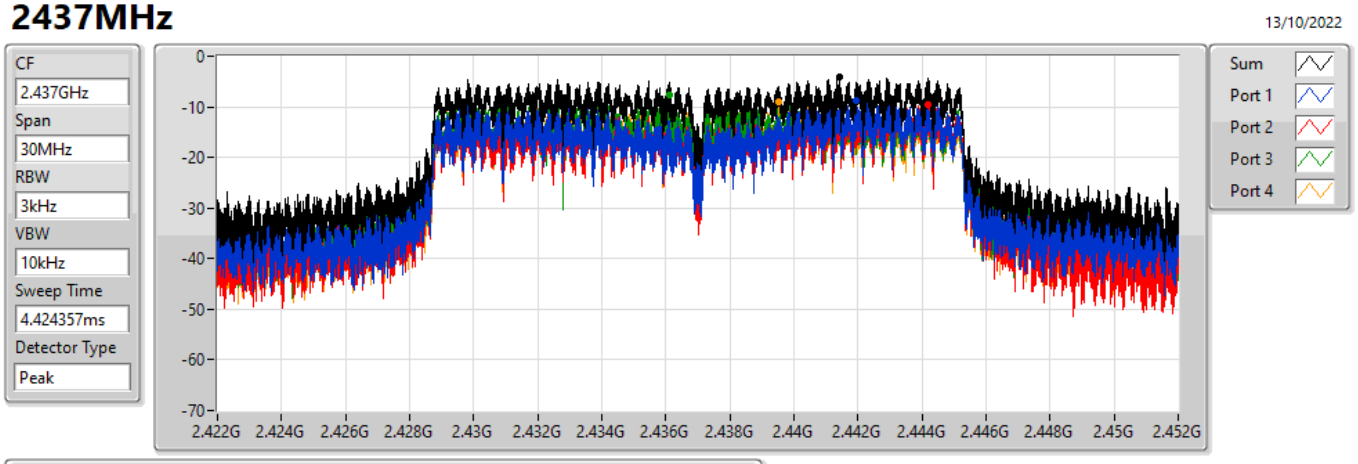
## 2412MHz




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -8.57 | -8.57 | -12.79 | -13.08 | -12.26 | -13.89 |

## 802.11g_Nss1,(6Mbps)_4TX PSD

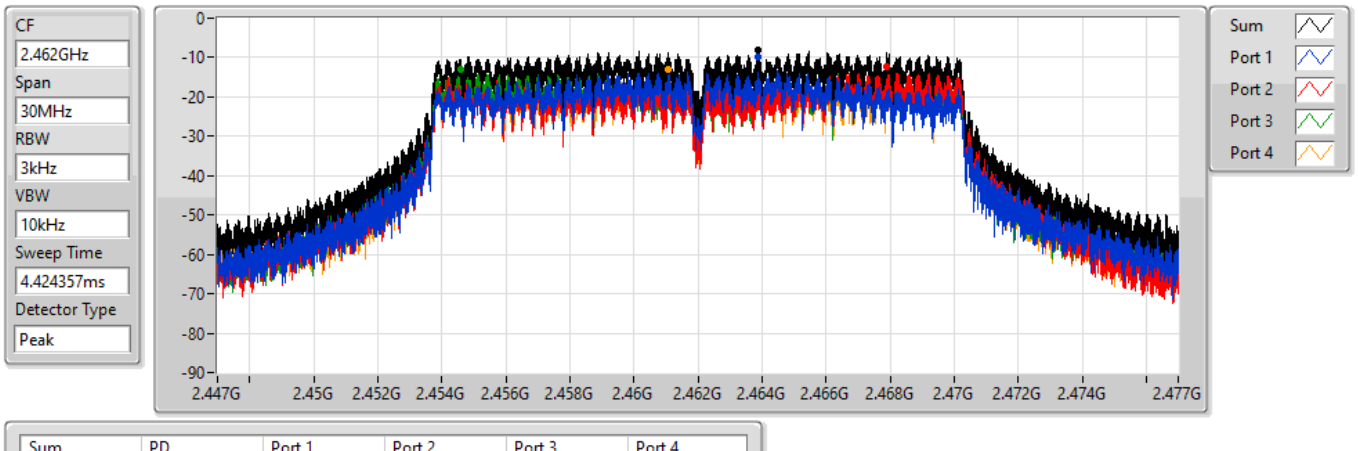
## 2437MHz




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -4.22 | -4.22 | -8.66 | -9.65 | -7.74 | -8.89 |

## 802.11g_Nss1,(6Mbps)_4TX PSD

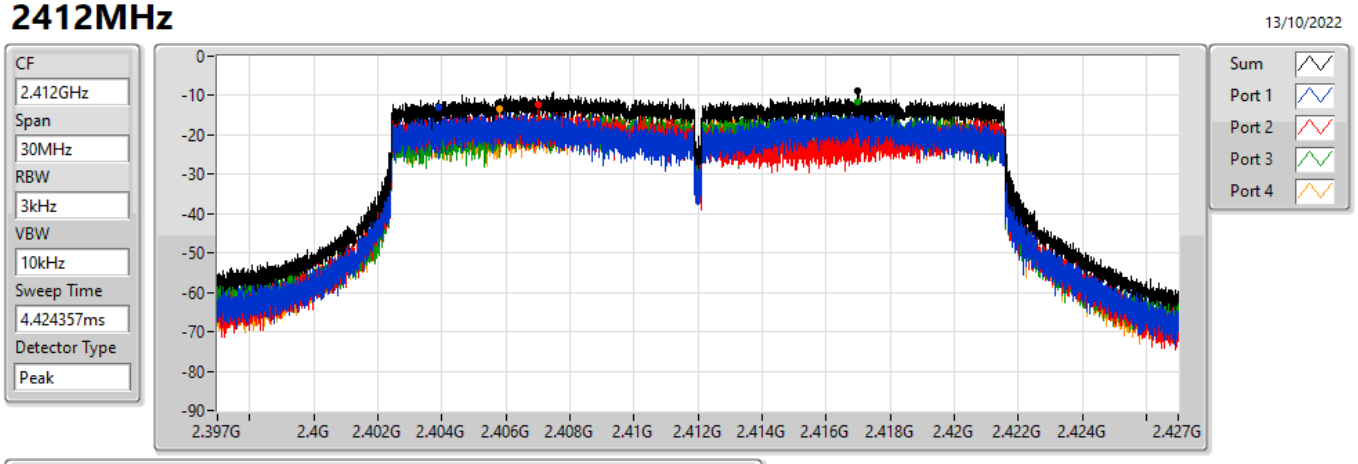
## 2462MHz




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -7.93 | -7.93 | -9.89 | -12.29 | -12.85 | -13.02 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX PSD

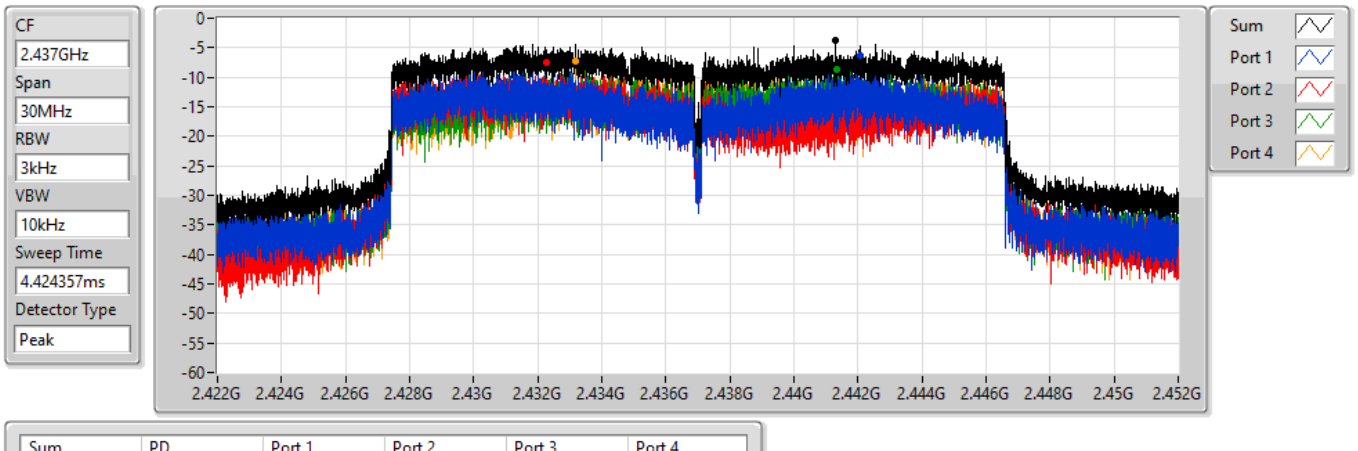
### 2412MHz




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -8.64 | -8.64 | -13.14 | -12.48 | -11.49 | -13.21 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX PSD

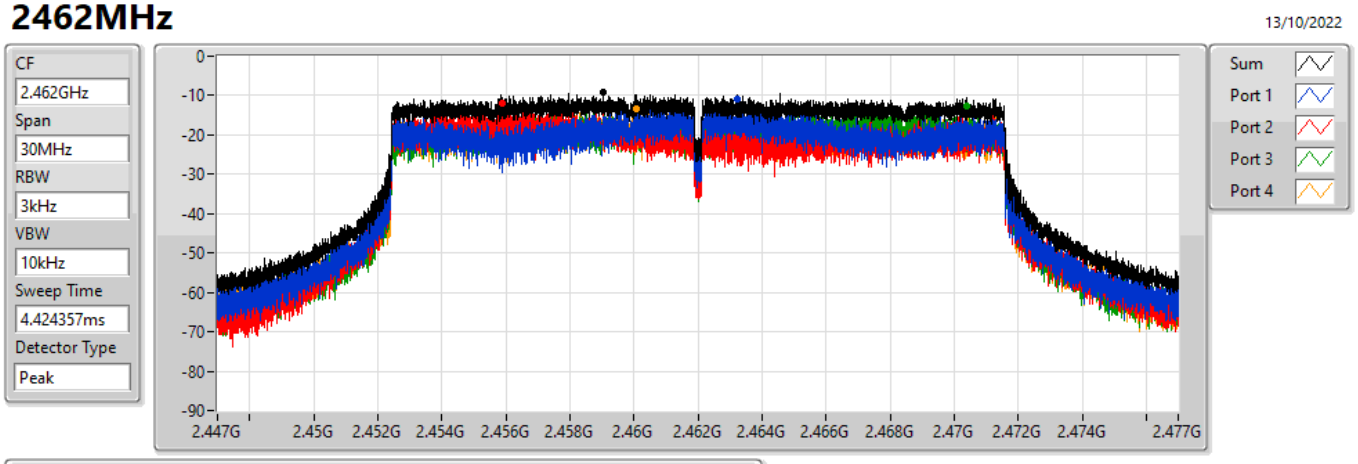
### 2437MHz




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -3.77 | -3.77 | -6.35 | -7.55 | -8.59 | -7.35 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX PSD

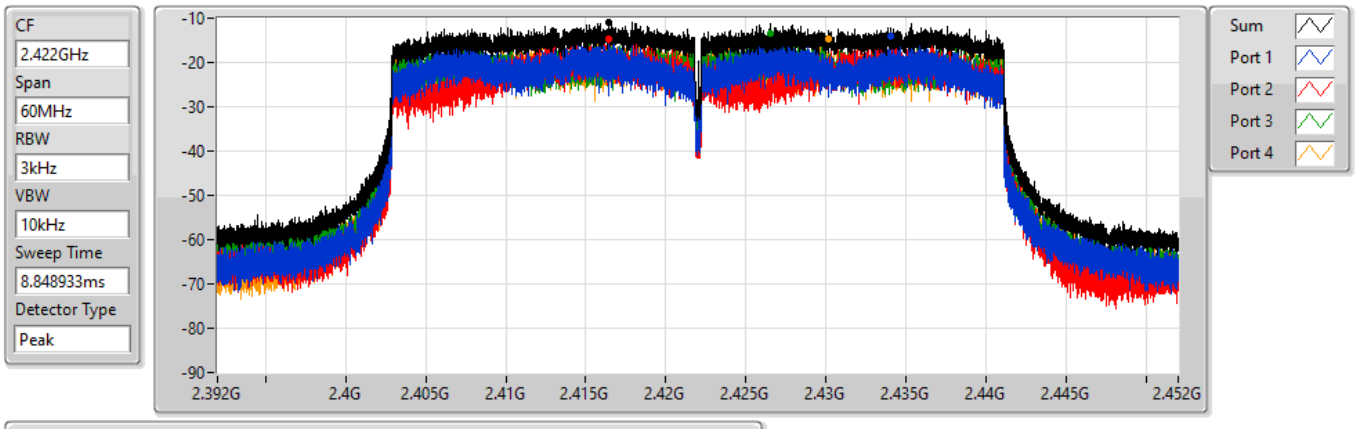
### 2462MHz




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -9.04 | -9.04 | -10.84 | -11.94 | -12.51 | -13.37 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX PSD

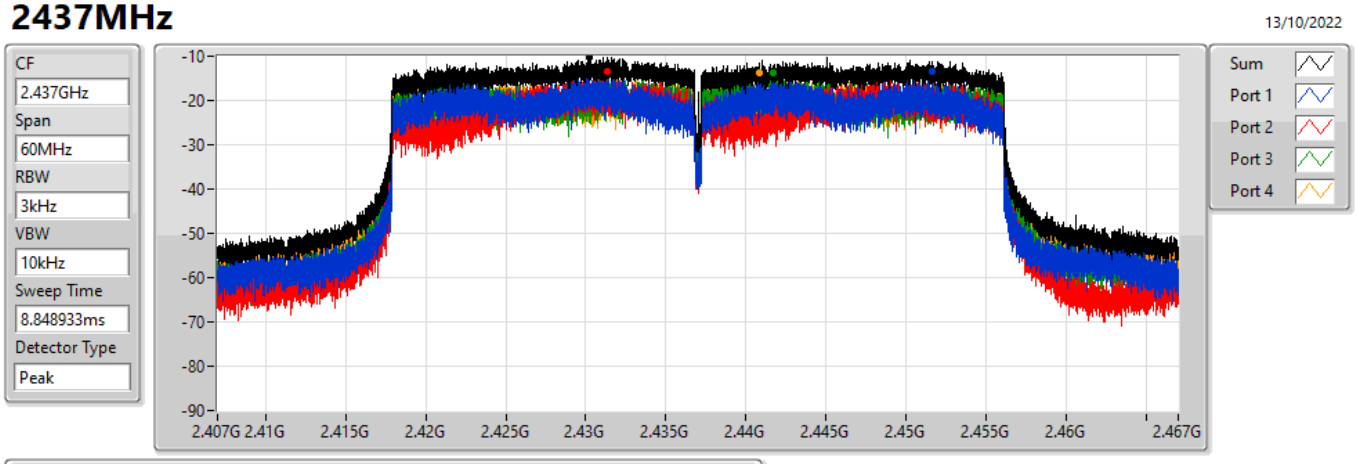
### 2422MHz




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -10.89 | -10.89 | -14.00 | -14.72 | -13.56 | -14.62 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX PSD

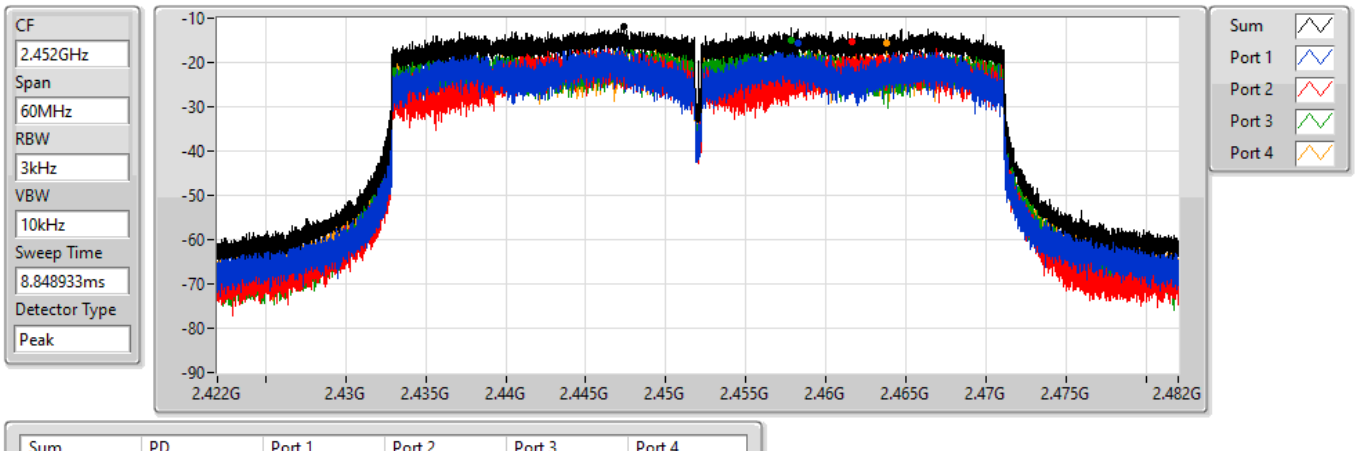
### 2437MHz




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -10.24 | -10.24 | -13.34 | -13.44 | -13.82 | -13.60 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX PSD

### 2452MHz




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -11.93 | -11.93 | -15.48 | -15.26 | -15.08 | -15.75 |

Summary

| Mode | PD (dBm/RBW) |
|---|---|
| 2.4-2.4835GHz | - |
| 802.11b_Nss1,(1Mbps)_4TX | -2.70 |
| 802.11g_Nss1,(6Mbps)_4TX | -5.31 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -4.53 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | -10.08 |

RBW = 3kHz;

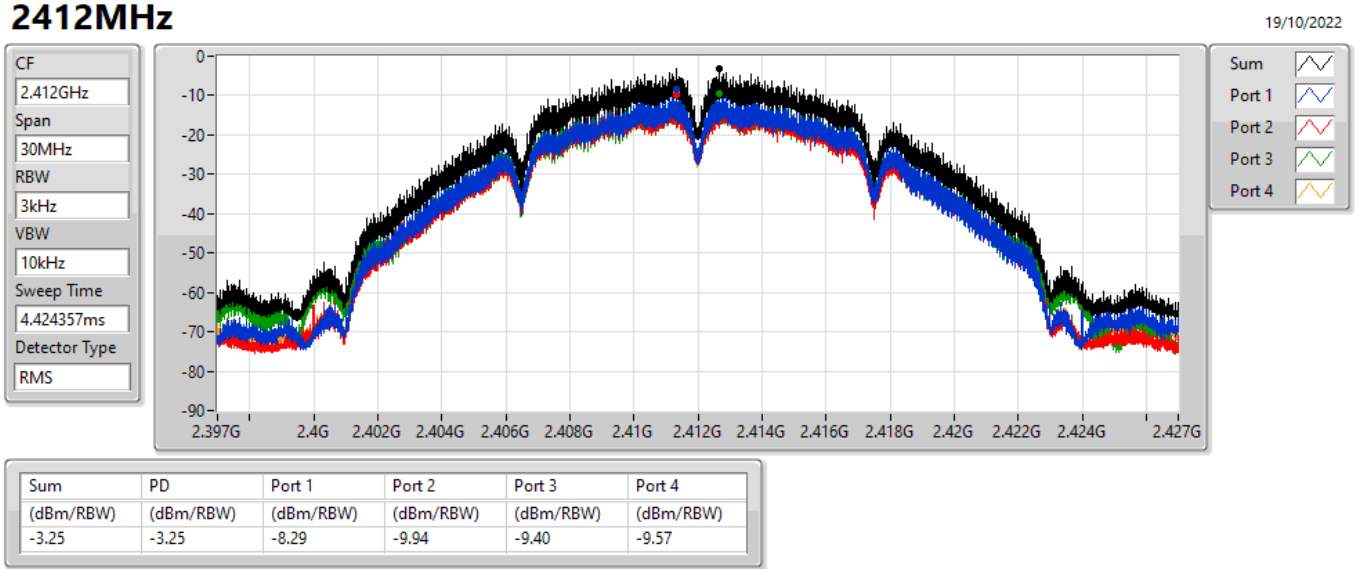
Result

| Mode | Result | DG (dBi) | Port 1 (dBm/RBW) | Port 2 (dBm/RBW) | Port 3 (dBm/RBW) | Port 4 (dBm/RBW) | PD (dBm/RBW) | PD Limit (dBm/RBW) |
|---|---|---|---|---|---|---|---|---|
| 802.11b_Nss1,(1Mbps)_4TX | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 14.46 | -8.29 | -9.94 | -9.40 | -9.57 | -3.25 | -0.46 |
| 2437MHz | Pass | 14.46 | -8.94 | -9.04 | -9.40 | -9.48 | -3.31 | -0.46 |
| 2462MHz | Pass | 14.46 | -8.35 | -9.91 | -8.30 | -8.33 | -2.70 | -0.46 |
| 802.11g_Nss1,(6Mbps)_4TX | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 14.46 | -13.86 | -12.36 | -14.54 | -13.87 | -8.36 | -0.46 |
| 2437MHz | Pass | 14.46 | -10.27 | -9.73 | -9.73 | -10.01 | -5.31 | -0.46 |
| 2462MHz | Pass | 14.46 | -14.02 | -13.37 | -13.65 | -14.16 | -8.91 | -0.46 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 14.46 | -12.93 | -12.78 | -13.53 | -13.62 | -9.91 | -0.46 |
| 2437MHz | Pass | 14.46 | -8.00 | -8.00 | -8.01 | -7.76 | -4.53 | -0.46 |
| 2462MHz | Pass | 14.46 | -13.19 | -12.62 | -14.81 | -13.47 | -9.24 | -0.46 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - |
| 2422MHz | Pass | 14.46 | -16.01 | -15.24 | -15.68 | -16.37 | -12.37 | -0.46 |
| 2437MHz | Pass | 14.46 | -14.25 | -13.36 | -13.58 | -14.28 | -10.08 | -0.46 |
| 2452MHz | Pass | 14.46 | -15.60 | -15.19 | -16.36 | -14.51 | -12.33 | -0.46 |

DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

## 802.11b_Nss1,(1Mbps)_4TX PSD

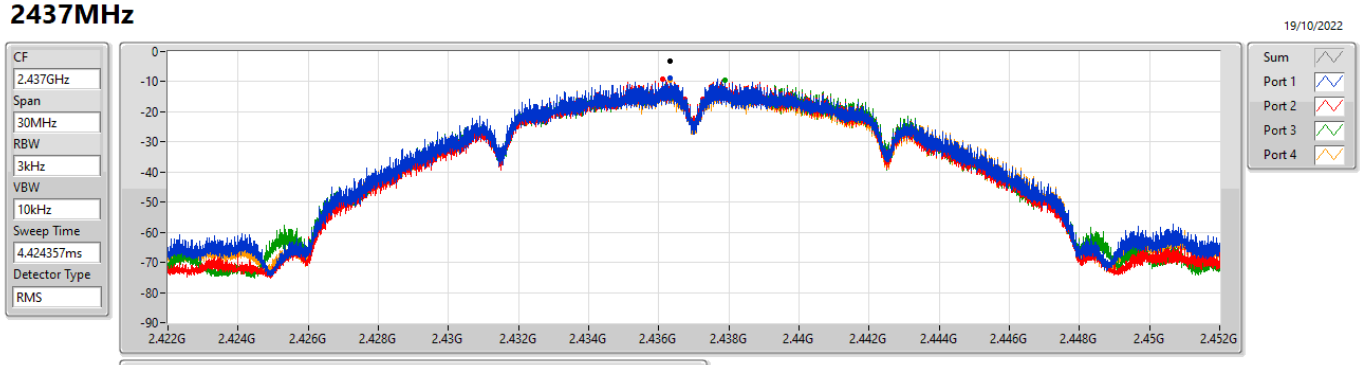
### 2412MHz




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -3.25 | -3.25 | -8.29 | -9.94 | -9.40 | -9.57 |

## 2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX PSD

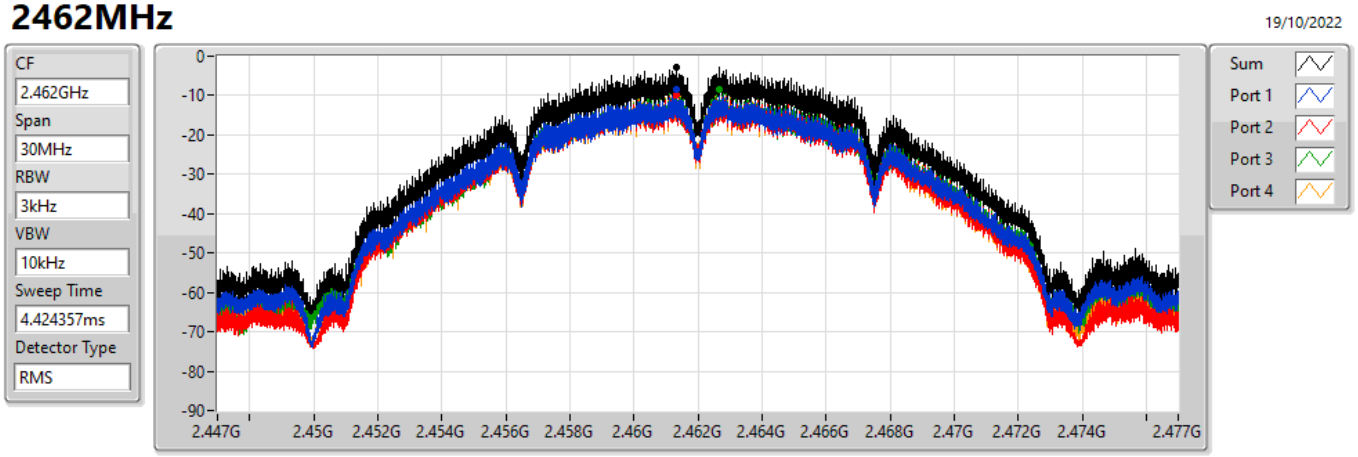
### 2437MHz




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -3.31 | -3.31 | -8.94 | -9.04 | -9.40 | -9.48 |

## 802.11b_Nss1,(1Mbps)_4TX PSD

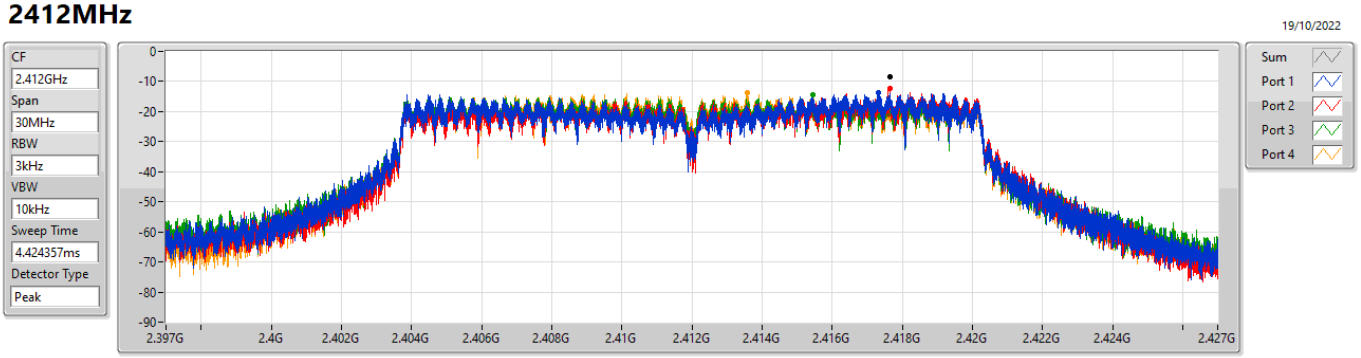
### 2462MHz




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.70 | -2.70 | -8.35 | -9.91 | -8.30 | -8.33 |

## 2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX PSD

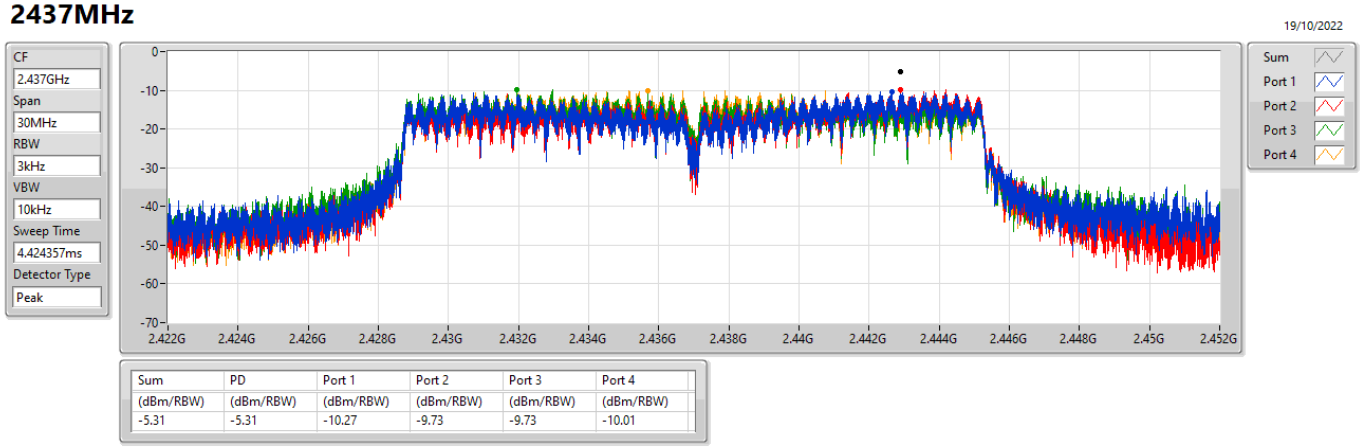
### 2412MHz




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -8.36 | -8.36 | -13.86 | -12.36 | -14.54 | -13.87 |

**2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX** **PSD**

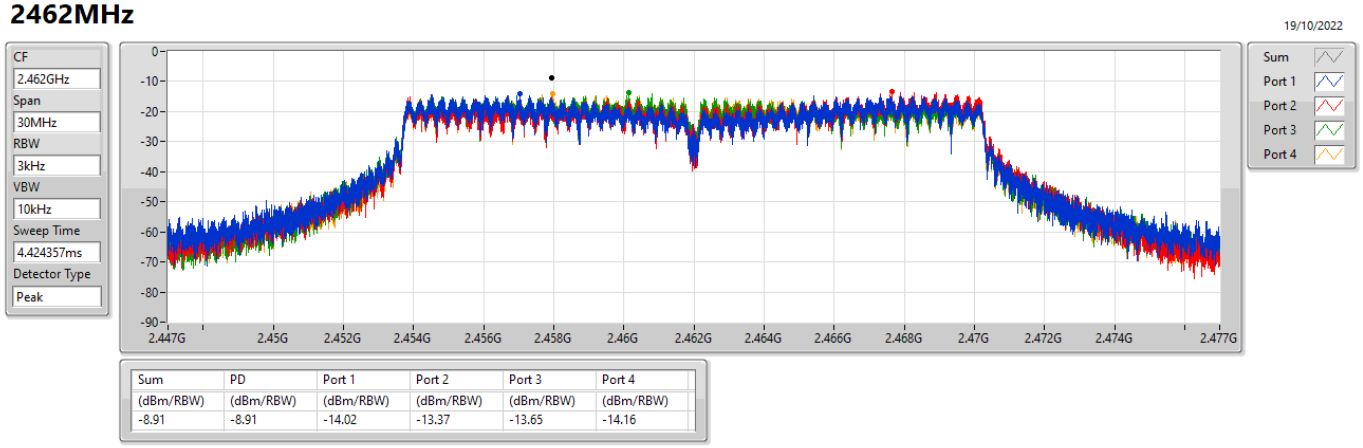
**2437MHz**




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -5.31 | -5.31 | -10.27 | -9.73 | -9.73 | -10.01 |

**2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX** **PSD**

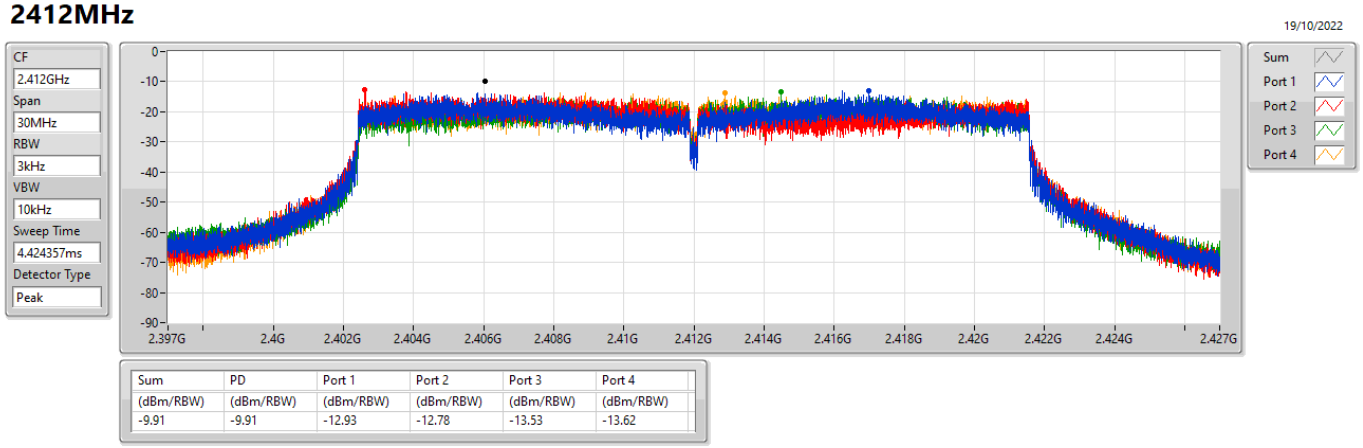
**2462MHz**




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -8.91 | -8.91 | -14.02 | -13.37 | -13.65 | -14.16 |

**2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX** **PSD**

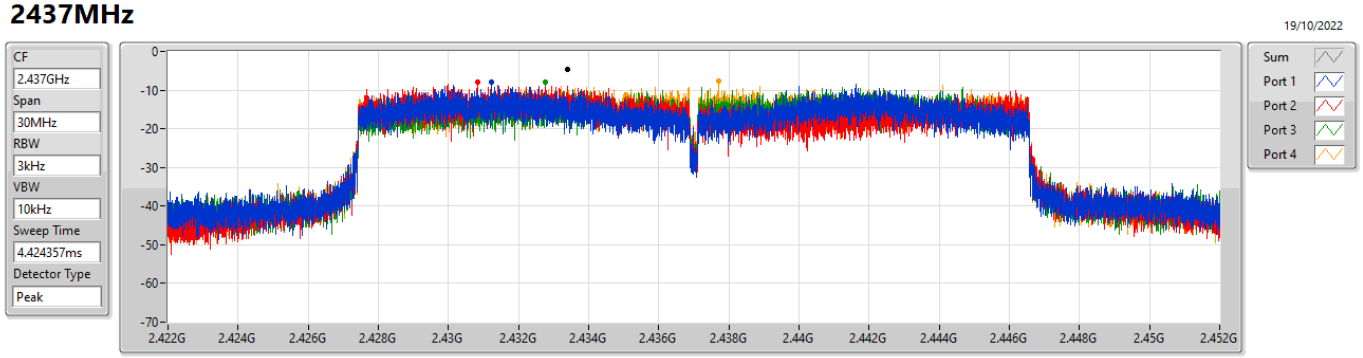
**2412MHz**




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -9.91 | -9.91 | -12.93 | -12.78 | -13.53 | -13.62 |

**2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX** **PSD**

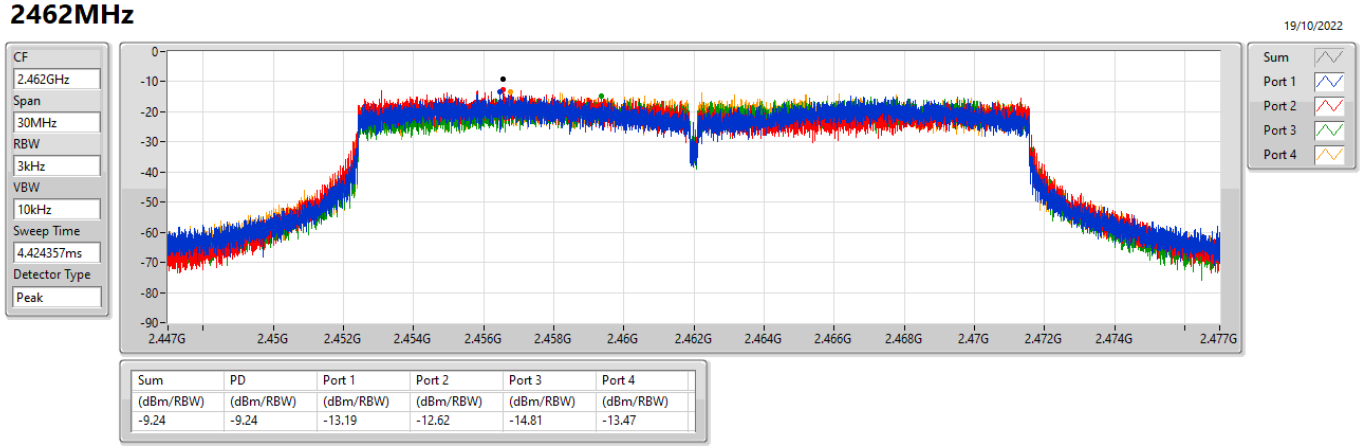
**2437MHz**




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -4.53 | -4.53 | -8.00 | -8.00 | -8.01 | -7.76 |

**2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX** **PSD**

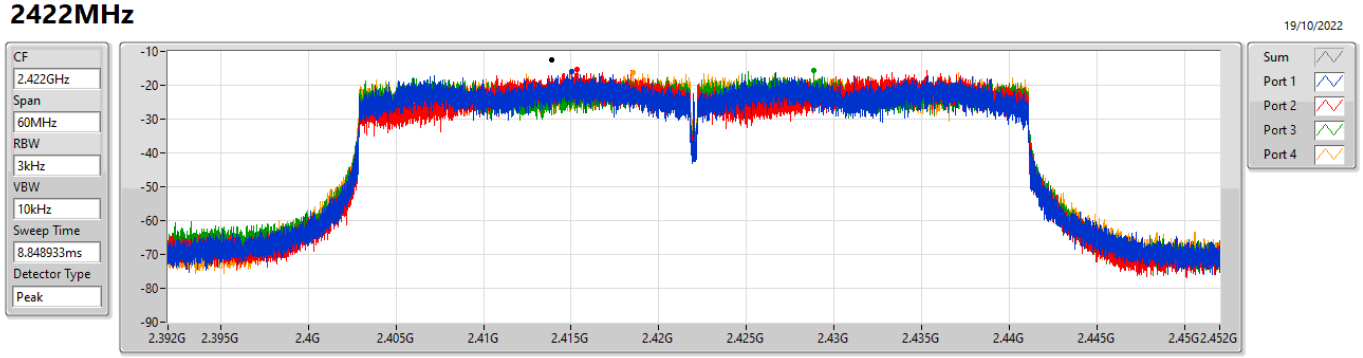
**2462MHz**




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -9.24 | -9.24 | -13.19 | -12.62 | -14.81 | -13.47 |

**2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX** **PSD**

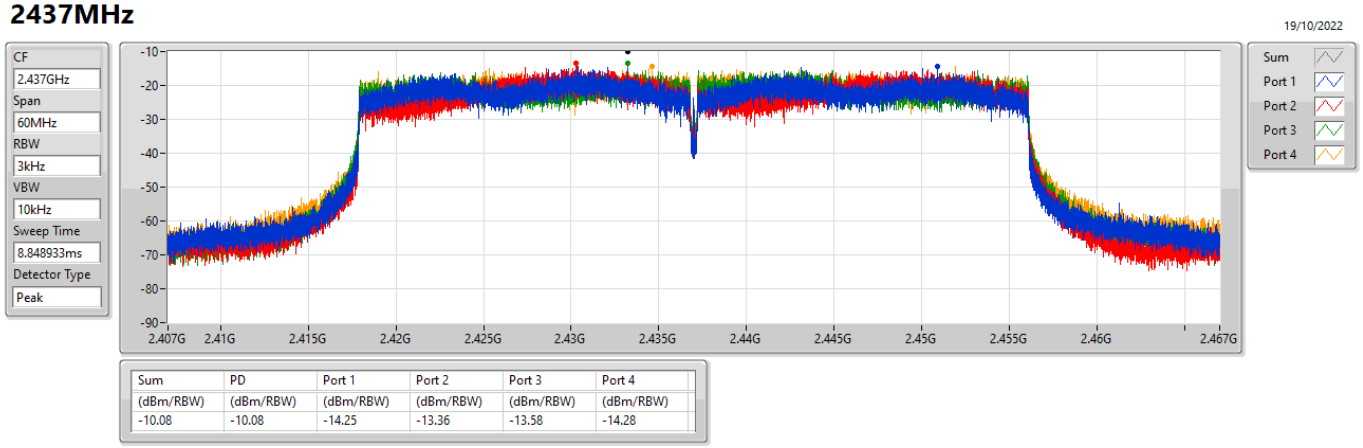
**2422MHz**




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -12.37 | -12.37 | -16.01 | -15.24 | -15.68 | -16.37 |

**2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX** **PSD**

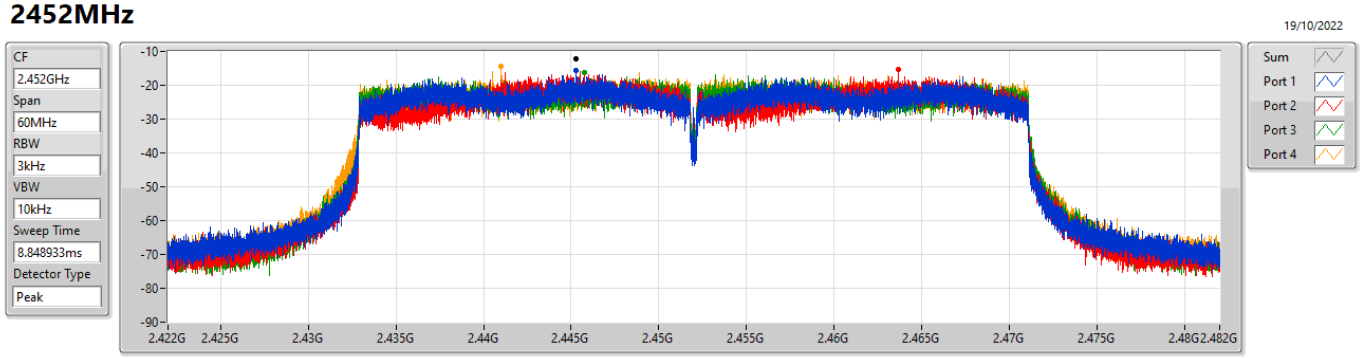
**2437MHz**




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -10.08 | -10.08 | -14.25 | -13.36 | -13.58 | -14.28 |

**2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX** **PSD**

**2452MHz**




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -12.33 | -12.33 | -15.60 | -15.19 | -16.36 | -14.51 |

Summary

| Mode | Result | Ref (Hz) | Ref (dBm) | Limit (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz) | Level (dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.4-2.4835GHz | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 802.11b_Nss1,(1Mbps)_4TX | Pass | 2.43603G | 11.18 | -18.82 | 2.3067G | -51.86 | 2.39652G | -36.67 | 2.4G | -37.10 | 2.50834G | -50.22 | 17.64457G | -47.01 | 3 |
| 802.11g_Nss1,(6Mbps)_4TX | Pass | 2.442G | 9.19 | -20.81 | 1.97497G | -51.54 | 2.39828G | -34.67 | 2.4G | -36.54 | 2.49502G | -49.96 | 6.90361G | -46.14 | 3 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | Pass | 2.442G | 8.76 | -21.24 | 2.30554G | -51.38 | 2.39992G | -35.07 | 2.4G | -37.96 | 2.51822G | -50.58 | 17.66704G | -46.22 | 1 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | Pass | 2.43198G | 2.26 | -27.74 | 595.63M | -51.22 | 2.3994G | -36.77 | 2.4G | -38.57 | 2.4933G | -48.84 | 17.68851G | -45.88 | 3 |

Result

| Mode | Result | Ref (Hz) | Ref (dBm) | Limit (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz) | Level (dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11b_Nss1,(1Mbps)_4TX | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 2.43603G | 11.18 | -18.82 | 1.98138G | -51.55 | 2.4G | -40.96 | 2.4G | -40.42 | 2.49998G | -50.04 | 5.95959G | -46.79 | 1 |
| 2412MHz | Pass | 2.43603G | 11.18 | -18.82 | 2.30874G | -51.54 | 2.39984G | -42.22 | 2.4G | -45.94 | 2.4886G | -50.56 | 5.87812G | -47.23 | 2 |
| 2412MHz | Pass | 2.43603G | 11.18 | -18.82 | 2.3067G | -51.86 | 2.39652G | -36.67 | 2.4G | -37.10 | 2.50834G | -50.22 | 17.64457G | -47.01 | 3 |
| 2412MHz | Pass | 2.43603G | 11.18 | -18.82 | 2.30204G | -51.45 | 2.39972G | -41.26 | 2.4G | -42.18 | 2.49986G | -50.72 | 5.78821G | -45.56 | 4 |
| 2437MHz | Pass | 2.43603G | 11.18 | -18.82 | 1.63828G | -51.48 | 2.39392G | -48.13 | 2.4G | -51.42 | 2.48788G | -49.73 | 17.67547G | -46.75 | 1 |
| 2437MHz | Pass | 2.43603G | 11.18 | -18.82 | 2.17564G | -52.28 | 2.39906G | -49.66 | 2.4G | -51.52 | 2.49152G | -50.06 | 15.21148G | -46.69 | 2 |
| 2437MHz | Pass | 2.43603G | 11.18 | -18.82 | 2.01516G | -51.97 | 2.39728G | -47.55 | 2.4835G | -50.07 | 2.4858G | -48.03 | 24.32851G | -47.03 | 3 |
| 2437MHz | Pass | 2.43603G | 11.18 | -18.82 | 2.12787G | -51.95 | 2.39762G | -50.90 | 2.4G | -52.65 | 2.48602G | -50.79 | 5.96802G | -46.84 | 4 |
| 2462MHz | Pass | 2.43603G | 11.18 | -18.82 | 892.97M | -51.42 | 2.39664G | -50.88 | 2.4835G | -52.06 | 2.5043G | -50.82 | 24.37909G | -46.63 | 1 |
| 2462MHz | Pass | 2.43603G | 11.18 | -18.82 | 2.30525G | -51.25 | 2.3968G | -50.11 | 2.4835G | -50.71 | 2.52156G | -49.66 | 6.99351G | -47.01 | 2 |
| 2462MHz | Pass | 2.43603G | 11.18 | -18.82 | 1.86954G | -52.24 | 2.3948G | -51.20 | 2.4G | -53.26 | 2.49856G | -49.81 | 16.20045G | -46.87 | 3 |
| 2462MHz | Pass | 2.43603G | 11.18 | -18.82 | 922.68M | -51.75 | 2.39582G | -51.35 | 2.4835G | -52.73 | 2.50198G | -50.73 | 6.1956G | -46.78 | 4 |
| 802.11g_Nss1,(6Mbps)_4TX | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 2.442G | 9.19 | -20.81 | 2.1704G | -52.42 | 2.39974G | -36.82 | 2.4G | -38.58 | 2.49468G | -50.56 | 16.70055G | -45.84 | 1 |
| 2412MHz | Pass | 2.442G | 9.19 | -20.81 | 2.00963G | -51.46 | 2.39986G | -35.84 | 2.4G | -37.80 | 2.4885G | -50.60 | 17.64457G | -46.60 | 2 |
| 2412MHz | Pass | 2.442G | 9.19 | -20.81 | 1.97497G | -51.54 | 2.39828G | -34.67 | 2.4G | -36.54 | 2.49502G | -49.96 | 6.90361G | -46.14 | 3 |
| 2412MHz | Pass | 2.442G | 9.19 | -20.81 | 929.67M | -52.08 | 2.39998G | -37.71 | 2.4G | -37.07 | 2.50202G | -50.52 | 16.22293G | -46.22 | 4 |
| 2437MHz | Pass | 2.442G | 9.19 | -20.81 | 897.93M | -51.66 | 2.39634G | -38.05 | 2.4G | -40.58 | 2.48392G | -43.88 | 17.68109G | -45.77 | 1 |
| 2437MHz | Pass | 2.442G | 9.19 | -20.81 | 2.30525G | -51.19 | 2.39644G | -41.88 | 2.4G | -43.05 | 2.48354G | -44.38 | 5.98207G | -46.55 | 2 |
| 2437MHz | Pass | 2.442G | 9.19 | -20.81 | 2.19748G | -51.02 | 2.39984G | -37.27 | 2.4G | -40.87 | 2.48454G | -43.60 | 6.00174G | -46.76 | 3 |
| 2437MHz | Pass | 2.442G | 9.19 | -20.81 | 2.06263G | -51.18 | 2.39954G | -41.37 | 2.4G | -45.60 | 2.4861G | -47.41 | 16.64155G | -46.87 | 4 |
| 2462MHz | Pass | 2.442G | 9.19 | -20.81 | 2.30874G | -51.91 | 2.39288G | -51.19 | 2.4835G | -50.74 | 2.48404G | -48.48 | 17.61366G | -46.45 | 1 |
| 2462MHz | Pass | 2.442G | 9.19 | -20.81 | 809.97M | -51.06 | 2.39614G | -51.23 | 2.4835G | -51.67 | 2.48356G | -48.37 | 15.21429G | -46.55 | 2 |
| 2462MHz | Pass | 2.442G | 9.19 | -20.81 | 876.96M | -51.99 | 2.39098G | -50.83 | 2.4835G | -50.31 | 2.48388G | -47.61 | 6.74065G | -46.52 | 3 |
| 2462MHz | Pass | 2.442G | 9.19 | -20.81 | 573.76M | -51.64 | 2.3962G | -50.52 | 2.4835G | -50.26 | 2.4836G | -48.84 | 17.64176G | -46.04 | 4 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 2.442G | 8.76 | -21.24 | 2.30554G | -51.38 | 2.39992G | -35.07 | 2.4G | -37.96 | 2.51822G | -50.58 | 17.66704G | -46.22 | 1 |
| 2412MHz | Pass | 2.442G | 8.76 | -21.24 | 2.30845G | -51.78 | 2.39942G | -37.23 | 2.4G | -38.32 | 2.50428G | -50.24 | 5.84159G | -46.96 | 2 |
| 2412MHz | Pass | 2.442G | 8.76 | -21.24 | 2.12554G | -52.51 | 2.4G | -37.01 | 2.4G | -38.11 | 2.5071G | -50.03 | 17.19504G | -46.98 | 3 |
| 2412MHz | Pass | 2.442G | 8.76 | -21.24 | 628.52M | -51.83 | 2.3998G | -35.19 | 2.4G | -37.77 | 2.52048G | -50.14 | 5.9315G | -45.74 | 4 |
| 2437MHz | Pass | 2.442G | 8.76 | -21.24 | 1.94206G | -51.73 | 2.3998G | -35.97 | 2.4G | -38.31 | 2.4837G | -44.02 | 17.66142G | -46.78 | 1 |
| 2437MHz | Pass | 2.442G | 8.76 | -21.24 | 1.92633G | -51.38 | 2.39992G | -37.43 | 2.4G | -39.32 | 2.48382G | -43.23 | 6.02983G | -46.93 | 2 |
| 2437MHz | Pass | 2.442G | 8.76 | -21.24 | 885.69M | -51.62 | 2.39894G | -36.25 | 2.4G | -40.87 | 2.48358G | -43.20 | 16.38307G | -45.79 | 3 |
| 2437MHz | Pass | 2.442G | 8.76 | -21.24 | 2.14972G | -52.33 | 2.39884G | -39.09 | 2.4G | -41.63 | 2.48464G | -45.61 | 17.60804G | -46.53 | 4 |
| 2462MHz | Pass | 2.442G | 8.76 | -21.24 | 821.91M | -51.83 | 2.39848G | -51.15 | 2.4835G | -47.40 | 2.48416G | -47.41 | 5.95959G | -46.90 | 1 |
| 2462MHz | Pass | 2.442G | 8.76 | -21.24 | 2.14098G | -52.03 | 2.39254G | -50.98 | 2.4835G | -50.91 | 2.48446G | -48.95 | 17.67828G | -45.91 | 2 |
| 2462MHz | Pass | 2.442G | 8.76 | -21.24 | 833.27M | -52.53 | 2.3913G | -51.76 | 2.4835G | -51.31 | 2.48412G | -49.89 | 16.89722G | -47.16 | 3 |
| 2462MHz | Pass | 2.442G | 8.76 | -21.24 | 2.30408G | -51.84 | 2.39466G | -50.08 | 2.4835G | -49.35 | 2.48368G | -47.59 | 17.65861G | -47.11 | 4 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2422MHz | Pass | 2.43198G | 2.26 | -27.74 | 828.92M | -52.37 | 2.3984G | -39.22 | 2.4G | -41.62 | 2.49814G | -50.14 | 17.09394G | -46.62 | 1 |
| 2422MHz | Pass | 2.43198G | 2.26 | -27.74 | 2.30426G | -51.97 | 2.39556G | -37.91 | 2.4G | -40.14 | 2.49602G | -50.17 | 16.22172G | -46.31 | 2 |
| 2422MHz | Pass | 2.43198G | 2.26 | -27.74 | 595.63M | -51.22 | 2.3994G | -36.77 | 2.4G | -38.57 | 2.4933G | -48.84 | 17.68851G | -45.88 | 3 |
| 2422MHz | Pass | 2.43198G | 2.26 | -27.74 | 775.68M | -50.97 | 2.39992G | -38.37 | 2.4G | -39.13 | 2.5455G | -50.24 | 17.67448G | -45.95 | 4 |
| 2437MHz | Pass | 2.43198G | 2.26 | -27.74 | 2.30254G | -51.34 | 2.399G | -41.20 | 2.4G | -41.07 | 2.48362G | -45.48 | 17.09113G | -46.48 | 1 |
| 2437MHz | Pass | 2.43198G | 2.26 | -27.74 | 1.88605G | -51.98 | 2.39156G | -43.19 | 2.4G | -47.96 | 2.48494G | -46.88 | 5.92898G | -46.99 | 2 |
| 2437MHz | Pass | 2.43198G | 2.26 | -27.74 | 2.09959G | -52.06 | 2.3994G | -41.09 | 2.4G | -43.16 | 2.48474G | -44.35 | 16.22452G | -47.06 | 3 |
| 2437MHz | Pass | 2.43198G | 2.26 | -27.74 | 859.27M | -52.13 | 2.39956G | -39.92 | 2.4G | -41.18 | 2.4843G | -44.93 | 6.7451G | -46.05 | 4 |
| 2452MHz | Pass | 2.43198G | 2.26 | -27.74 | 1.89005G | -52.07 | 2.3908G | -49.69 | 2.4835G | -47.25 | 2.4867G | -43.14 | 16.20209G | -46.37 | 1 |
| 2452MHz | Pass | 2.43198G | 2.26 | -27.74 | 2.01572G | -51.61 | 2.39564G | -50.86 | 2.4835G | -50.22 | 2.48446G | -41.58 | 24.89343G | -47.17 | 2 |
| 2452MHz | Pass | 2.43198G | 2.26 | -27.74 | 890.47M | -51.86 | 2.39664G | -49.97 | 2.4835G | -50.68 | 2.48446G | -48.27 | 5.97104G | -46.80 | 3 |
| 2452MHz | Pass | 2.43198G | 2.26 | -27.74 | 931.4M | -52.35 | 2.39952G | -51.21 | 2.4835G | -48.97 | 2.48366G | -46.18 | 23.4014G | -46.14 | 4 |

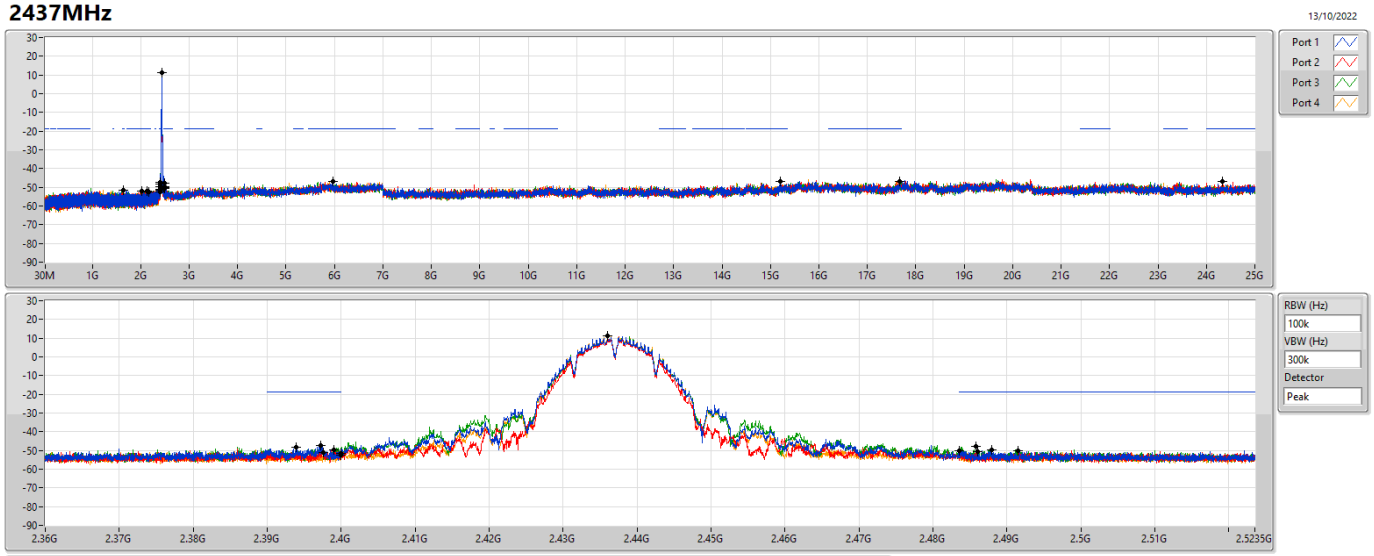
**802.11b_Nss1,(1Mbps)_4TX** **CSENdB**

**2412MHz**


| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.43603G | 11.18 | -18.82 | 1.98138G | -51.55 | 2.4G | -40.96 | 2.4G | -40.42 | 2.49998G | -50.04 | 5.95959G | -46.79 | 1 |
| 2.43603G | 11.18 | -18.82 | 2.30874G | -51.54 | 2.39984G | -42.22 | 2.4G | -45.94 | 2.4886G | -50.56 | 5.87812G | -47.23 | 2 |
| 2.43603G | 11.18 | -18.82 | 2.3067G | -51.86 | 2.39652G | -36.67 | 2.4G | -37.10 | 2.50834G | -50.22 | 17.64457G | -47.01 | 3 |
| 2.43603G | 11.18 | -18.82 | 2.30204G | -51.45 | 2.39972G | -41.26 | 2.4G | -42.18 | 2.49986G | -50.72 | 5.78821G | -45.56 | 4 |

**802.11b_Nss1,(1Mbps)_4TX** **CSENdB**

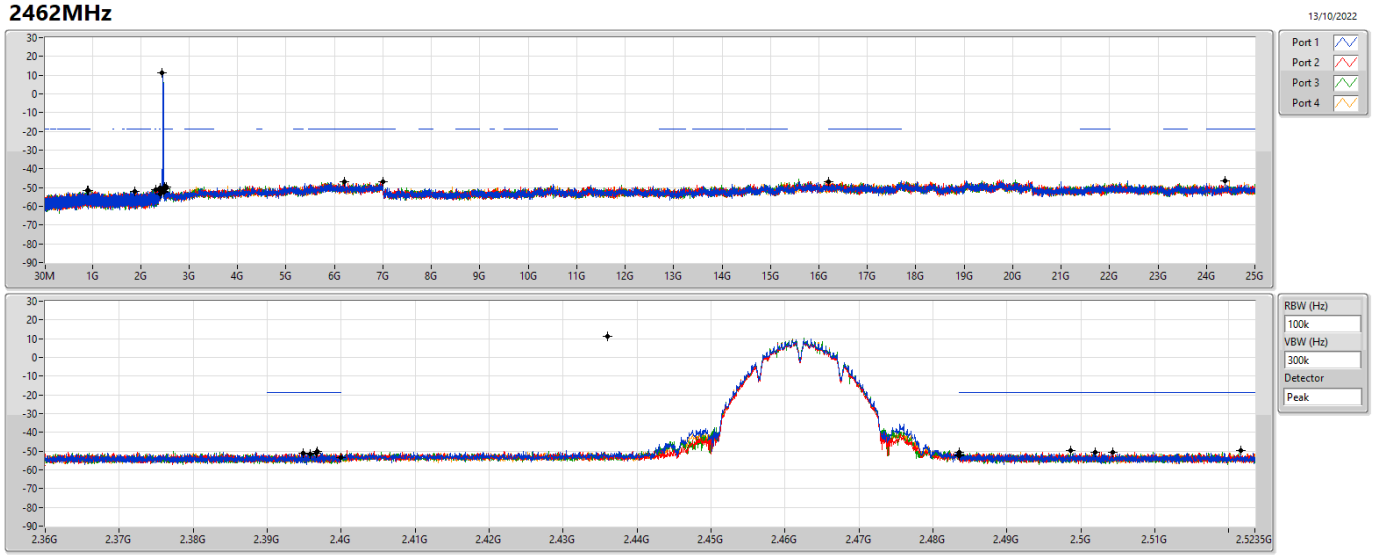
**2437MHz**




| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.43603G | 11.18 | -18.82 | 1.63828G | -51.48 | 2.39392G | -48.13 | 2.4G | -51.42 | 2.48788G | -49.73 | 17.67547G | -46.75 | 1 |
| 2.43603G | 11.18 | -18.82 | 2.17564G | -52.28 | 2.39906G | -49.66 | 2.4G | -51.52 | 2.49152G | -50.06 | 15.21148G | -46.69 | 2 |
| 2.43603G | 11.18 | -18.82 | 2.01516G | -51.97 | 2.39728G | -47.55 | 2.4835G | -50.07 | 2.4858G | -48.03 | 24.32851G | -47.03 | 3 |
| 2.43603G | 11.18 | -18.82 | 2.12787G | -51.95 | 2.39762G | -50.90 | 2.4G | -52.65 | 2.48602G | -50.79 | 5.96802G | -46.84 | 4 |

**802.11b_Nss1,(1Mbps)_4TX** **CSENdB**

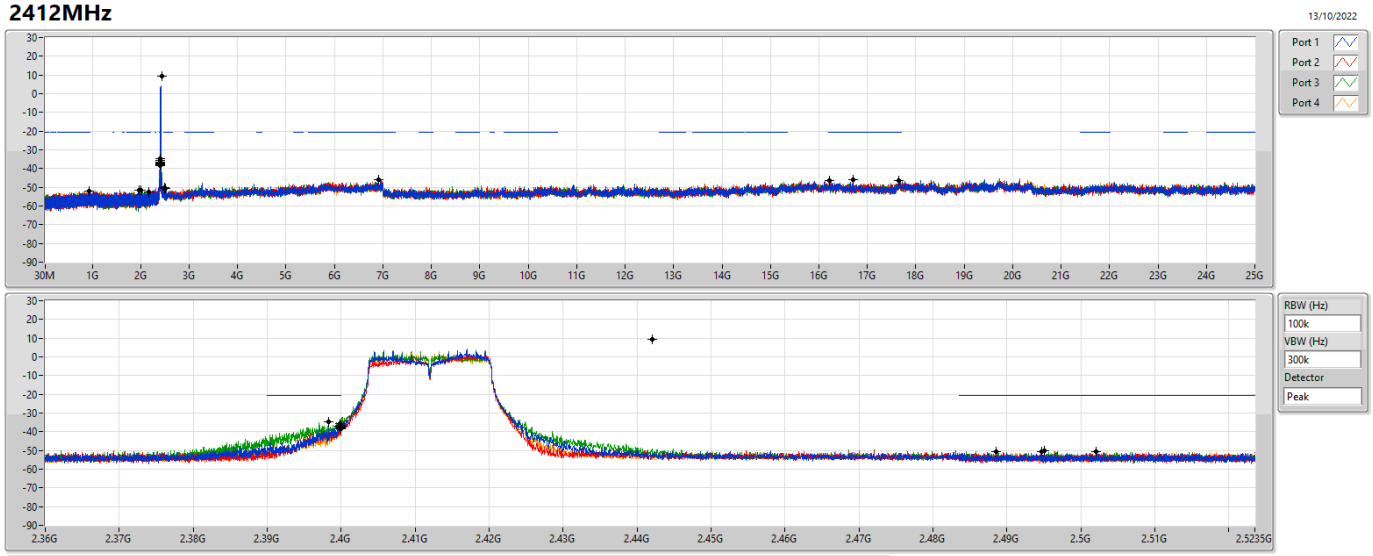
**2462MHz**




| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.43603G | 11.18 | -18.82 | 892.97M | -51.42 | 2.39664G | -50.88 | 2.4835G | -52.06 | 2.5043G | -50.82 | 24.37909G | -46.63 | 1 |
| 2.43603G | 11.18 | -18.82 | 2.30525G | -51.25 | 2.3968G | -50.11 | 2.4835G | -50.71 | 2.52156G | -49.66 | 6.99351G | -47.01 | 2 |
| 2.43603G | 11.18 | -18.82 | 1.86954G | -52.24 | 2.3948G | -51.20 | 2.4G | -53.26 | 2.49856G | -49.81 | 16.20045G | -46.87 | 3 |
| 2.43603G | 11.18 | -18.82 | 922.68M | -51.75 | 2.39582G | -51.35 | 2.4835G | -52.73 | 2.50198G | -50.73 | 6.1956G | -46.78 | 4 |

**802.11g_Nss1,(6Mbps)_4TX** **CSENdB**

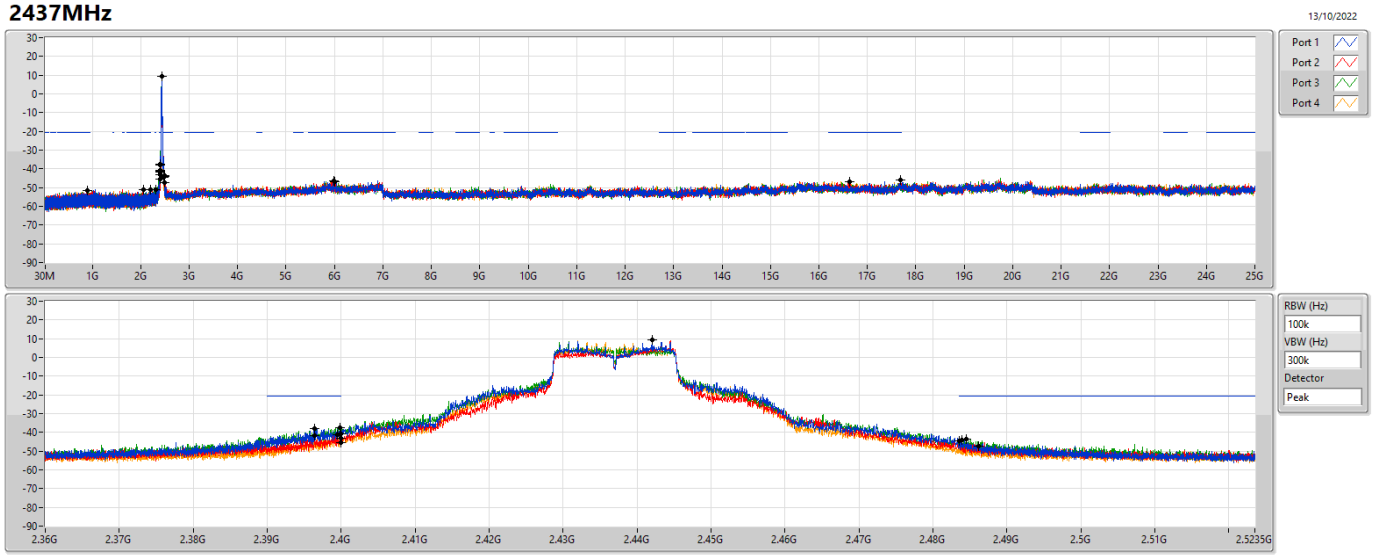
**2412MHz**




| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.442G | 9.19 | -20.81 | 2.1704G | -52.42 | 2.39974G | -36.82 | 2.4G | -38.58 | 2.49468G | -50.56 | 16.70055G | -45.84 | 1 |
| 2.442G | 9.19 | -20.81 | 2.00963G | -51.46 | 2.39986G | -35.84 | 2.4G | -37.80 | 2.4885G | -50.60 | 17.64457G | -46.60 | 2 |
| 2.442G | 9.19 | -20.81 | 1.97497G | -51.54 | 2.39828G | -34.67 | 2.4G | -36.54 | 2.49502G | -49.96 | 6.90361G | -46.14 | 3 |
| 2.442G | 9.19 | -20.81 | 929.67M | -52.08 | 2.39998G | -37.71 | 2.4G | -37.07 | 2.50202G | -50.52 | 16.22293G | -46.22 | 4 |

**802.11g_Nss1,(6Mbps)_4TX** **CSENdB**

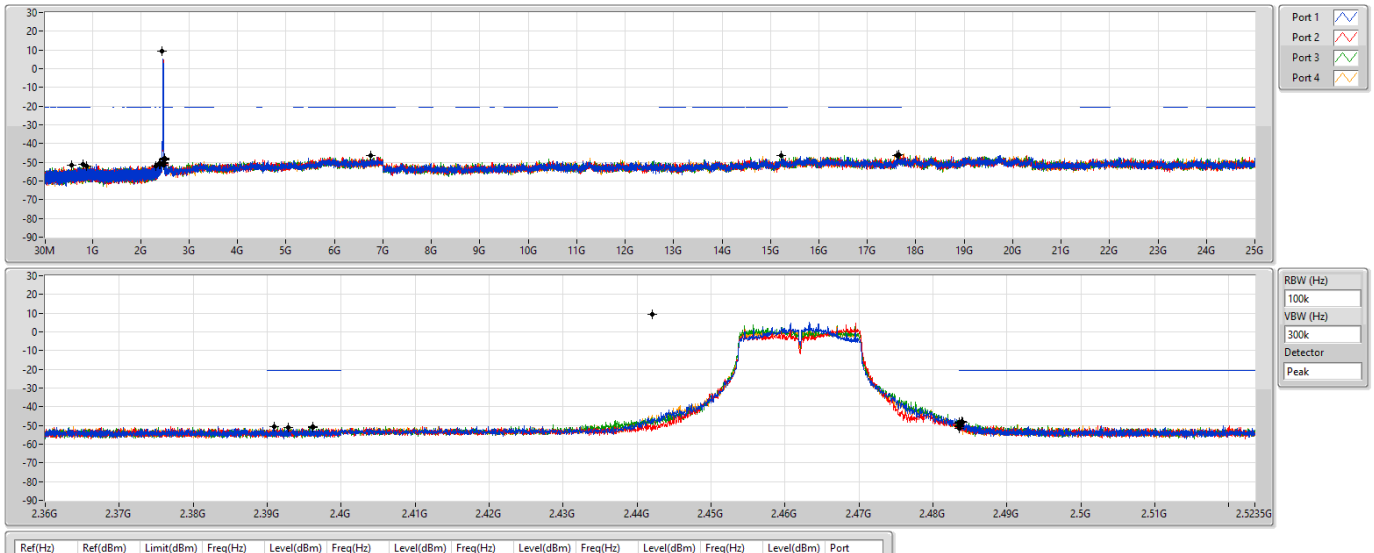
**2437MHz**




| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.442G | 9.19 | -20.81 | 897.93M | -51.66 | 2.39634G | -38.05 | 2.4G | -40.58 | 2.48392G | -43.88 | 17.68109G | -45.77 | 1 |
| 2.442G | 9.19 | -20.81 | 2.30525G | -51.19 | 2.39644G | -41.88 | 2.4G | -43.05 | 2.48354G | -44.38 | 5.98207G | -46.55 | 2 |
| 2.442G | 9.19 | -20.81 | 2.19748G | -51.02 | 2.39984G | -37.27 | 2.4G | -40.87 | 2.48454G | -43.60 | 6.00174G | -46.76 | 3 |
| 2.442G | 9.19 | -20.81 | 2.06263G | -51.18 | 2.39954G | -41.37 | 2.4G | -45.60 | 2.4861G | -47.41 | 16.64155G | -46.87 | 4 |

**802.11g_Nss1,(6Mbps)_4TX** **CSENdB**

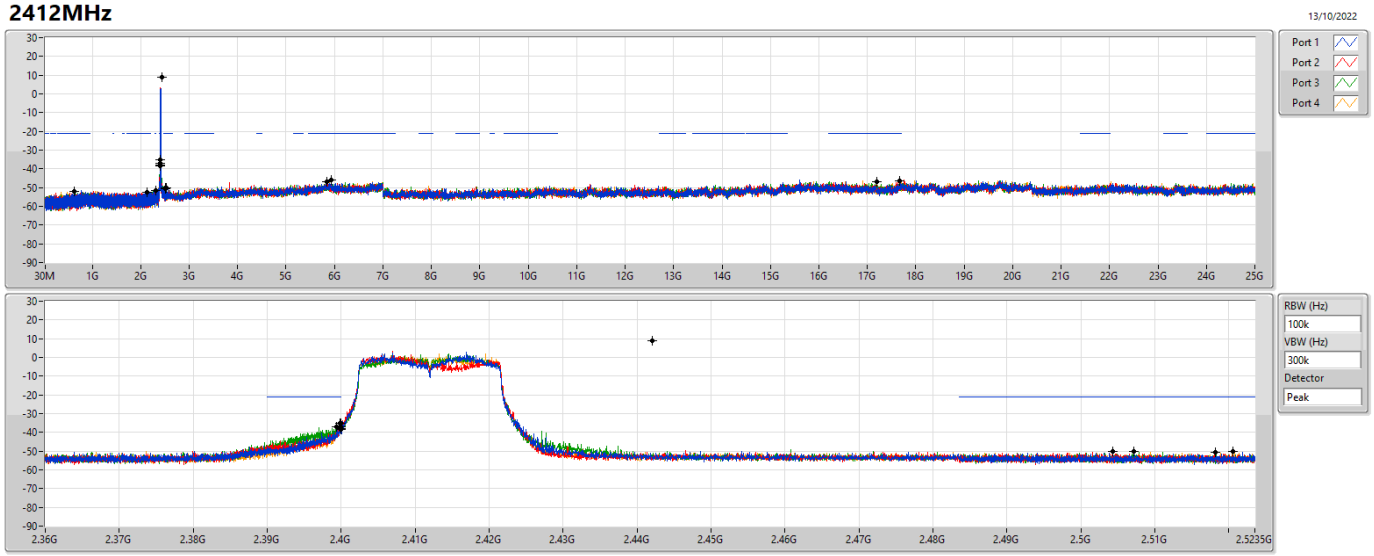
**2462MHz**




| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.442G | 9.19 | -20.81 | 2.30874G | -51.91 | 2.39288G | -51.19 | 2.4835G | -50.74 | 2.48404G | -48.48 | 17.61366G | -46.45 | 1 |
| 2.442G | 9.19 | -20.81 | 809.97M | -51.06 | 2.39614G | -51.23 | 2.4835G | -51.67 | 2.48356G | -48.37 | 15.21429G | -46.55 | 2 |
| 2.442G | 9.19 | -20.81 | 876.96M | -51.99 | 2.39098G | -50.83 | 2.4835G | -50.31 | 2.48388G | -47.61 | 6.74065G | -46.52 | 3 |
| 2.442G | 9.19 | -20.81 | 573.76M | -51.64 | 2.3962G | -50.52 | 2.4835G | -50.26 | 2.4836G | -48.84 | 17.64176G | -46.04 | 4 |

**802.11ax HEW20_Nss1,(MCS0)_4TX** **CSENdB**

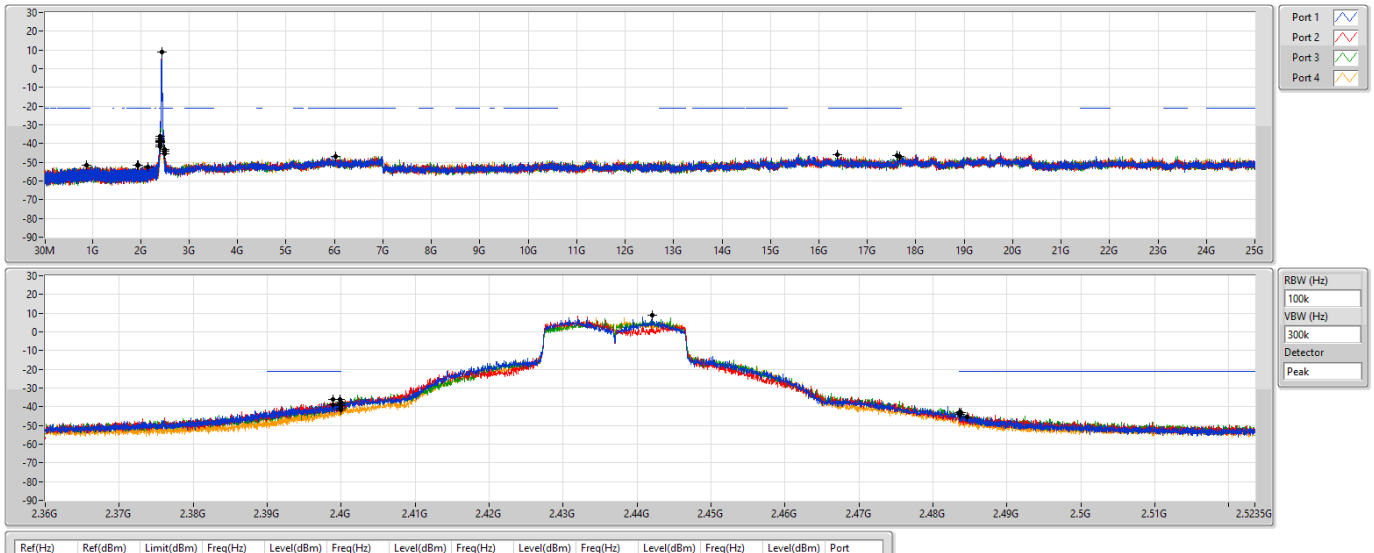
**2412MHz**




| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.442G | 8.76 | -21.24 | 2.30554G | -51.38 | 2.39992G | -35.07 | 2.4G | -37.96 | 2.51822G | -50.58 | 17.66704G | -46.22 | 1 |
| 2.442G | 8.76 | -21.24 | 2.30845G | -51.78 | 2.39942G | -37.23 | 2.4G | -38.32 | 2.50428G | -50.24 | 5.84159G | -46.96 | 2 |
| 2.442G | 8.76 | -21.24 | 2.12554G | -52.51 | 2.4G | -37.01 | 2.4G | -38.11 | 2.5071G | -50.03 | 17.19504G | -46.98 | 3 |
| 2.442G | 8.76 | -21.24 | 628.52M | -51.83 | 2.3998G | -35.19 | 2.4G | -37.77 | 2.52048G | -50.14 | 5.9315G | -45.74 | 4 |

**802.11ax HEW20_Nss1,(MCS0)_4TX** **CSENdB**

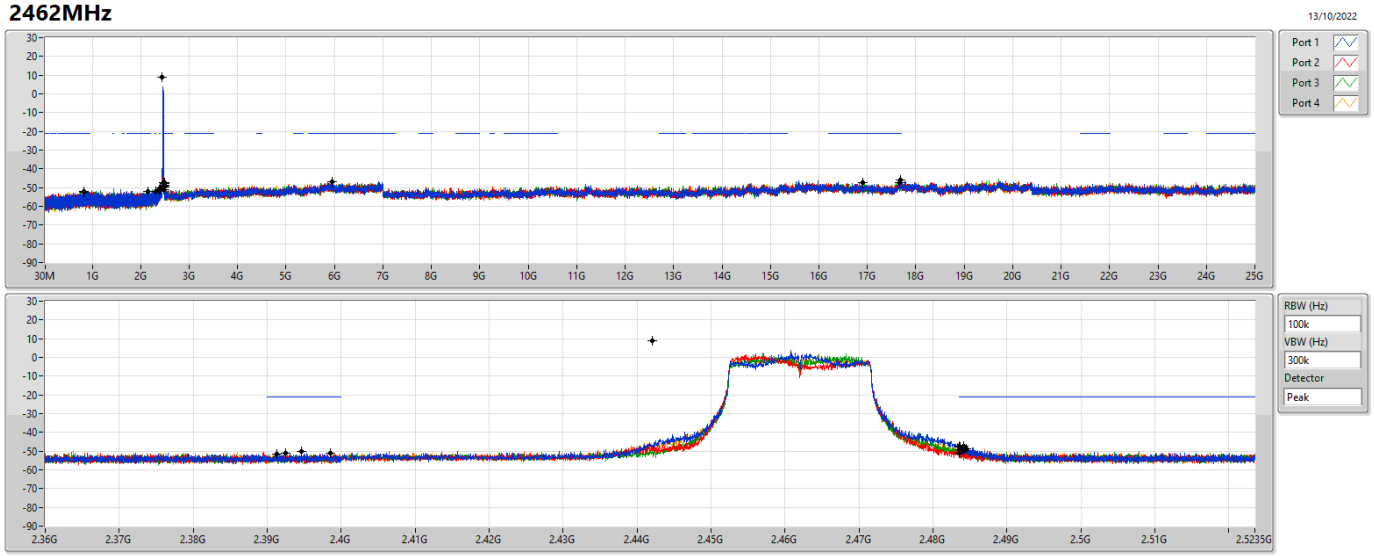
**2437MHz**




| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.442G | 8.76 | -21.24 | 1.94206G | -51.73 | 2.3998G | -35.97 | 2.4G | -38.31 | 2.4837G | -44.02 | 17.66142G | -46.78 | 1 |
| 2.442G | 8.76 | -21.24 | 1.92633G | -51.38 | 2.39992G | -37.43 | 2.4G | -39.32 | 2.48382G | -43.23 | 6.02983G | -46.93 | 2 |
| 2.442G | 8.76 | -21.24 | 885.69M | -51.62 | 2.39894G | -36.25 | 2.4G | -40.87 | 2.48358G | -43.20 | 16.38307G | -45.79 | 3 |
| 2.442G | 8.76 | -21.24 | 2.14972G | -52.33 | 2.39884G | -39.09 | 2.4G | -41.63 | 2.48464G | -45.61 | 17.60804G | -46.53 | 4 |

**802.11ax HEW20_Nss1,(MCS0)_4TX** **CSENdB**

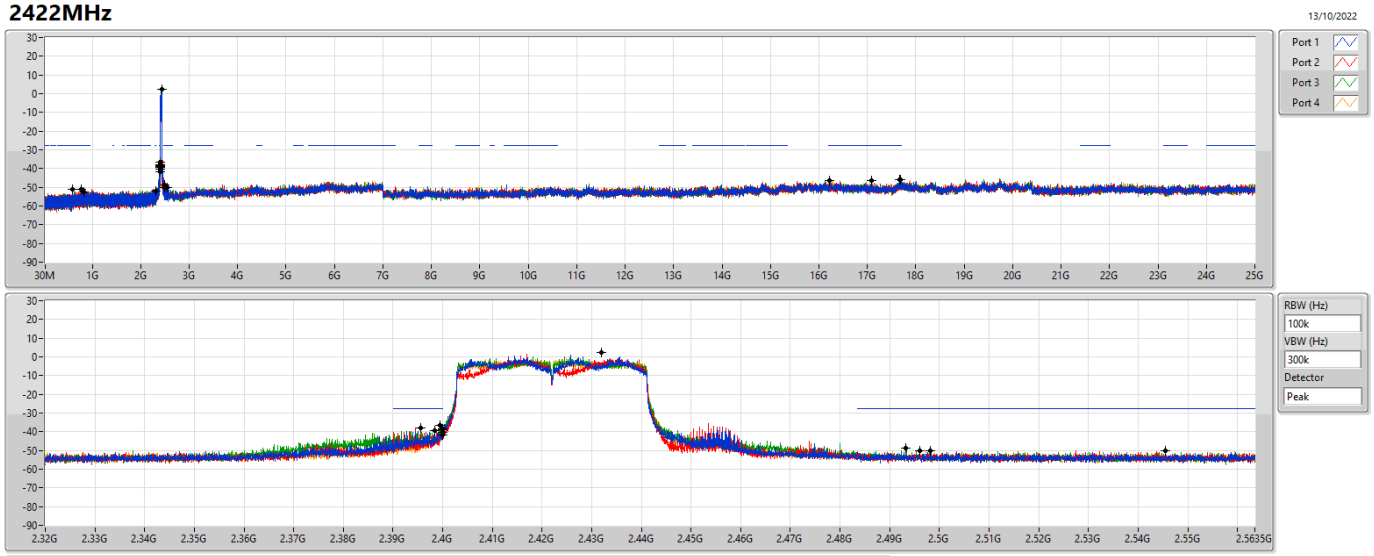
**2462MHz**




| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.442G | 8.76 | -21.24 | 821.91M | -51.83 | 2.39848G | -51.15 | 2.4835G | -47.40 | 2.48416G | -47.41 | 5.95959G | -46.90 | 1 |
| 2.442G | 8.76 | -21.24 | 2.14098G | -52.03 | 2.39254G | -50.98 | 2.4835G | -50.91 | 2.48446G | -48.95 | 17.67828G | -45.91 | 2 |
| 2.442G | 8.76 | -21.24 | 833.27M | -52.53 | 2.3913G | -51.76 | 2.4835G | -51.31 | 2.48412G | -49.89 | 16.89722G | -47.16 | 3 |
| 2.442G | 8.76 | -21.24 | 2.30408G | -51.84 | 2.39466G | -50.08 | 2.4835G | -49.35 | 2.48368G | -47.59 | 17.65861G | -47.11 | 4 |

**802.11ax HEW40_Nss1,(MCS0)_4TX** **CSENdB**

**2422MHz**




| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.43198G | 2.26 | -27.74 | 828.92M | -52.37 | 2.3984G | -39.22 | 2.4G | -41.62 | 2.49814G | -50.14 | 17.09394G | -46.62 | 1 |
| 2.43198G | 2.26 | -27.74 | 2.30426G | -51.97 | 2.39556G | -37.91 | 2.4G | -40.14 | 2.49602G | -50.17 | 16.22172G | -46.31 | 2 |
| 2.43198G | 2.26 | -27.74 | 595.63M | -51.22 | 2.3994G | -36.77 | 2.4G | -38.57 | 2.4933G | -48.84 | 17.68851G | -45.88 | 3 |
| 2.43198G | 2.26 | -27.74 | 775.68M | -50.97 | 2.39992G | -38.37 | 2.4G | -39.13 | 2.5455G | -50.24 | 17.67448G | -45.95 | 4 |

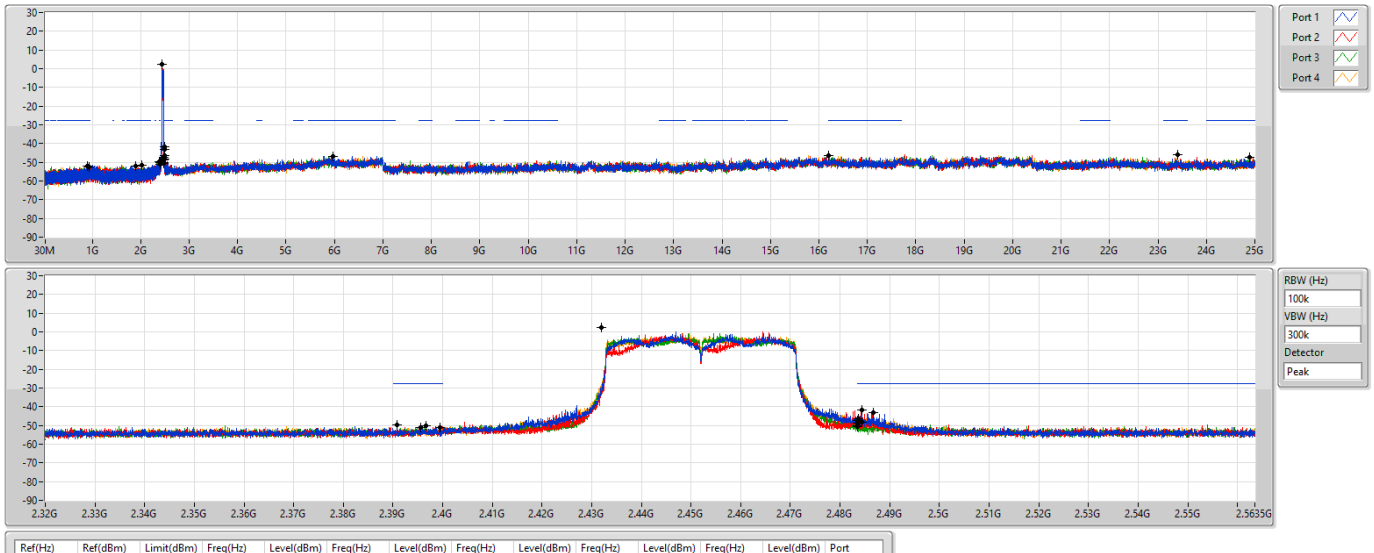
**802.11ax HEW40_Nss1,(MCS0)_4TX** **CSENdB**

**2437MHz**


| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.43198G | 2.26 | -27.74 | 2.30254G | -51.34 | 2.399G | -41.20 | 2.4G | -41.07 | 2.48362G | -45.48 | 17.09113G | -46.48 | 1 |
| 2.43198G | 2.26 | -27.74 | 1.88605G | -51.98 | 2.39156G | -43.19 | 2.4G | -47.96 | 2.48494G | -46.88 | 5.92898G | -46.99 | 2 |
| 2.43198G | 2.26 | -27.74 | 2.09959G | -52.06 | 2.3994G | -41.09 | 2.4G | -43.16 | 2.48474G | -44.35 | 16.22452G | -47.06 | 3 |
| 2.43198G | 2.26 | -27.74 | 859.27M | -52.13 | 2.39956G | -39.92 | 2.4G | -41.18 | 2.4843G | -44.93 | 6.7451G | -46.05 | 4 |

**802.11ax HEW40_Nss1,(MCS0)_4TX** **CSENdB**

**2452MHz**




| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.43198G | 2.26 | -27.74 | 1.89005G | -52.07 | 2.3908G | -49.69 | 2.4835G | -47.25 | 2.4867G | -43.14 | 16.20209G | -46.37 | 1 |
| 2.43198G | 2.26 | -27.74 | 2.01572G | -51.61 | 2.39564G | -50.86 | 2.4835G | -50.22 | 2.48446G | -41.58 | 24.89343G | -47.17 | 2 |
| 2.43198G | 2.26 | -27.74 | 890.47M | -51.86 | 2.39664G | -49.97 | 2.4835G | -50.68 | 2.48446G | -48.27 | 5.97104G | -46.80 | 3 |
| 2.43198G | 2.26 | -27.74 | 931.4M | -52.35 | 2.39952G | -51.21 | 2.4835G | -48.97 | 2.48366G | -46.18 | 23.4014G | -46.14 | 4 |

Summary

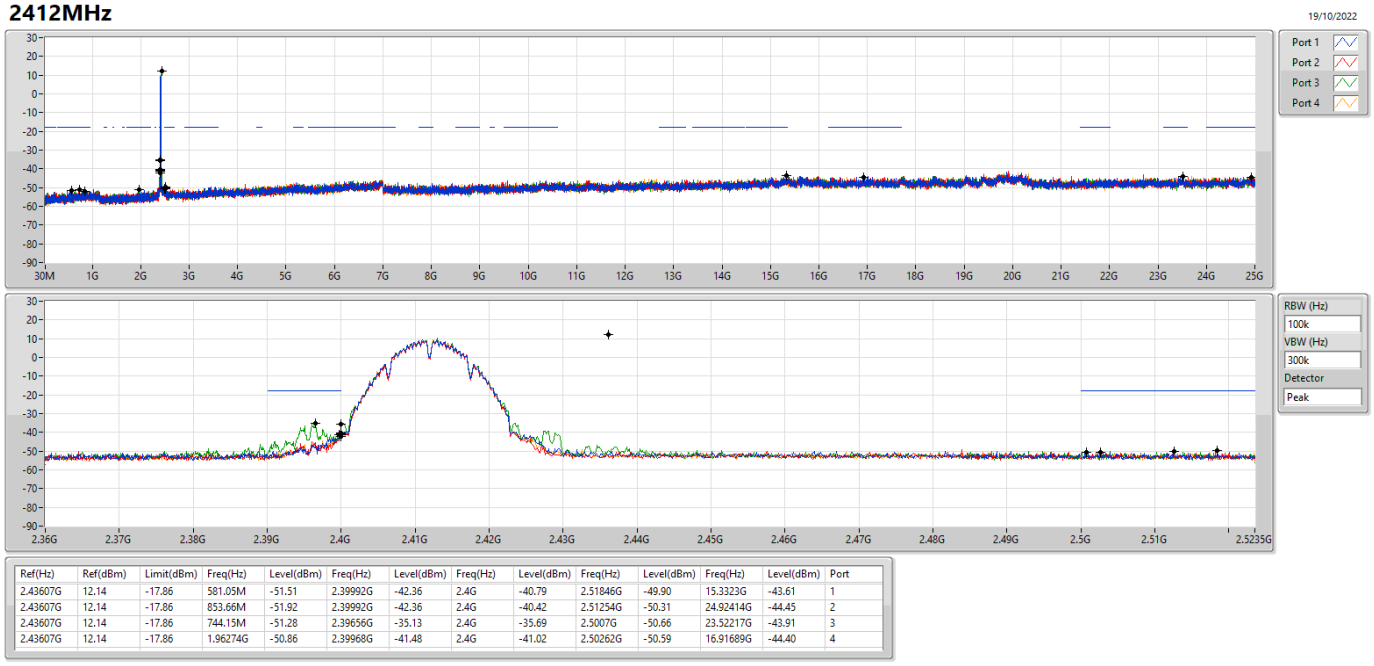
| Mode | Result | Ref (Hz) | Ref (dBm) | Limit (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz) | Level (dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.4-2.4835GHz | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 802.11b_Nss1,(1Mbps)_4TX | Pass | 2.43607G | 12.14 | -17.86 | 744.15M | -51.28 | 2.39656G | -35.13 | 2.4G | -35.69 | 2.5007G | -50.66 | 23.52217G | -43.91 | 3 |
| 802.11g_Nss1,(6Mbps)_4TX | Pass | 2.44442G | 7.61 | -22.39 | 2.13516G | -51.73 | 2.39832G | -37.16 | 2.4G | -34.47 | 2.51446G | -50.72 | 24.8539G | -43.40 | 3 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | Pass | 2.4319G | 7.91 | -22.09 | 660.27M | -52.23 | 2.39984G | -37.91 | 2.4G | -35.02 | 2.51934G | -49.66 | 24.86795G | -43.98 | 2 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | Pass | 2.42939G | 1.00 | -29.00 | 868.14M | -51.79 | 2.39984G | -41.90 | 2.4G | -39.81 | 2.55998G | -49.97 | 17.69411G | -43.88 | 4 |

Result

| Mode | Result | Ref (Hz) | Ref (dBm) | Limit (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz) | Level (dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11b_Nss1,(1Mbps)_4TX | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 2.43607G | 12.14 | -17.86 | 581.05M | -51.51 | 2.39992G | -42.36 | 2.4G | -40.79 | 2.51846G | -49.90 | 15.3323G | -43.61 | 1 |
| 2412MHz | Pass | 2.43607G | 12.14 | -17.86 | 853.66M | -51.92 | 2.39992G | -42.36 | 2.4G | -40.42 | 2.51254G | -50.31 | 24.92414G | -44.45 | 2 |
| 2412MHz | Pass | 2.43607G | 12.14 | -17.86 | 744.15M | -51.28 | 2.39656G | -35.13 | 2.4G | -35.69 | 2.5007G | -50.66 | 23.52217G | -43.91 | 3 |
| 2412MHz | Pass | 2.43607G | 12.14 | -17.86 | 1.96274G | -50.86 | 2.39968G | -41.48 | 2.4G | -41.02 | 2.50262G | -50.59 | 16.91689G | -44.40 | 4 |
| 2417MHz | | | | | | | | | | | | | | | |
| 2437MHz | Pass | 2.43607G | 12.14 | -17.86 | 2.11768G | -52.19 | 2.3976G | -47.68 | 2.4G | -52.28 | 2.52222G | -50.15 | 15.3042G | -43.94 | 1 |
| 2437MHz | Pass | 2.43607G | 12.14 | -17.86 | 763.95M | -51.08 | 2.39928G | -49.62 | 2.4G | -49.64 | 2.51182G | -50.73 | 21.80272G | -43.60 | 2 |
| 2437MHz | Pass | 2.43607G | 12.14 | -17.86 | 847.83M | -51.19 | 2.39648G | -48.66 | 2.4G | -51.42 | 2.50246G | -49.75 | 23.18783G | -44.07 | 3 |
| 2437MHz | Pass | 2.43607G | 12.14 | -17.86 | 858.32M | -51.16 | 2.39904G | -50.57 | 2.4G | -51.17 | 2.50078G | -49.88 | 17.06018G | -43.50 | 4 |
| 2457MHz | | | | | | | | | | | | | | | |
| 2462MHz | Pass | 2.43607G | 12.14 | -17.86 | 839.68M | -51.61 | 2.396G | -51.40 | 2.4G | -52.50 | 2.50606G | -49.86 | 24.85952G | -43.50 | 1 |
| 2462MHz | Pass | 2.43607G | 12.14 | -17.86 | 2.11186G | -52.37 | 2.39096G | -51.48 | 2.4G | -52.23 | 2.50678G | -50.44 | 21.69876G | -44.07 | 2 |
| 2462MHz | Pass | 2.43607G | 12.14 | -17.86 | 858.32M | -51.52 | 2.39632G | -50.75 | 2.4G | -51.94 | 2.5179G | -50.31 | 21.81677G | -44.21 | 3 |
| 2462MHz | Pass | 2.43607G | 12.14 | -17.86 | 945.69M | -51.95 | 2.39888G | -51.37 | 2.4G | -53.88 | 2.52142G | -50.40 | 23.44631G | -43.33 | 4 |
| 802.11g_Nss1,(6Mbps)_4TX | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 2.44442G | 7.61 | -22.39 | 529.79M | -51.43 | 2.39968G | -37.67 | 2.4G | -38.03 | 2.51422G | -50.64 | 24.06161G | -43.27 | 1 |
| 2412MHz | Pass | 2.44442G | 7.61 | -22.39 | 836.18M | -51.36 | 2.39984G | -35.07 | 2.4G | -38.60 | 2.50862G | -49.96 | 23.13164G | -44.48 | 2 |
| 2412MHz | Pass | 2.44442G | 7.61 | -22.39 | 2.13516G | -51.73 | 2.39832G | -37.16 | 2.4G | -34.47 | 2.51446G | -50.72 | 24.8539G | -43.40 | 3 |
| 2412MHz | Pass | 2.44442G | 7.61 | -22.39 | 890.94M | -50.83 | 2.4G | -38.05 | 2.4G | -37.53 | 2.5159G | -50.63 | 24.49428G | -43.52 | 4 |
| 2417MHz | | | | | | | | | | | | | | | |
| 2437MHz | Pass | 2.44442G | 7.61 | -22.39 | 949.19M | -51.73 | 2.39888G | -45.73 | 2.4G | -47.04 | 2.51254G | -50.01 | 16.81574G | -43.51 | 1 |
| 2437MHz | Pass | 2.44442G | 7.61 | -22.39 | 671.92M | -52.07 | 2.39896G | -48.37 | 2.4G | -49.07 | 2.51806G | -49.60 | 6.36979G | -43.77 | 2 |
| 2437MHz | Pass | 2.44442G | 7.61 | -22.39 | 682.4M | -52.05 | 2.39952G | -42.12 | 2.4G | -42.68 | 2.50398G | -49.52 | 24.86795G | -44.08 | 3 |
| 2437MHz | Pass | 2.44442G | 7.61 | -22.39 | 2.16079G | -51.44 | 2.39216G | -49.44 | 2.4G | -50.41 | 2.5015G | -50.65 | 15.30982G | -43.28 | 4 |
| 2457MHz | | | | | | | | | | | | | | | |
| 2462MHz | Pass | 2.44442G | 7.61 | -22.39 | 683.57M | -51.10 | 2.39432G | -51.24 | 2.4G | -52.93 | 2.5235G | -50.47 | 24.27513G | -44.24 | 1 |
| 2462MHz | Pass | 2.44442G | 7.61 | -22.39 | 811.72M | -51.74 | 2.392G | -51.18 | 2.4G | -51.65 | 2.52326G | -50.71 | 21.45152G | -44.38 | 2 |
| 2462MHz | Pass | 2.44442G | 7.61 | -22.39 | 388.82M | -51.21 | 2.3952G | -51.31 | 2.4G | -53.16 | 2.50198G | -48.11 | 24.44933G | -43.56 | 3 |
| 2462MHz | Pass | 2.44442G | 7.61 | -22.39 | 498.33M | -50.76 | 2.39744G | -51.34 | 2.4G | -54.11 | 2.50222G | -50.09 | 23.39855G | -43.66 | 4 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2412MHz | Pass | 2.4319G | 7.91 | -22.09 | 800.07M | -51.26 | 2.39976G | -37.91 | 2.4G | -37.15 | 2.50902G | -50.63 | 24.87357G | -44.24 | 1 |
| 2412MHz | Pass | 2.4319G | 7.91 | -22.09 | 660.27M | -52.23 | 2.39984G | -37.91 | 2.4G | -35.02 | 2.51934G | -49.66 | 24.86795G | -43.98 | 2 |
| 2412MHz | Pass | 2.4319G | 7.91 | -22.09 | 958.51M | -51.12 | 2.4G | -37.26 | 2.4G | -37.58 | 2.5227G | -50.74 | 17.01803G | -43.69 | 3 |
| 2412MHz | Pass | 2.4319G | 7.91 | -22.09 | 941.03M | -51.13 | 2.39984G | -38.60 | 2.4G | -36.53 | 2.51846G | -50.49 | 17.40856G | -44.48 | 4 |
| 2417MHz | | | | | | | | | | | | | | | |
| 2437MHz | Pass | 2.4319G | 7.91 | -22.09 | 936.37M | -51.39 | 2.39984G | -41.95 | 2.4G | -41.28 | 2.5051G | -49.87 | 24.08689G | -42.98 | 1 |
| 2437MHz | Pass | 2.4319G | 7.91 | -22.09 | 2.30874G | -51.39 | 2.39968G | -40.43 | 2.4G | -41.52 | 2.5043G | -49.86 | 24.85671G | -43.91 | 2 |
| 2437MHz | Pass | 2.4319G | 7.91 | -22.09 | 2.18875G | -51.39 | 2.39976G | -41.28 | 2.4G | -40.83 | 2.5015G | -49.50 | 24.44652G | -43.35 | 3 |
| 2437MHz | Pass | 2.4319G | 7.91 | -22.09 | 946.86M | -51.63 | 2.3996G | -44.93 | 2.4G | -45.95 | 2.5211G | -48.91 | 17.21189G | -43.97 | 4 |
| 2457MHz | | | | | | | | | | | | | | | |
| 2462MHz | Pass | 2.4319G | 7.91 | -22.09 | 751.14M | -51.09 | 2.39256G | -51.68 | 2.4G | -51.58 | 2.51262G | -50.78 | 15.3042G | -44.40 | 1 |
| 2462MHz | Pass | 2.4319G | 7.91 | -22.09 | 758.13M | -51.48 | 2.39568G | -50.96 | 2.4G | -52.37 | 2.50094G | -50.76 | 24.81738G | -43.86 | 2 |
| 2462MHz | Pass | 2.4319G | 7.91 | -22.09 | 828.03M | -51.90 | 2.39728G | -50.88 | 2.4G | -53.46 | 2.50638G | -50.03 | 24.92133G | -42.23 | 3 |
| 2462MHz | Pass | 2.4319G | 7.91 | -22.09 | 706.87M | -51.50 | 2.39528G | -51.10 | 2.4G | -51.55 | 2.51142G | -50.53 | 15.04291G | -44.05 | 4 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2422MHz | Pass | 2.42939G | 1.00 | -29.00 | 766.24M | -51.92 | 2.39984G | -42.87 | 2.4G | -43.21 | 2.51166G | -49.53 | 15.05502G | -44.25 | 1 |
| 2422MHz | Pass | 2.42939G | 1.00 | -29.00 | 2.07612G | -51.54 | 2.4G | -43.64 | 2.4G | -42.38 | 2.5459G | -50.58 | 15.27658G | -43.21 | 2 |
| 2422MHz | Pass | 2.42939G | 1.00 | -29.00 | 918.52M | -51.08 | 2.39456G | -42.39 | 2.4G | -41.95 | 2.50798G | -50.26 | 24.54847G | -43.04 | 3 |
| 2422MHz | Pass | 2.42939G | 1.00 | -29.00 | 868.14M | -51.79 | 2.39984G | -41.90 | 2.4G | -39.81 | 2.55998G | -49.97 | 17.69411G | -43.88 | 4 |
| 2437MHz | Pass | 2.42939G | 1.00 | -29.00 | 763.95M | -51.77 | 2.39488G | -49.24 | 2.4G | -49.69 | 2.5475G | -50.18 | 24.98037G | -44.37 | 1 |
| 2437MHz | Pass | 2.42939G | 1.00 | -29.00 | 863.56M | -51.05 | 2.39056G | -46.34 | 2.4G | -51.80 | 2.51454G | -49.97 | 16.35073G | -44.27 | 2 |
| 2437MHz | Pass | 2.42939G | 1.00 | -29.00 | 2.14596G | -51.25 | 2.39968G | -44.86 | 2.4G | -46.44 | 2.52062G | -50.43 | 14.9793G | -43.55 | 3 |
| 2437MHz | Pass | 2.42939G | 1.00 | -29.00 | 505.18M | -51.76 | 2.39968G | -47.49 | 2.4G | -47.94 | 2.54334G | -49.91 | 24.79807G | -43.44 | 4 |
| 2452MHz | Pass | 2.42939G | 1.00 | -29.00 | 588.76M | -51.31 | 2.39488G | -51.82 | 2.4G | -53.57 | 2.50094G | -50.33 | 16.29464G | -43.05 | 1 |
| 2452MHz | Pass | 2.42939G | 1.00 | -29.00 | 786.85M | -51.16 | 2.39696G | -52.18 | 2.4G | -52.59 | 2.52734G | -49.91 | 17.69972G | -43.67 | 2 |
| 2452MHz | Pass | 2.42939G | 1.00 | -29.00 | 2.012G | -51.30 | 2.39264G | -51.31 | 2.4G | -52.67 | 2.51854G | -50.49 | 17.65205G | -43.33 | 3 |
| 2452MHz | Pass | 2.42939G | 1.00 | -29.00 | 2.14711G | -51.25 | 2.39552G | -51.81 | 2.4G | -53.10 | 2.56094G | -50.54 | 24.83173G | -43.84 | 4 |

**802.11b_Nss1,(1Mbps)_4TX** **CSENdB**

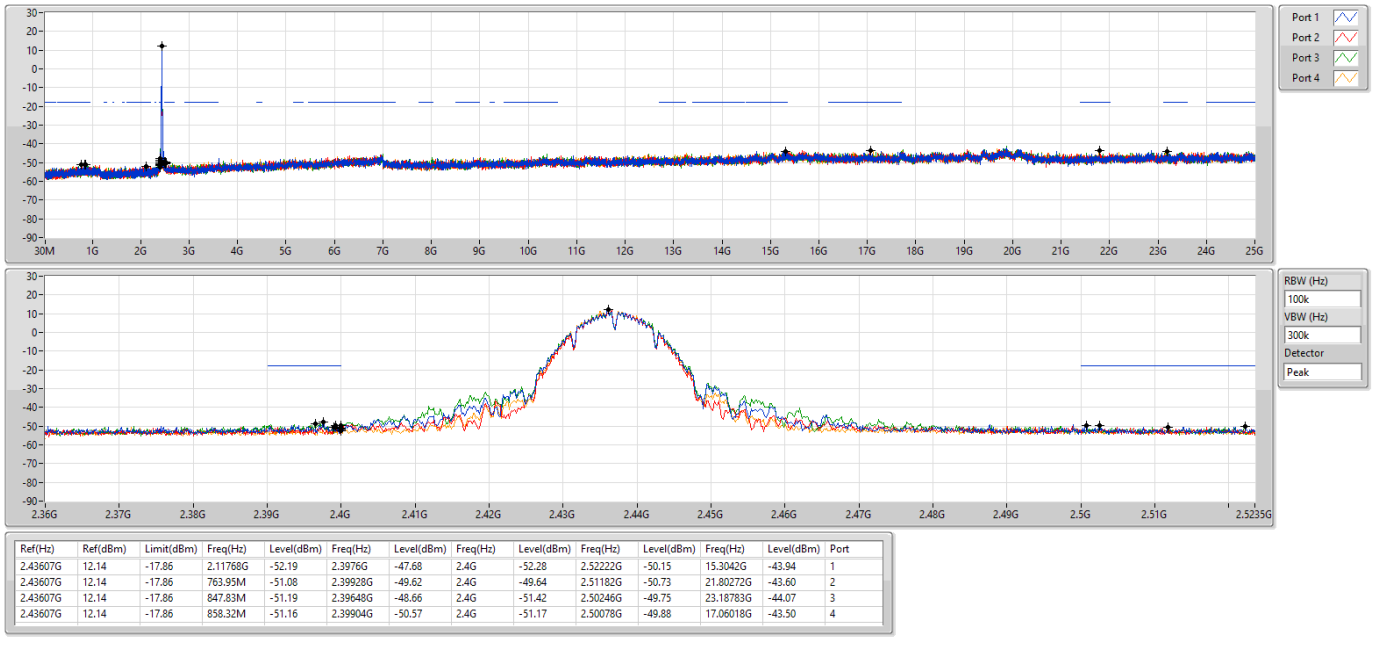
**2412MHz**




| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.43607G | 12.14 | -17.86 | 581.05M | -51.51 | 2.39992G | -42.36 | 2.4G | -40.79 | 2.51846G | -49.90 | 15.3323G | -43.61 | 1 |
| 2.43607G | 12.14 | -17.86 | 853.66M | -51.92 | 2.39992G | -42.36 | 2.4G | -40.42 | 2.51254G | -50.31 | 24.92414G | -44.45 | 2 |
| 2.43607G | 12.14 | -17.86 | 744.15M | -51.28 | 2.39656G | -35.13 | 2.4G | -35.69 | 2.5007G | -50.66 | 23.52217G | -43.91 | 3 |
| 2.43607G | 12.14 | -17.86 | 1.96274G | -50.86 | 2.39968G | -41.48 | 2.4G | -41.02 | 2.50262G | -50.59 | 16.91689G | -44.40 | 4 |

**802.11b_Nss1,(1Mbps)_4TX** **CSENdB**

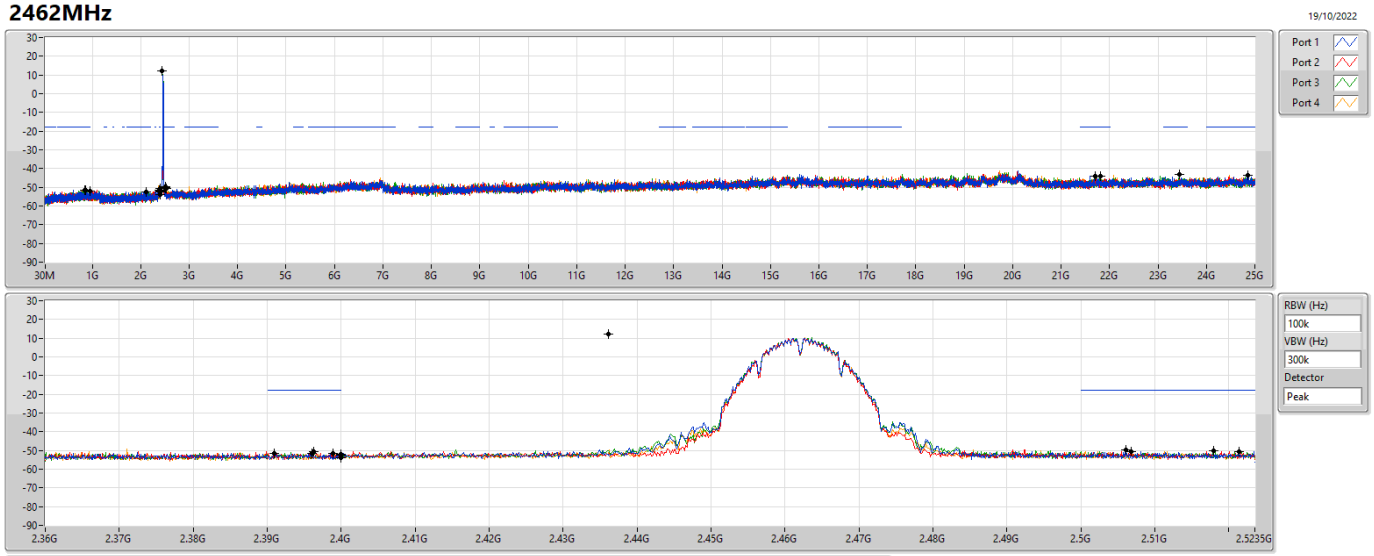
**2437MHz**




| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.43607G | 12.14 | -17.86 | 2.11768G | -52.19 | 2.3976G | -47.68 | 2.4G | -52.28 | 2.52222G | -50.15 | 15.3042G | -43.94 | 1 |
| 2.43607G | 12.14 | -17.86 | 763.95M | -51.08 | 2.39928G | -49.62 | 2.4G | -49.64 | 2.51182G | -50.73 | 21.80272G | -43.60 | 2 |
| 2.43607G | 12.14 | -17.86 | 847.83M | -51.19 | 2.39648G | -48.66 | 2.4G | -51.42 | 2.50246G | -49.75 | 23.18783G | -44.07 | 3 |
| 2.43607G | 12.14 | -17.86 | 858.32M | -51.16 | 2.39904G | -50.57 | 2.4G | -51.17 | 2.50078G | -49.88 | 17.06018G | -43.50 | 4 |

**802.11b_Nss1,(1Mbps)_4TX** **CSENdB**

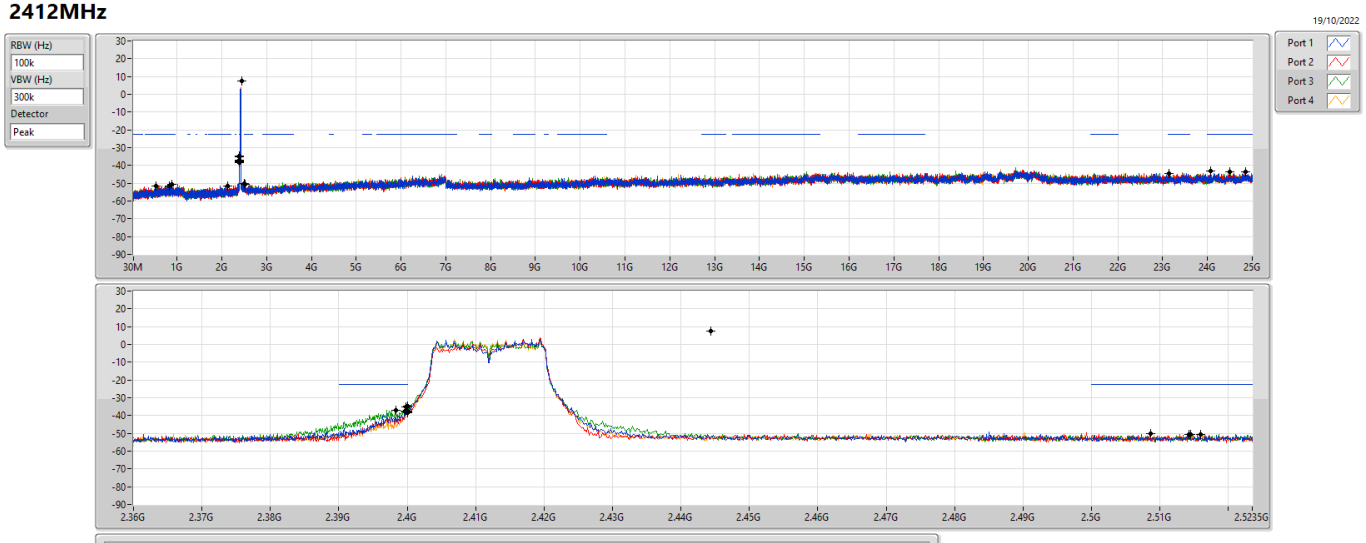
**2462MHz**




| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.43607G | 12.14 | -17.86 | 839.68M | -51.61 | 2.396G | -51.40 | 2.4G | -52.50 | 2.50606G | -49.86 | 24.85952G | -43.50 | 1 |
| 2.43607G | 12.14 | -17.86 | 2.11186G | -52.37 | 2.39096G | -51.48 | 2.4G | -52.23 | 2.50678G | -50.44 | 21.69876G | -44.07 | 2 |
| 2.43607G | 12.14 | -17.86 | 858.32M | -51.52 | 2.39632G | -50.75 | 2.4G | -51.94 | 2.5179G | -50.31 | 21.81677G | -44.21 | 3 |
| 2.43607G | 12.14 | -17.86 | 945.69M | -51.95 | 2.39888G | -51.37 | 2.4G | -53.88 | 2.52142G | -50.40 | 23.44631G | -43.33 | 4 |

**2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX** **CSENdB**

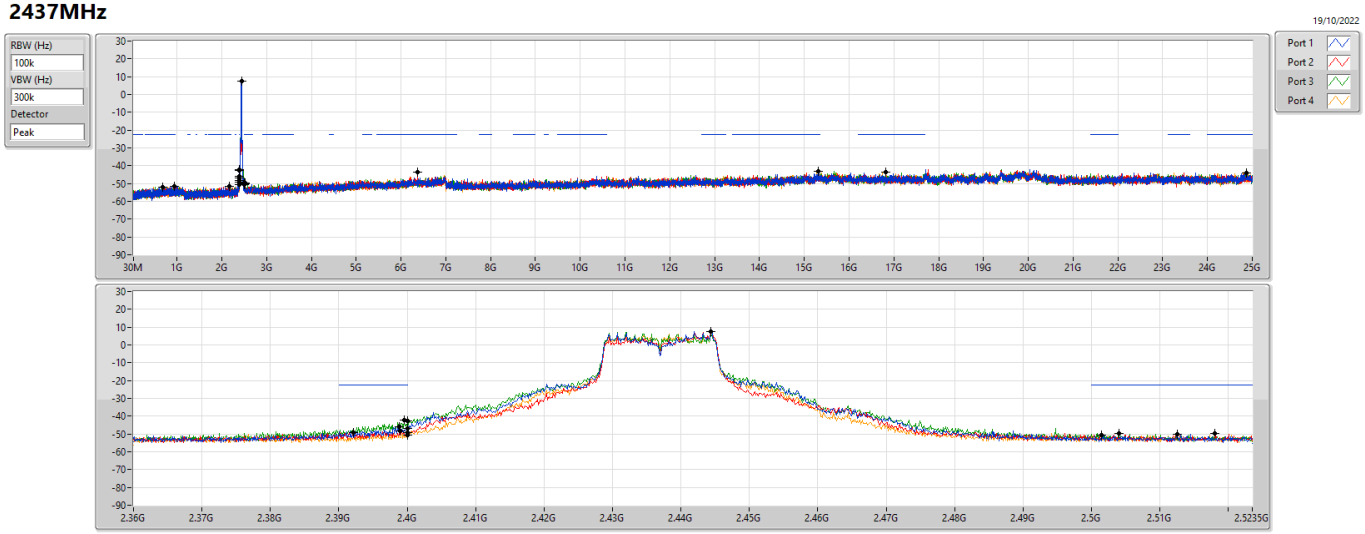
**2412MHz**




| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.44442G | 7.61 | -22.39 | 529.79M | -51.43 | 2.39968G | -37.67 | 2.4G | -38.03 | 2.51422G | -50.64 | 24.06161G | -43.27 | 1 |
| 2.44442G | 7.61 | -22.39 | 836.18M | -51.36 | 2.39984G | -35.07 | 2.4G | -38.60 | 2.50862G | -49.96 | 23.13164G | -44.48 | 2 |
| 2.44442G | 7.61 | -22.39 | 2.13516G | -51.73 | 2.39832G | -37.16 | 2.4G | -34.47 | 2.51446G | -50.72 | 24.8539G | -43.40 | 3 |
| 2.44442G | 7.61 | -22.39 | 890.94M | -50.83 | 2.4G | -38.05 | 2.4G | -37.53 | 2.5159G | -50.63 | 24.49428G | -43.52 | 4 |

**2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX** **CSENdB**

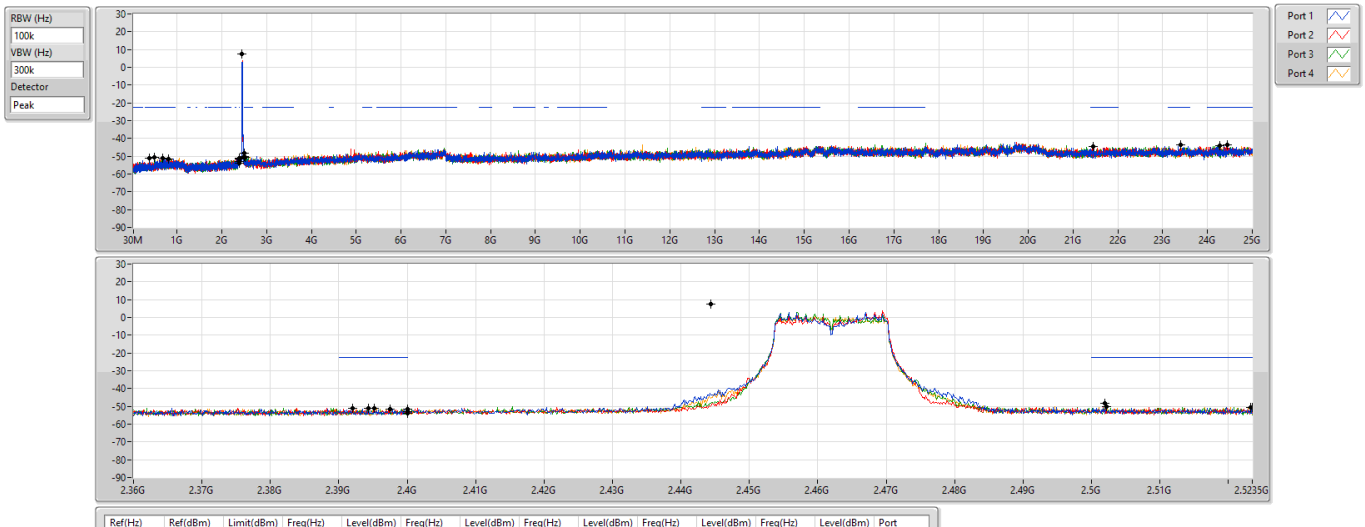
**2437MHz**




| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.44442G | 7.61 | -22.39 | 949.19M | -51.73 | 2.39888G | -45.73 | 2.4G | -47.04 | 2.51254G | -50.01 | 16.81574G | -43.51 | 1 |
| 2.44442G | 7.61 | -22.39 | 671.92M | -52.07 | 2.39896G | -48.37 | 2.4G | -49.07 | 2.51806G | -49.60 | 6.36979G | -43.77 | 2 |
| 2.44442G | 7.61 | -22.39 | 682.4M | -52.05 | 2.39952G | -42.12 | 2.4G | -42.68 | 2.50398G | -49.52 | 24.86795G | -44.08 | 3 |
| 2.44442G | 7.61 | -22.39 | 2.16079G | -51.44 | 2.39216G | -49.44 | 2.4G | -50.41 | 2.5015G | -50.65 | 15.30982G | -43.28 | 4 |

**2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX** **CSENdB**

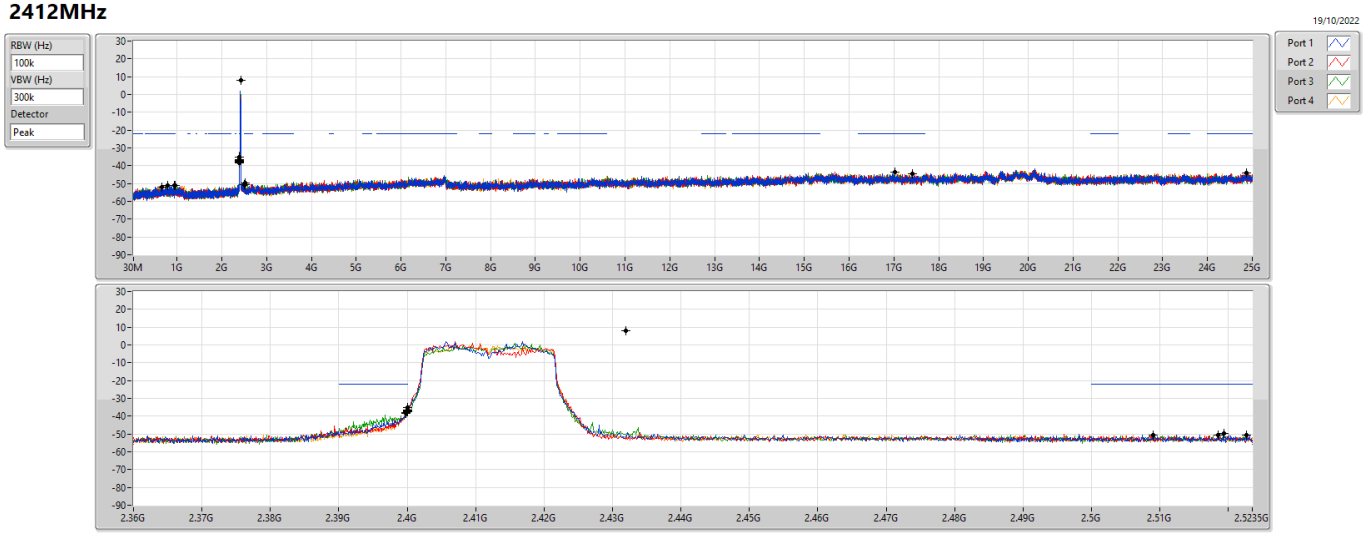
**2462MHz**




| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.44442G | 7.61 | -22.39 | 683.57M | -51.10 | 2.39432G | -51.24 | 2.4G | -52.93 | 2.5235G | -50.47 | 24.27513G | -44.24 | 1 |
| 2.44442G | 7.61 | -22.39 | 811.72M | -51.74 | 2.392G | -51.18 | 2.4G | -51.65 | 2.52326G | -50.71 | 21.45152G | -44.38 | 2 |
| 2.44442G | 7.61 | -22.39 | 388.82M | -51.21 | 2.3952G | -51.31 | 2.4G | -53.16 | 2.50198G | -48.11 | 24.44933G | -43.56 | 3 |
| 2.44442G | 7.61 | -22.39 | 498.33M | -50.76 | 2.39744G | -51.34 | 2.4G | -54.11 | 2.50222G | -50.09 | 23.39855G | -43.66 | 4 |

**2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX** **CSENdB**

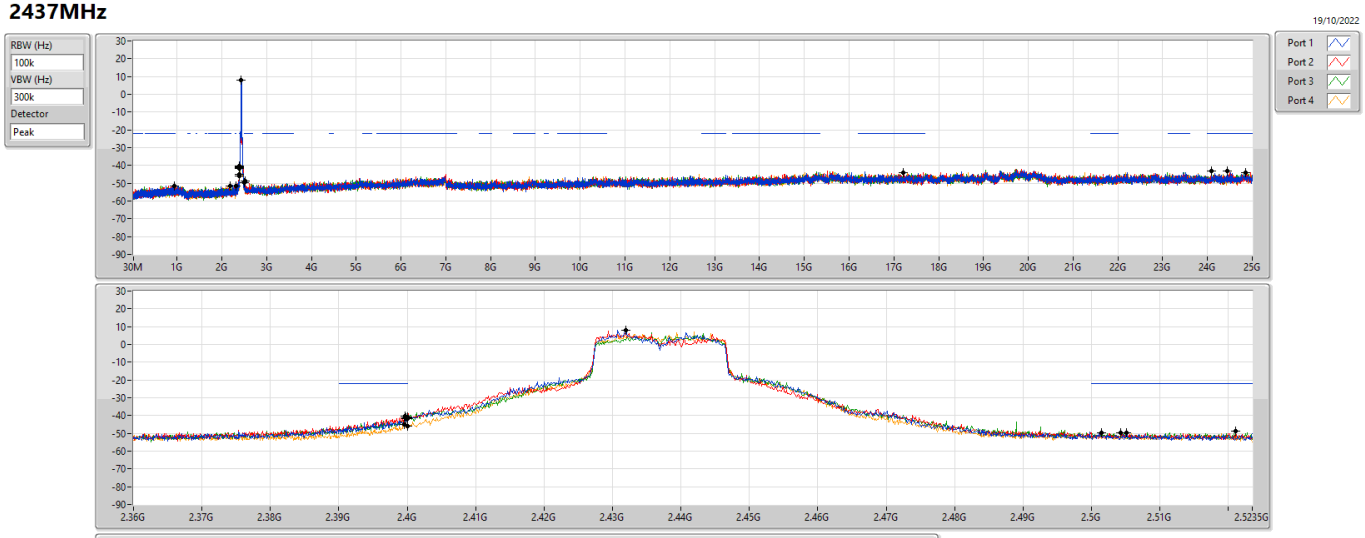
**2412MHz**




| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.4319G | 7.91 | -22.09 | 800.07M | -51.26 | 2.39976G | -37.91 | 2.4G | -37.15 | 2.50902G | -50.63 | 24.87357G | -44.24 | 1 |
| 2.4319G | 7.91 | -22.09 | 660.27M | -52.23 | 2.39984G | -37.91 | 2.4G | -35.02 | 2.51934G | -49.66 | 24.86795G | -43.98 | 2 |
| 2.4319G | 7.91 | -22.09 | 958.51M | -51.12 | 2.4G | -37.26 | 2.4G | -37.58 | 2.5227G | -50.74 | 17.01803G | -43.69 | 3 |
| 2.4319G | 7.91 | -22.09 | 941.03M | -51.13 | 2.39984G | -38.60 | 2.4G | -36.53 | 2.51846G | -50.49 | 17.40856G | -44.48 | 4 |

**2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX** **CSENdB**

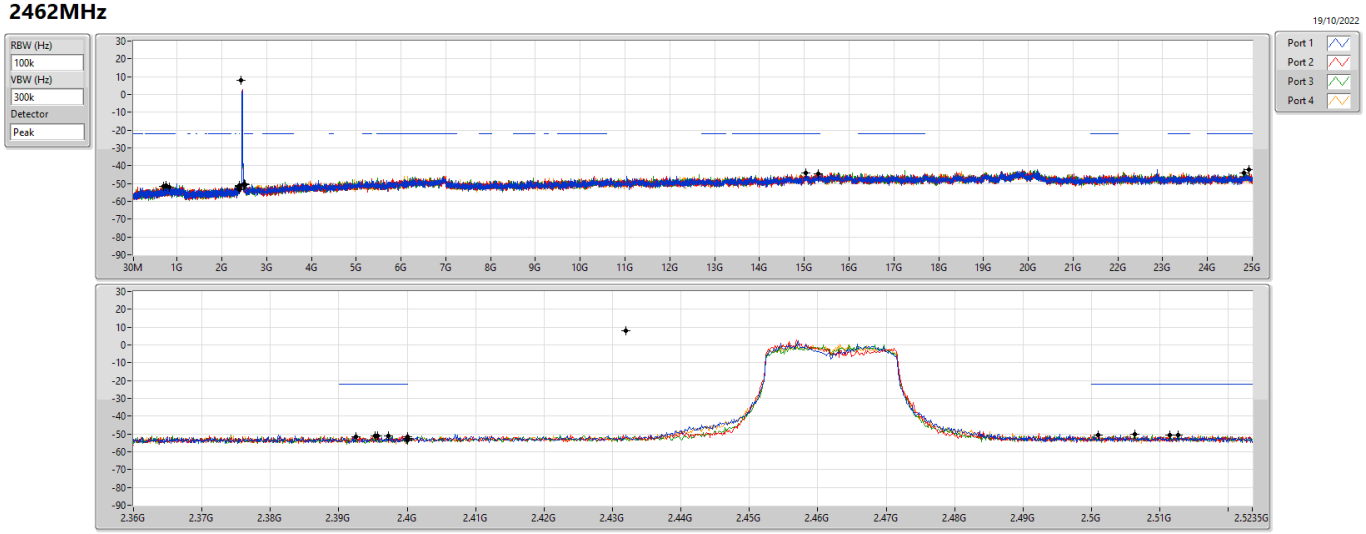
**2437MHz**




| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.4319G | 7.91 | -22.09 | 936.37M | -51.39 | 2.39984G | -41.95 | 2.4G | -41.28 | 2.5051G | -49.87 | 24.08689G | -42.98 | 1 |
| 2.4319G | 7.91 | -22.09 | 2.30874G | -51.39 | 2.39968G | -40.43 | 2.4G | -41.52 | 2.5043G | -49.86 | 24.85671G | -43.91 | 2 |
| 2.4319G | 7.91 | -22.09 | 2.18875G | -51.39 | 2.39976G | -41.28 | 2.4G | -40.83 | 2.5015G | -49.50 | 24.44652G | -43.35 | 3 |
| 2.4319G | 7.91 | -22.09 | 946.86M | -51.63 | 2.3996G | -44.93 | 2.4G | -45.95 | 2.5211G | -48.91 | 17.21189G | -43.97 | 4 |

**2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX** **CSENdB**

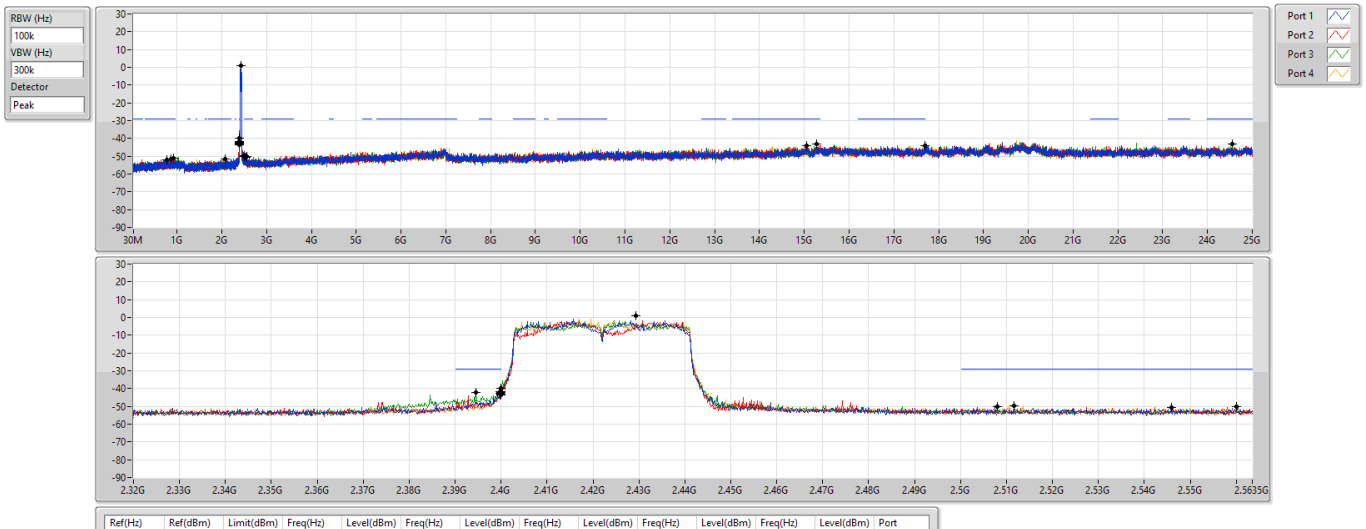
**2462MHz**




| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.4319G | 7.91 | -22.09 | 751.14M | -51.09 | 2.39256G | -51.68 | 2.4G | -51.58 | 2.51262G | -50.78 | 15.3042G | -44.40 | 1 |
| 2.4319G | 7.91 | -22.09 | 758.13M | -51.48 | 2.39568G | -50.96 | 2.4G | -52.37 | 2.50094G | -50.76 | 24.81738G | -43.86 | 2 |
| 2.4319G | 7.91 | -22.09 | 828.03M | -51.90 | 2.39728G | -50.88 | 2.4G | -53.46 | 2.50638G | -50.03 | 24.92133G | -42.23 | 3 |
| 2.4319G | 7.91 | -22.09 | 706.87M | -51.50 | 2.39528G | -51.10 | 2.4G | -51.55 | 2.51142G | -50.53 | 15.04291G | -44.05 | 4 |

**2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX** **CSENdB**

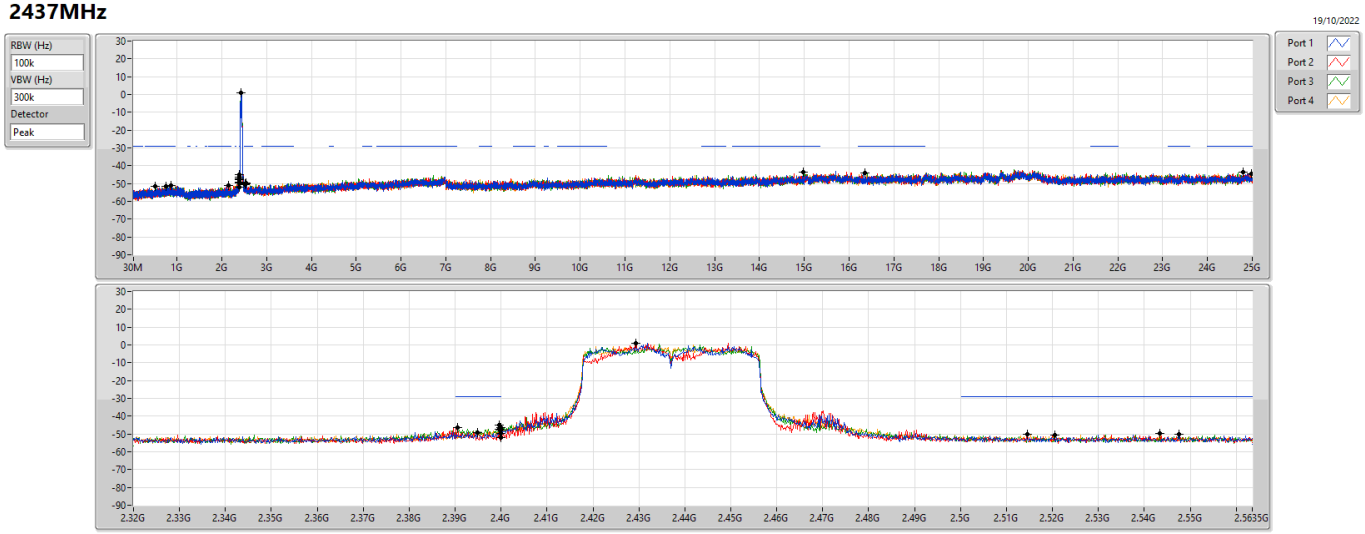
**2422MHz**




| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.42939G | 1.00 | -29.00 | 766.24M | -51.92 | 2.39984G | -42.87 | 2.4G | -43.21 | 2.51166G | -49.53 | 15.05502G | -44.25 | 1 |
| 2.42939G | 1.00 | -29.00 | 2.07612G | -51.54 | 2.4G | -43.64 | 2.4G | -42.38 | 2.5459G | -50.58 | 15.27658G | -43.21 | 2 |
| 2.42939G | 1.00 | -29.00 | 918.52M | -51.08 | 2.39456G | -42.39 | 2.4G | -41.95 | 2.50798G | -50.26 | 24.54847G | -43.04 | 3 |
| 2.42939G | 1.00 | -29.00 | 868.14M | -51.79 | 2.39984G | -41.90 | 2.4G | -39.81 | 2.55998G | -49.97 | 17.69411G | -43.88 | 4 |

**2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX** **CSENdB**

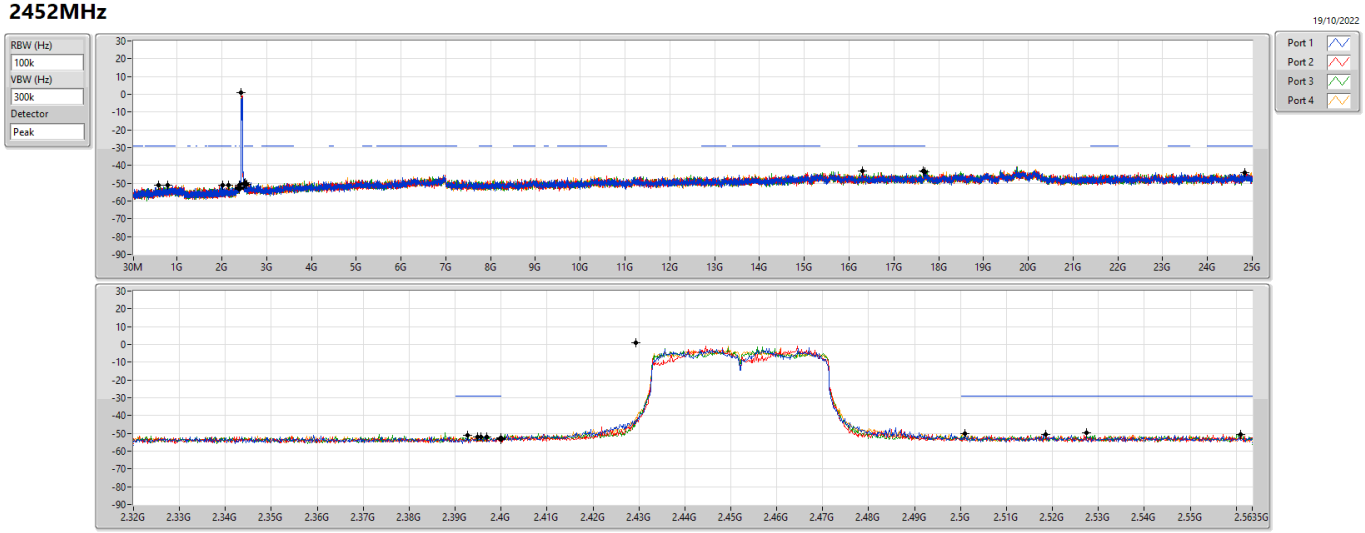
**2437MHz**




| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.42939G | 1.00 | -29.00 | 763.95M | -51.77 | 2.39488G | -49.24 | 2.4G | -49.69 | 2.5475G | -50.18 | 24.98037G | -44.37 | 1 |
| 2.42939G | 1.00 | -29.00 | 863.56M | -51.05 | 2.39056G | -46.34 | 2.4G | -51.80 | 2.51454G | -49.97 | 16.35073G | -44.27 | 2 |
| 2.42939G | 1.00 | -29.00 | 2.14596G | -51.25 | 2.39968G | -44.86 | 2.4G | -46.44 | 2.52062G | -50.43 | 14.9793G | -43.55 | 3 |
| 2.42939G | 1.00 | -29.00 | 505.18M | -51.76 | 2.39968G | -47.49 | 2.4G | -47.94 | 2.54334G | -49.91 | 24.79807G | -43.44 | 4 |

**2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX** **CSENdB**

**2452MHz**

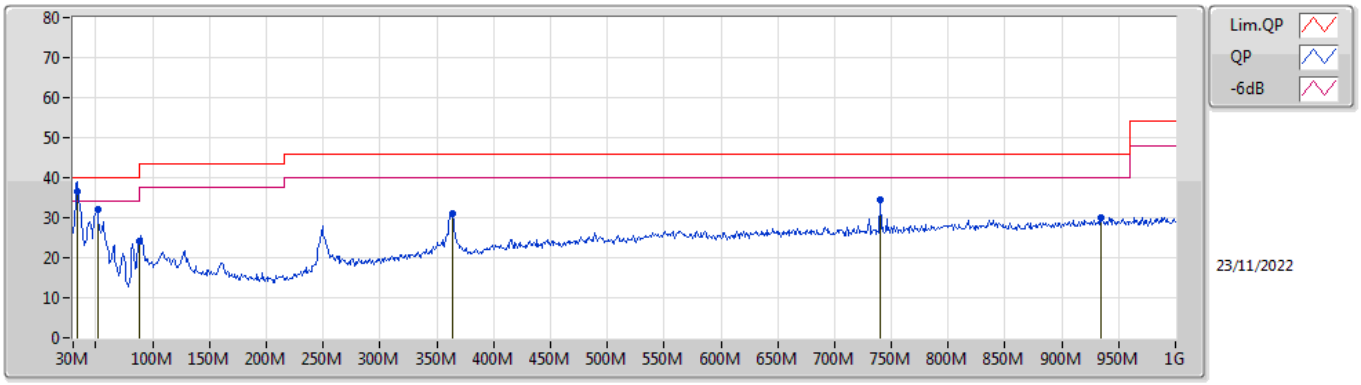



| Ref(Hz) | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Port |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.42939G | 1.00 | -29.00 | 588.76M | -51.31 | 2.39488G | -51.82 | 2.4G | -53.57 | 2.50094G | -50.33 | 16.29464G | -43.05 | 1 |
| 2.42939G | 1.00 | -29.00 | 786.85M | -51.16 | 2.39696G | -52.18 | 2.4G | -52.59 | 2.52734G | -49.91 | 17.69972G | -43.67 | 2 |
| 2.42939G | 1.00 | -29.00 | 2.012G | -51.30 | 2.39264G | -51.31 | 2.4G | -52.67 | 2.51854G | -50.49 | 17.65205G | -43.33 | 3 |
| 2.42939G | 1.00 | -29.00 | 2.14711G | -51.25 | 2.39552G | -51.81 | 2.4G | -53.10 | 2.56094G | -50.54 | 24.83173G | -43.84 | 4 |

Summary

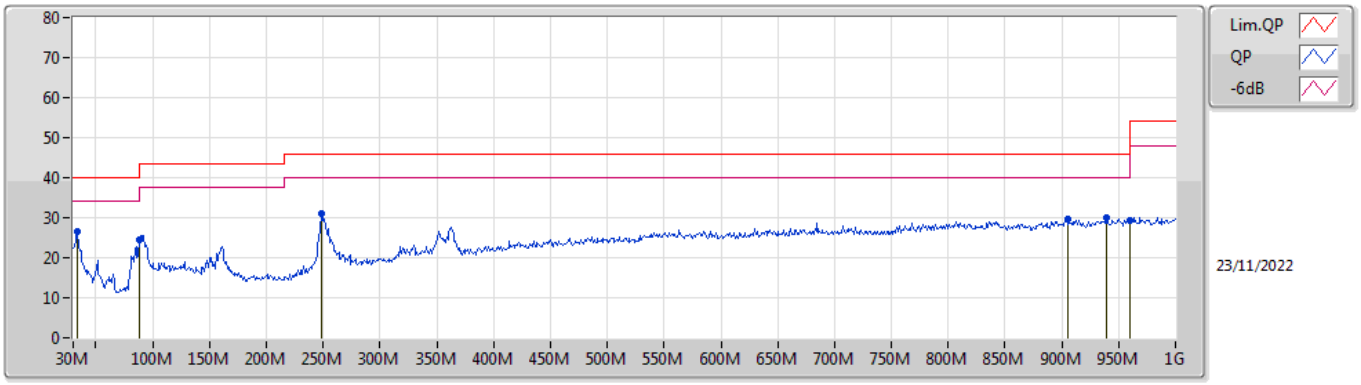
| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Condition |
|---|---|---|---|---|---|---|---|
| Mode 2 | Pass | QP | 33.88M | 36.41 | 40.00 | -3.59 | Vertical |

## Mode 2




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB/m) | (m) | | (°) | (m) | | (dBuV/m) | (dB/m) | (dB) | (dB) |
| QP | 33.88M | 36.41 | 40.00 | -3.59 | -9.19 | 3 | Vertical | 58 | 1.00 | "Worst" | 45.60 | 21.98 | 0.49 | 31.66 |
| PK | 51.34M | 32.05 | 40.00 | -7.95 | -17.69 | 3 | Vertical | 250 | 1.25 | - | 49.74 | 13.50 | 0.68 | 31.87 |
| PK | 88M | 23.98 | 43.50 | -19.52 | -16.80 | 3 | Vertical | 276 | 1.50 | - | 40.78 | 14.15 | 1.00 | 31.95 |
| PK | 363.68M | 31.13 | 46.00 | -14.87 | -8.93 | 3 | Vertical | 172 | 1.25 | - | 40.06 | 20.70 | 2.54 | 32.17 |
| PK | 740.04M | 34.58 | 46.00 | -11.42 | -3.70 | 3 | Vertical | 0 | 2.00 | - | 38.28 | 25.16 | 3.74 | 32.60 |
| PK | 934.04M | 30.05 | 46.00 | -15.95 | -1.90 | 3 | Vertical | 153 | 1.00 | - | 31.95 | 26.31 | 4.27 | 32.48 |

## Mode 2



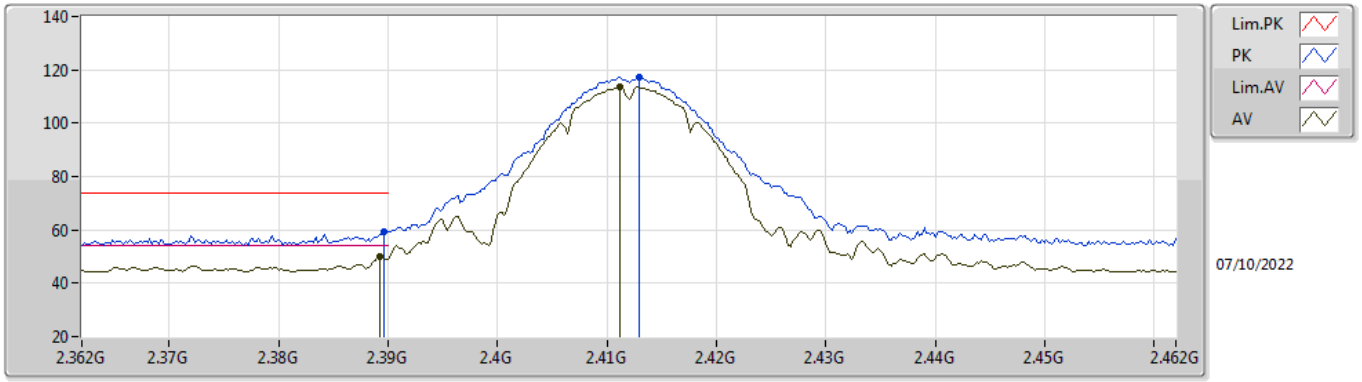

| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB/m) | (m) | | (°) | (m) | | (dBuV/m) | (dB/m) | (dB) | (dB) |
| PK | 33.88M | 26.38 | 40.00 | -13.62 | -9.19 | 3 | Horizontal | 257 | 1.50 | "Worst" | 35.57 | 21.98 | 0.49 | 31.66 |
| PK | 88M | 24.54 | 40.00 | -15.46 | -16.80 | 3 | Horizontal | 73 | 2.00 | - | 41.34 | 14.15 | 1.00 | 31.95 |
| PK | 248.25M | 31.19 | 46.00 | -14.81 | -12.01 | 3 | Horizontal | 42 | 1.00 | - | 43.20 | 18.00 | 1.99 | 32.00 |
| PK | 904.94M | 29.52 | 46.00 | -16.48 | -2.11 | 3 | Horizontal | 299 | 2.00 | - | 31.63 | 26.20 | 4.18 | 32.49 |
| PK | 938.89M | 30.11 | 46.00 | -15.89 | -1.84 | 3 | Horizontal | 74 | 1.25 | - | 31.95 | 26.36 | 4.28 | 32.48 |
| PK | 960M | 29.32 | 46.00 | -16.68 | -1.49 | 3 | Horizontal | 82 | 1.50 | - | 30.81 | 26.63 | 4.33 | 32.45 |

Summary

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.4-2.4835GHz | - | - | - | - | - | - | - | - | - | - | - |
| 802.11g_Nss1,(6Mbps)_4TX | Pass | AV | 2.4835G | 53.89 | 54.00 | -0.11 | 3 | Vertical | 192 | 1.57 | - |

## 802.11b_Nss1,(1Mbps)_4TX

## 2412MHz_TX

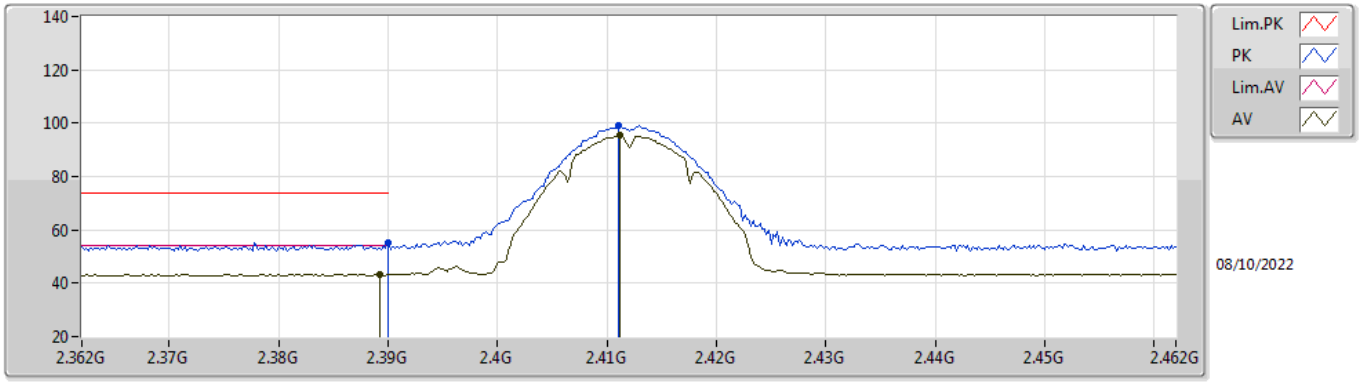



EUT Y_4TX
Setting 18
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3896G | 59.38 | 74.00 | -14.62 | 28.23 | 3 | Vertical | 31 | 1.80 | - | 27.56 | 3.59 | - |
| AV | 2.3892G | 49.78 | 54.00 | -4.22 | 18.63 | 3 | Vertical | 31 | 1.80 | - | 27.56 | 3.59 | - |
| PK | 2.413G | 117.09 | Inf | -Inf | 85.91 | 3 | Vertical | 31 | 1.80 | - | 27.57 | 3.61 | - |
| AV | 2.4112G | 113.53 | Inf | -Inf | 82.34 | 3 | Vertical | 31 | 1.80 | - | 27.58 | 3.61 | - |

## 802.11b_Nss1,(1Mbps)_4TX

## 2412MHz_TX

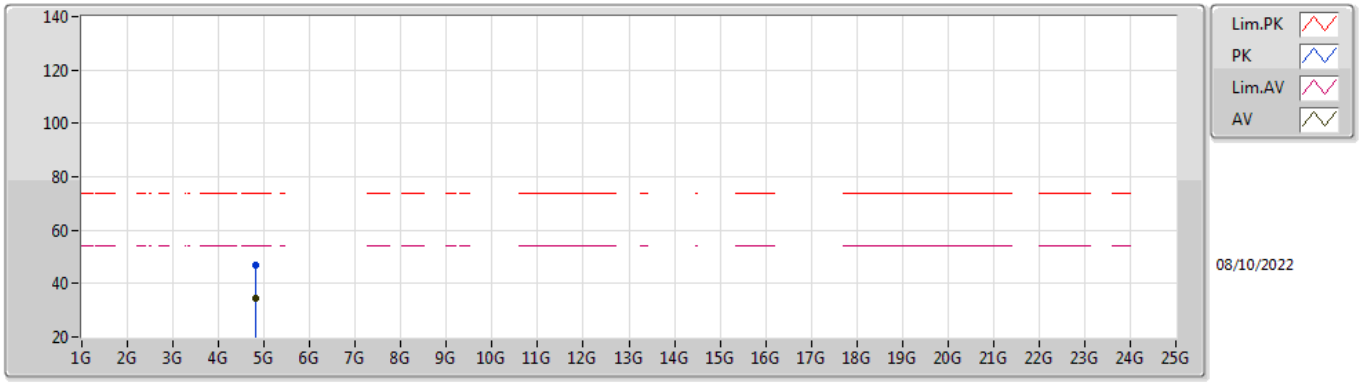



EUT Y_4TX
Setting 18
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.39G | 55.08 | 74.00 | -18.92 | 23.93 | 3 | Horizontal | 41 | 1.81 | - | 27.56 | 3.59 | - |
| AV | 2.3892G | 43.43 | 54.00 | -10.57 | 12.28 | 3 | Horizontal | 41 | 1.81 | - | 27.56 | 3.59 | - |
| PK | 2.411G | 98.97 | Inf | -Inf | 67.78 | 3 | Horizontal | 41 | 1.81 | - | 27.58 | 3.61 | - |
| AV | 2.4112G | 95.40 | Inf | -Inf | 64.21 | 3 | Horizontal | 41 | 1.81 | - | 27.58 | 3.61 | - |

## 802.11b_Nss1,(1Mbps)_4TX

## 2412MHz_TX

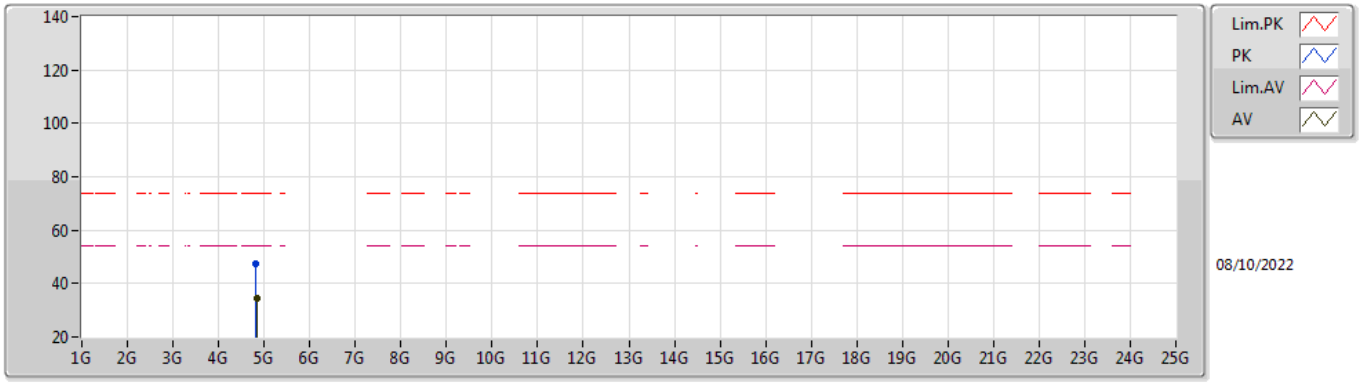



EUT Y_4TX
Setting 18
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.8268G | 47.07 | 74.00 | -26.93 | 41.77 | 3 | Vertical | 219 | 1.73 | - | 32.45 | 5.73 | 32.88 |
| AV | 4.8204G | 34.56 | 54.00 | -19.44 | 29.29 | 3 | Vertical | 219 | 1.73 | - | 32.44 | 5.72 | 32.89 |

## 802.11b_Nss1,(1Mbps)_4TX

## 2412MHz_TX

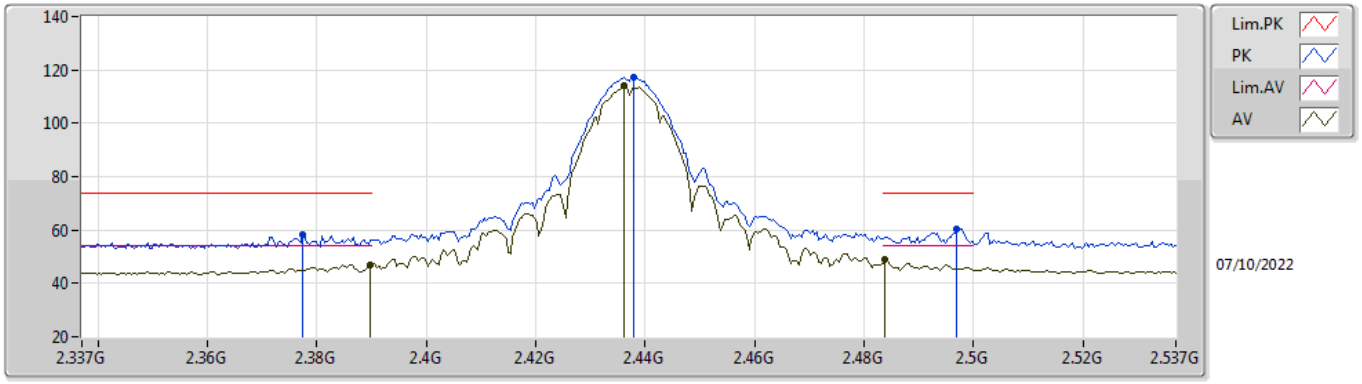



EUT Y_4TX
Setting 18
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.8218G | 47.55 | 74.00 | -26.45 | 42.28 | 3 | Horizontal | 23 | 1.71 | - | 32.44 | 5.72 | 32.89 |
| AV | 4.82856G | 34.62 | 54.00 | -19.38 | 29.31 | 3 | Horizontal | 23 | 1.71 | - | 32.46 | 5.73 | 32.88 |

## 802.11b_Nss1,(1Mbps)_4TX

## 2437MHz_TX

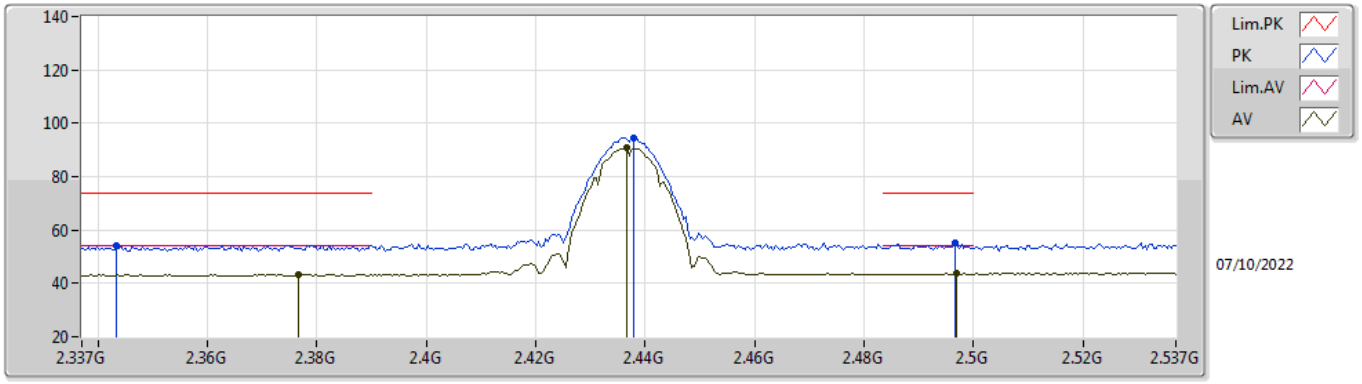



EUT Y_4TX
Setting 20
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3774G | 58.52 | 74.00 | -15.48 | 27.43 | 3 | Vertical | 336 | 2.57 | - | 27.51 | 3.58 | - |
| AV | 2.3898G | 47.12 | 54.00 | -6.88 | 15.97 | 3 | Vertical | 336 | 2.57 | - | 27.56 | 3.59 | - |
| PK | 2.4378G | 117.46 | Inf | -Inf | 86.32 | 3 | Vertical | 336 | 2.57 | - | 27.52 | 3.62 | - |
| AV | 2.4362G | 113.89 | Inf | -Inf | 82.74 | 3 | Vertical | 336 | 2.57 | - | 27.53 | 3.62 | - |
| PK | 2.497G | 60.36 | 74.00 | -13.64 | 28.93 | 3 | Vertical | 336 | 2.57 | - | 27.78 | 3.65 | - |
| AV | 2.4838G | 49.01 | 54.00 | -4.99 | 17.67 | 3 | Vertical | 336 | 2.57 | - | 27.70 | 3.64 | - |

## 802.11b_Nss1,(1Mbps)_4TX

## 2437MHz_TX

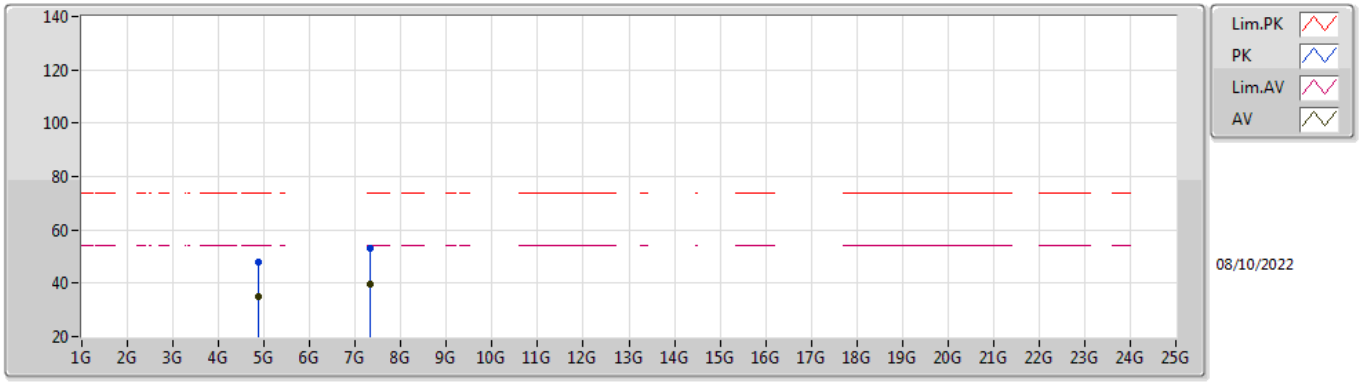



EUT Y_4TX
Setting 20
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3434G | 54.31 | 74.00 | -19.69 | 23.37 | 3 | Horizontal | 153 | 1.76 | - | 27.40 | 3.54 | - |
| AV | 2.3766G | 43.28 | 54.00 | -10.72 | 12.19 | 3 | Horizontal | 153 | 1.76 | - | 27.51 | 3.58 | - |
| PK | 2.4378G | 94.68 | Inf | -Inf | 63.54 | 3 | Horizontal | 153 | 1.76 | - | 27.52 | 3.62 | - |
| AV | 2.4366G | 91.06 | Inf | -Inf | 59.91 | 3 | Horizontal | 153 | 1.76 | - | 27.53 | 3.62 | - |
| PK | 2.4966G | 55.04 | 74.00 | -18.96 | 23.61 | 3 | Horizontal | 153 | 1.76 | - | 27.78 | 3.65 | - |
| AV | 2.497G | 43.83 | 54.00 | -10.17 | 12.40 | 3 | Horizontal | 153 | 1.76 | - | 27.78 | 3.65 | - |

## 802.11b_Nss1,(1Mbps)_4TX

## 2437MHz_TX

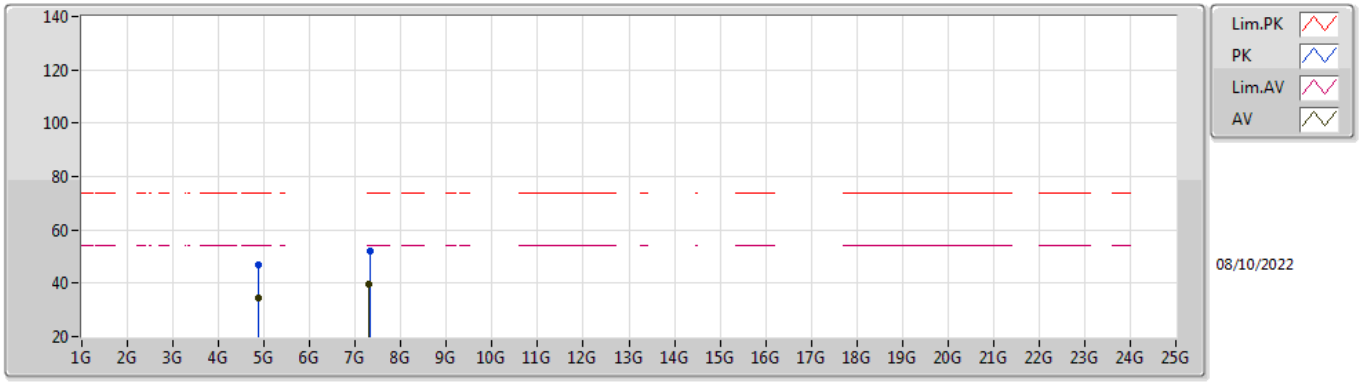



EUT Y_4TX
Setting 20
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| AV | 4.87104G | 34.99 | 54.00 | -19.01 | 29.56 | 3 | Vertical | 323 | 1.75 | - | 32.54 | 5.77 | 32.88 |
| PK | 4.87232G | 47.68 | 74.00 | -26.32 | 42.25 | 3 | Vertical | 323 | 1.75 | - | 32.54 | 5.77 | 32.88 |
| PK | 7.31414G | 52.97 | 74.00 | -21.03 | 41.72 | 3 | Vertical | 90 | 2.70 | - | 37.27 | 7.16 | 33.18 |
| AV | 7.311G | 39.60 | 54.00 | -14.40 | 28.34 | 3 | Vertical | 90 | 2.70 | - | 37.28 | 7.16 | 33.18 |

## 802.11b_Nss1,(1Mbps)_4TX

## 2437MHz_TX

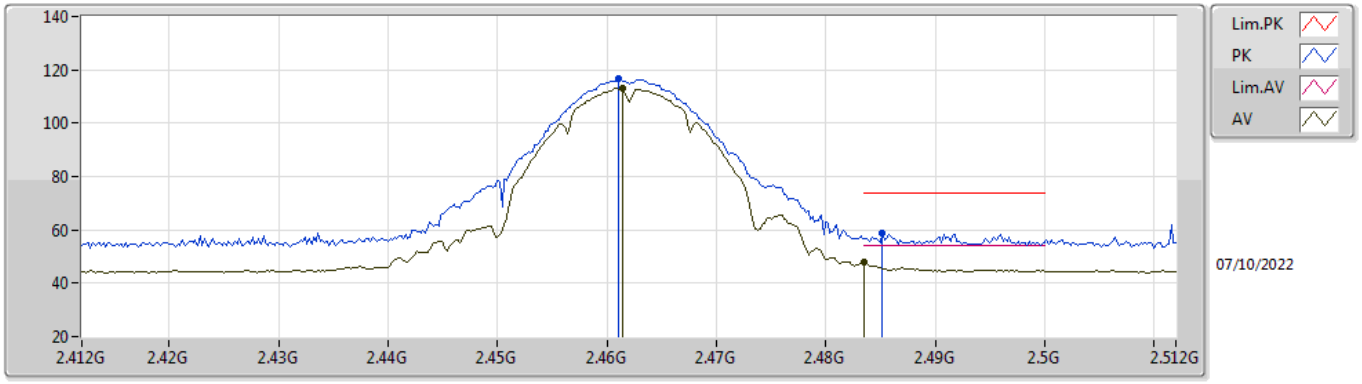



EUT Y_4TX
Setting 20
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| AV | 4.87208G | 34.68 | 54.00 | -19.32 | 29.25 | 3 | Horizontal | 7 | 1.54 | - | 32.54 | 5.77 | 32.88 |
| PK | 4.87106G | 47.02 | 74.00 | -26.98 | 41.59 | 3 | Horizontal | 7 | 1.54 | - | 32.54 | 5.77 | 32.88 |
| PK | 7.31154G | 51.94 | 74.00 | -22.06 | 40.68 | 3 | Horizontal | 31 | 1.44 | - | 37.28 | 7.16 | 33.18 |
| AV | 7.30664G | 39.56 | 54.00 | -14.44 | 28.30 | 3 | Horizontal | 31 | 1.44 | - | 37.29 | 7.15 | 33.18 |

## 802.11b_Nss1,(1Mbps)_4TX

## 2462MHz_TX

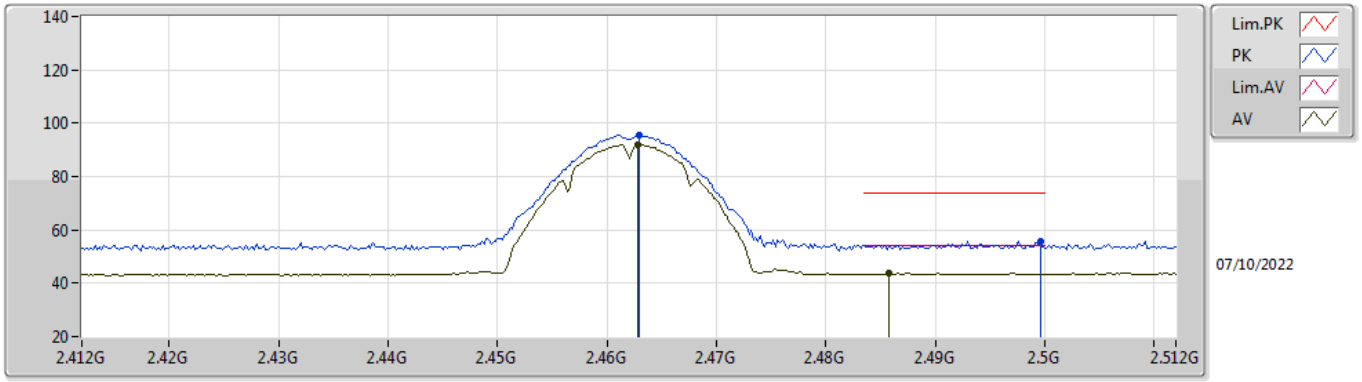



EUT Y_4TX
Setting 18
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.461G | 116.55 | Inf | -Inf | 85.35 | 3 | Vertical | 157 | 2.07 | - | 27.57 | 3.63 | - |
| AV | 2.4614G | 112.99 | Inf | -Inf | 81.79 | 3 | Vertical | 157 | 2.07 | - | 27.57 | 3.63 | - |
| PK | 2.4852G | 58.61 | 74.00 | -15.39 | 27.26 | 3 | Vertical | 157 | 2.07 | - | 27.71 | 3.64 | - |
| AV | 2.4835G | 47.80 | 54.00 | -6.20 | 16.46 | 3 | Vertical | 157 | 2.07 | - | 27.70 | 3.64 | - |

## 802.11b_Nss1,(1Mbps)_4TX

## 2462MHz_TX

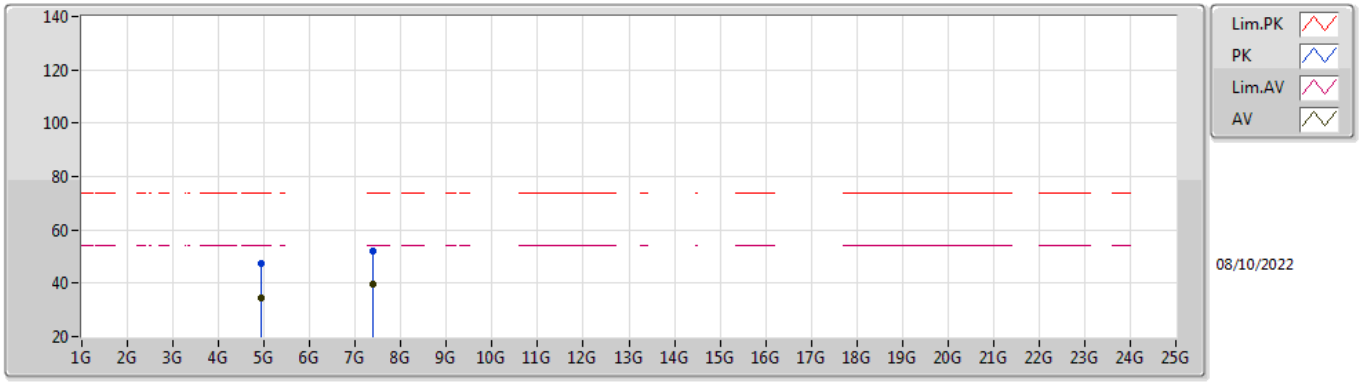



EUT Y_4TX
Setting 18
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.463G | 95.70 | Inf | -Inf | 64.49 | 3 | Horizontal | 34 | 2.21 | - | 27.58 | 3.63 | - |
| AV | 2.4628G | 91.97 | Inf | -Inf | 60.76 | 3 | Horizontal | 34 | 2.21 | - | 27.58 | 3.63 | - |
| PK | 2.4996G | 55.82 | 74.00 | -18.18 | 24.37 | 3 | Horizontal | 34 | 2.21 | - | 27.80 | 3.65 | - |
| AV | 2.4858G | 43.72 | 54.00 | -10.28 | 12.37 | 3 | Horizontal | 34 | 2.21 | - | 27.71 | 3.64 | - |

## 802.11b_Nss1,(1Mbps)_4TX

## 2462MHz_TX

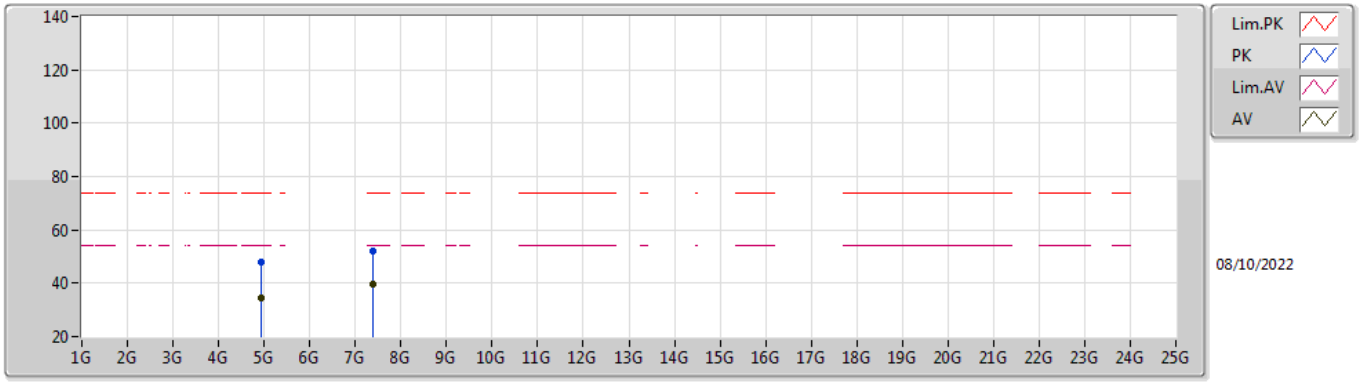



EUT Y_4TX
Setting 18
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.92718G | 47.27 | 74.00 | -26.73 | 41.65 | 3 | Vertical | 210 | 2.81 | - | 32.65 | 5.83 | 32.86 |
| AV | 4.9216G | 34.55 | 54.00 | -19.45 | 28.96 | 3 | Vertical | 210 | 2.81 | - | 32.64 | 5.82 | 32.87 |
| PK | 7.38538G | 52.17 | 74.00 | -21.83 | 41.00 | 3 | Vertical | 245 | 2.14 | - | 37.20 | 7.19 | 33.22 |
| AV | 7.38142G | 39.49 | 54.00 | -14.51 | 28.32 | 3 | Vertical | 245 | 2.14 | - | 37.20 | 7.19 | 33.22 |

## 802.11b_Nss1,(1Mbps)_4TX

## 2462MHz_TX

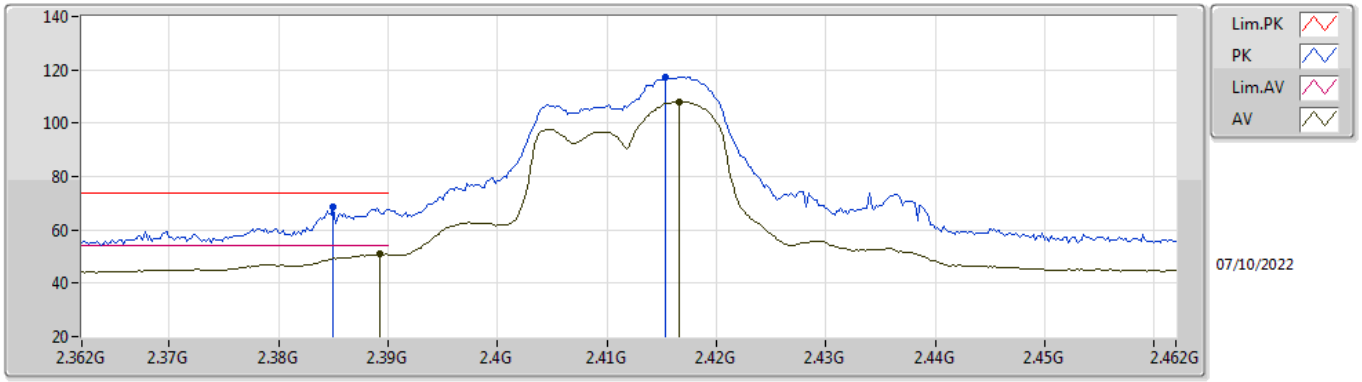



EUT Y_4TX
Setting 18
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.92266G | 48.00 | 74.00 | -26.00 | 42.40 | 3 | Horizontal | 169 | 2.92 | - | 32.65 | 5.82 | 32.87 |
| AV | 4.92788G | 34.62 | 54.00 | -19.38 | 28.99 | 3 | Horizontal | 169 | 2.92 | - | 32.66 | 5.83 | 32.86 |
| PK | 7.38528G | 52.06 | 74.00 | -21.94 | 40.89 | 3 | Horizontal | 89 | 1.29 | - | 37.20 | 7.19 | 33.22 |
| AV | 7.3836G | 39.46 | 54.00 | -14.54 | 28.29 | 3 | Horizontal | 89 | 1.29 | - | 37.20 | 7.19 | 33.22 |

## 802.11g_Nss1,(6Mbps)_4TX

## 2412MHz_TX

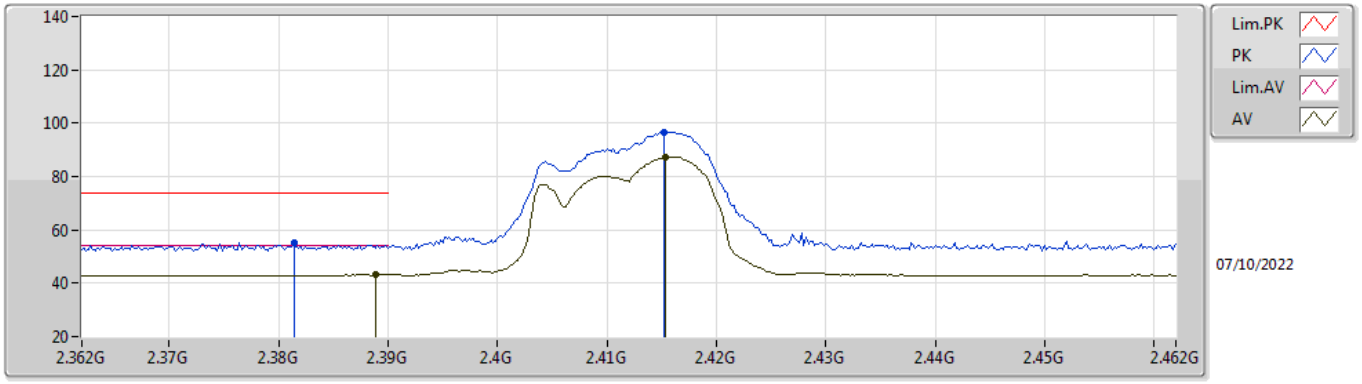



EUT Y_4TX
Setting 14
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.385G | 68.82 | 74.00 | -5.18 | 37.69 | 3 | Vertical | 192 | 1.72 | - | 27.54 | 3.59 | - |
| AV | 2.3892G | 51.04 | 54.00 | -2.96 | 19.89 | 3 | Vertical | 192 | 1.72 | - | 27.56 | 3.59 | - |
| PK | 2.4154G | 117.35 | Inf | -Inf | 86.17 | 3 | Vertical | 192 | 1.72 | - | 27.57 | 3.61 | - |
| AV | 2.4166G | 108.06 | Inf | -Inf | 76.88 | 3 | Vertical | 192 | 1.72 | - | 27.57 | 3.61 | - |

## 802.11g_Nss1,(6Mbps)_4TX

## 2412MHz_TX

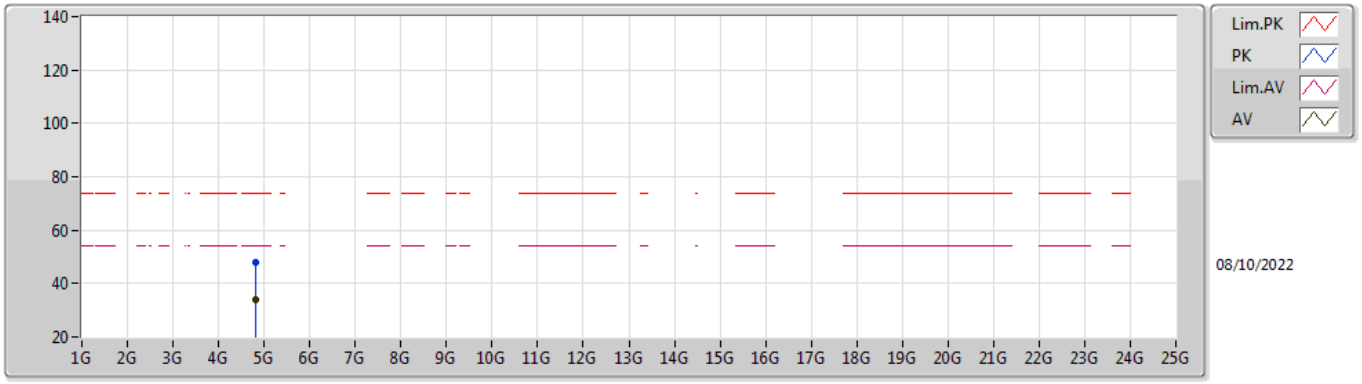



EUT Y_4TX
Setting 14
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3814G | 55.32 | 74.00 | -18.68 | 24.21 | 3 | Horizontal | 39 | 2.50 | - | 27.53 | 3.58 | - |
| AV | 2.3888G | 43.37 | 54.00 | -10.63 | 12.22 | 3 | Horizontal | 39 | 2.50 | - | 27.56 | 3.59 | - |
| PK | 2.4152G | 96.72 | Inf | -Inf | 65.54 | 3 | Horizontal | 39 | 2.50 | - | 27.57 | 3.61 | - |
| AV | 2.4154G | 87.50 | Inf | -Inf | 56.32 | 3 | Horizontal | 39 | 2.50 | - | 27.57 | 3.61 | - |

## 802.11g_Nss1,(6Mbps)_4TX

## 2412MHz_TX

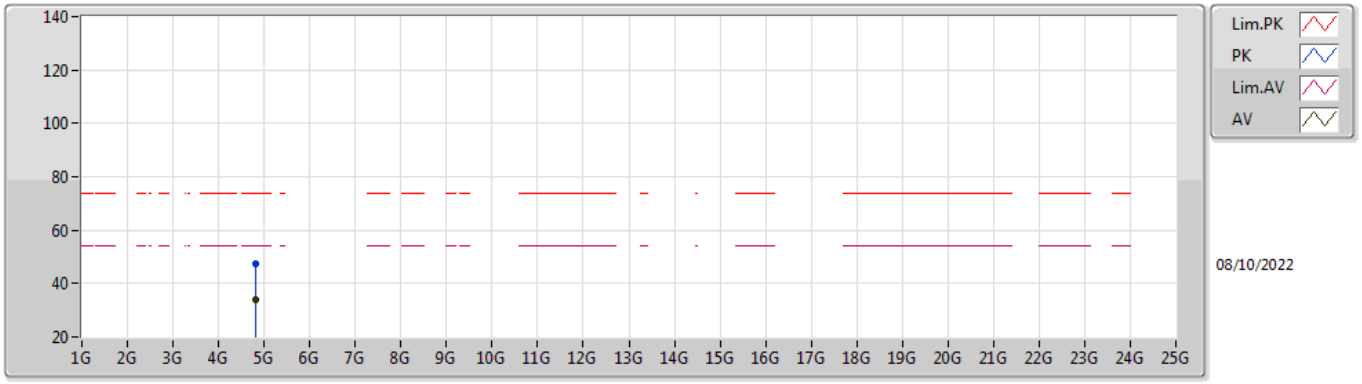



EUT Y_4TX
Setting 14
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.82408G | 47.78 | 74.00 | -26.22 | 42.50 | 3 | Vertical | 145 | 1.20 | - | 32.45 | 5.72 | 32.89 |
| AV | 4.82784G | 33.83 | 54.00 | -20.17 | 28.52 | 3 | Vertical | 145 | 1.20 | - | 32.46 | 5.73 | 32.88 |

## 802.11g_Nss1,(6Mbps)_4TX

## 2412MHz_TX

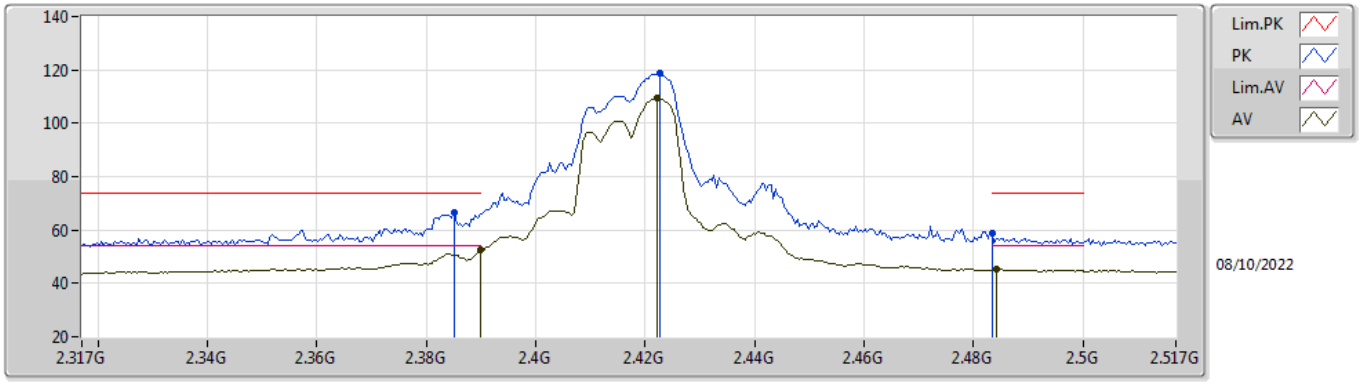



EUT Y_4TX
Setting 14
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.81962G | 47.48 | 74.00 | -26.52 | 42.21 | 3 | Horizontal | 276 | 1.98 | - | 32.44 | 5.72 | 32.89 |
| AV | 4.82644G | 33.73 | 54.00 | -20.27 | 28.43 | 3 | Horizontal | 276 | 1.98 | - | 32.45 | 5.73 | 32.88 |

## 802.11g_Nss1,(6Mbps)_4TX

## 2417MHz_TX

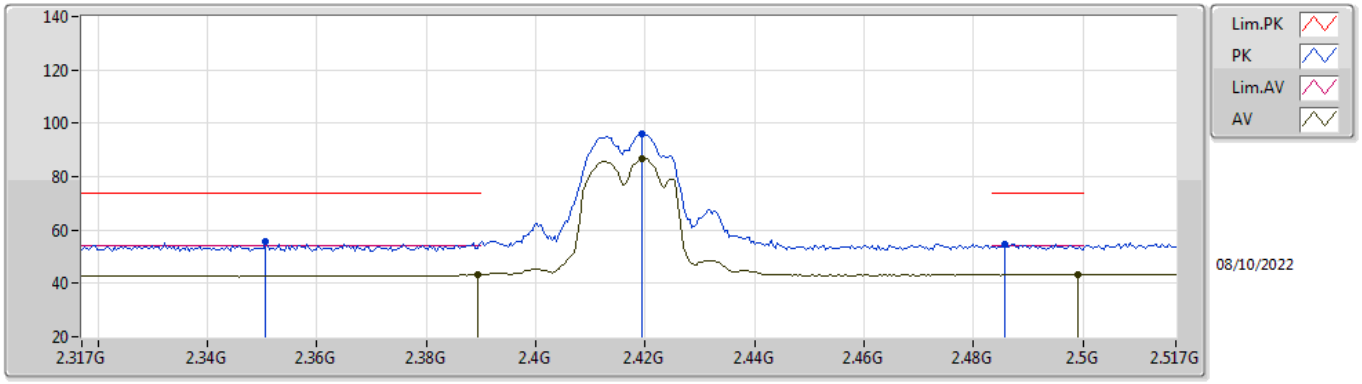



EUT Y_4TX
Setting 15
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.385G | 66.70 | 74.00 | -7.30 | 35.57 | 3 | Vertical | 193 | 1.59 | - | 27.54 | 3.59 | - |
| AV | 2.3898G | 52.34 | 54.00 | -1.66 | 21.19 | 3 | Vertical | 193 | 1.59 | - | 27.56 | 3.59 | - |
| PK | 2.4226G | 118.58 | Inf | -Inf | 87.42 | 3 | Vertical | 193 | 1.59 | - | 27.55 | 3.61 | - |
| AV | 2.4222G | 109.23 | Inf | -Inf | 78.06 | 3 | Vertical | 193 | 1.59 | - | 27.56 | 3.61 | - |
| PK | 2.4835G | 59.00 | 74.00 | -15.00 | 27.66 | 3 | Vertical | 193 | 1.59 | - | 27.70 | 3.64 | - |
| AV | 2.4842G | 45.28 | 54.00 | -8.72 | 13.93 | 3 | Vertical | 193 | 1.59 | - | 27.71 | 3.64 | - |

## 802.11g_Nss1,(6Mbps)_4TX

## 2417MHz_TX

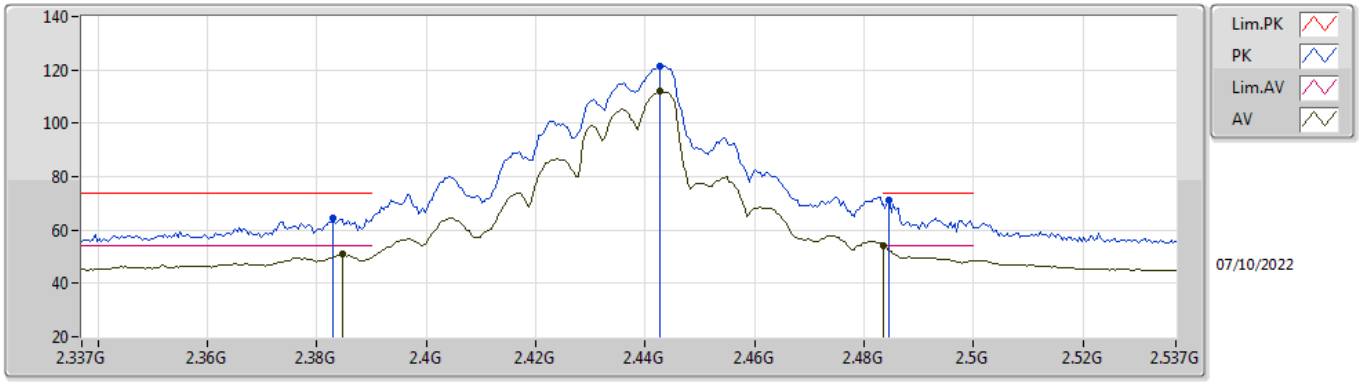



EUT Y_4TX
Setting 15
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3506G | 55.67 | 74.00 | -18.33 | 24.72 | 3 | Horizontal | 142 | 1.13 | - | 27.40 | 3.55 | - |
| AV | 2.3894G | 43.41 | 54.00 | -10.59 | 12.26 | 3 | Horizontal | 142 | 1.13 | - | 27.56 | 3.59 | - |
| PK | 2.4194G | 96.12 | Inf | -Inf | 64.95 | 3 | Horizontal | 142 | 1.13 | - | 27.56 | 3.61 | - |
| AV | 2.4194G | 86.69 | Inf | -Inf | 55.52 | 3 | Horizontal | 142 | 1.13 | - | 27.56 | 3.61 | - |
| PK | 2.4858G | 54.59 | 74.00 | -19.41 | 23.24 | 3 | Horizontal | 142 | 1.13 | - | 27.71 | 3.64 | - |
| AV | 2.499G | 43.31 | 54.00 | -10.69 | 11.87 | 3 | Horizontal | 142 | 1.13 | - | 27.79 | 3.65 | - |

## 802.11g_Nss1,(6Mbps)_4TX

## 2437MHz_TX

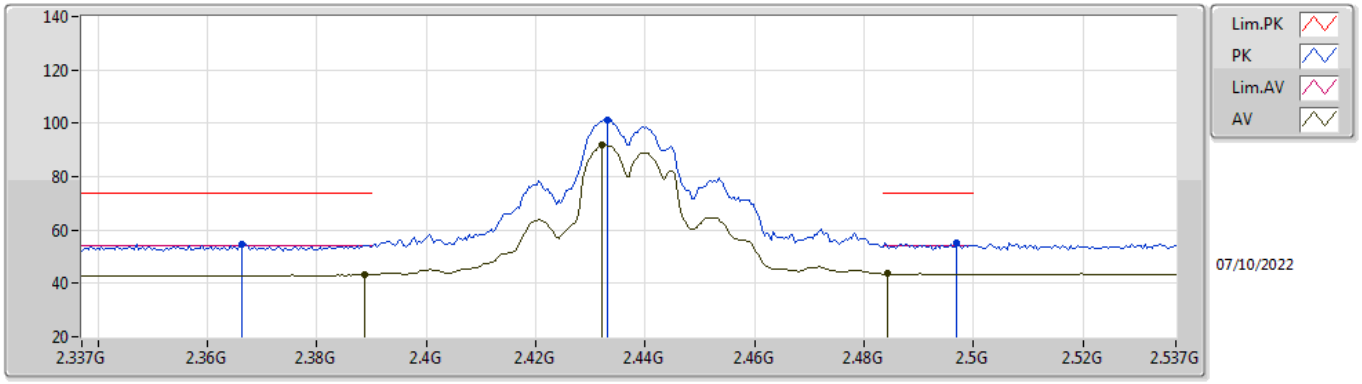



EUT Y_4TX
Setting 19
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.383G | 64.74 | 74.00 | -9.26 | 33.63 | 3 | Vertical | 192 | 1.57 | - | 27.53 | 3.58 | - |
| AV | 2.3846G | 50.82 | 54.00 | -3.18 | 19.70 | 3 | Vertical | 192 | 1.57 | - | 27.54 | 3.58 | - |
| PK | 2.4426G | 121.46 | Inf | -Inf | 90.33 | 3 | Vertical | 192 | 1.57 | - | 27.51 | 3.62 | - |
| AV | 2.4426G | 111.91 | Inf | -Inf | 80.78 | 3 | Vertical | 192 | 1.57 | - | 27.51 | 3.62 | - |
| PK | 2.4846G | 70.97 | 74.00 | -3.03 | 39.62 | 3 | Vertical | 192 | 1.57 | - | 27.71 | 3.64 | - |
| AV | 2.4835G | 53.89 | 54.00 | -0.11 | 22.55 | 3 | Vertical | 192 | 1.57 | - | 27.70 | 3.64 | - |

## 802.11g_Nss1,(6Mbps)_4TX

## 2437MHz_TX

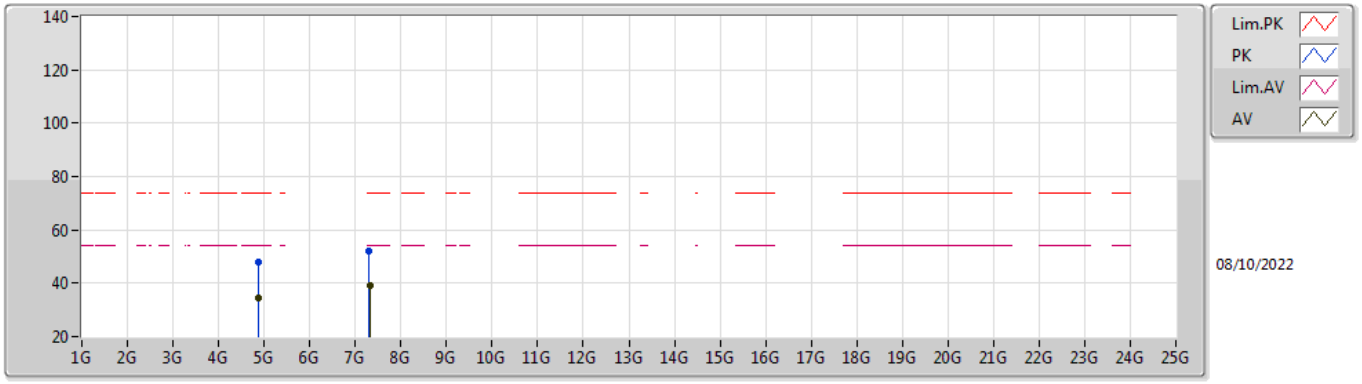



EUT Y_4TX
Setting 19
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3662G | 54.86 | 74.00 | -19.14 | 23.83 | 3 | Horizontal | 141 | 1.16 | - | 27.46 | 3.57 | - |
| AV | 2.3886G | 43.28 | 54.00 | -10.72 | 12.14 | 3 | Horizontal | 141 | 1.16 | - | 27.55 | 3.59 | - |
| PK | 2.433G | 101.31 | Inf | -Inf | 70.16 | 3 | Horizontal | 141 | 1.16 | - | 27.53 | 3.62 | - |
| AV | 2.4322G | 91.79 | Inf | -Inf | 60.63 | 3 | Horizontal | 141 | 1.16 | - | 27.54 | 3.62 | - |
| PK | 2.497G | 54.99 | 74.00 | -19.01 | 23.56 | 3 | Horizontal | 141 | 1.16 | - | 27.78 | 3.65 | - |
| AV | 2.4842G | 43.73 | 54.00 | -10.27 | 12.38 | 3 | Horizontal | 141 | 1.16 | - | 27.71 | 3.64 | - |

## 802.11g_Nss1,(6Mbps)_4TX

## 2437MHz_TX

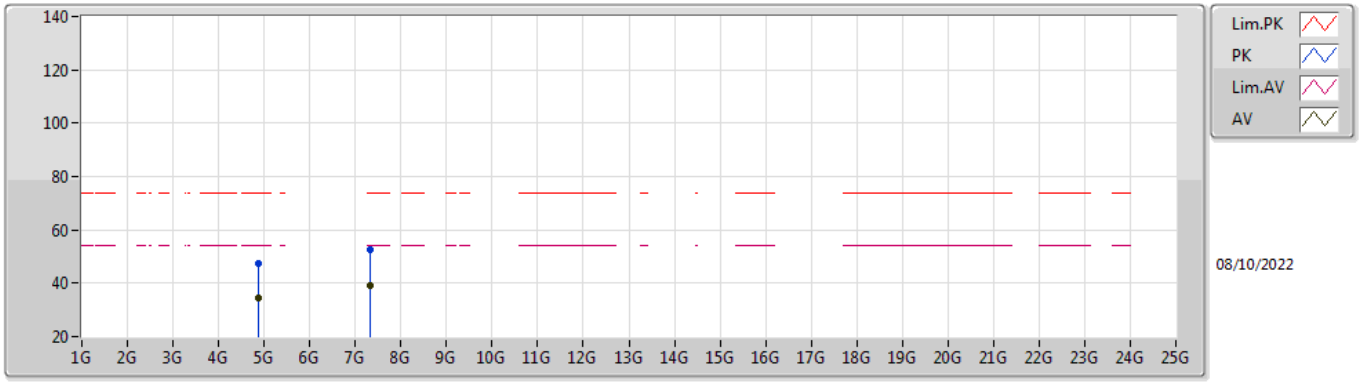



EUT Y_4TX
Setting 19
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.86948G | 47.77 | 74.00 | -26.23 | 42.34 | 3 | Vertical | 263 | 1.64 | - | 32.54 | 5.77 | 32.88 |
| AV | 4.87714G | 34.44 | 54.00 | -19.56 | 28.98 | 3 | Vertical | 263 | 1.64 | - | 32.55 | 5.78 | 32.87 |
| PK | 7.30682G | 52.30 | 74.00 | -21.70 | 41.04 | 3 | Vertical | 110 | 1.36 | - | 37.29 | 7.15 | 33.18 |
| AV | 7.31072G | 39.24 | 54.00 | -14.76 | 27.98 | 3 | Vertical | 110 | 1.36 | - | 37.28 | 7.16 | 33.18 |

## 802.11g_Nss1,(6Mbps)_4TX

## 2437MHz_TX

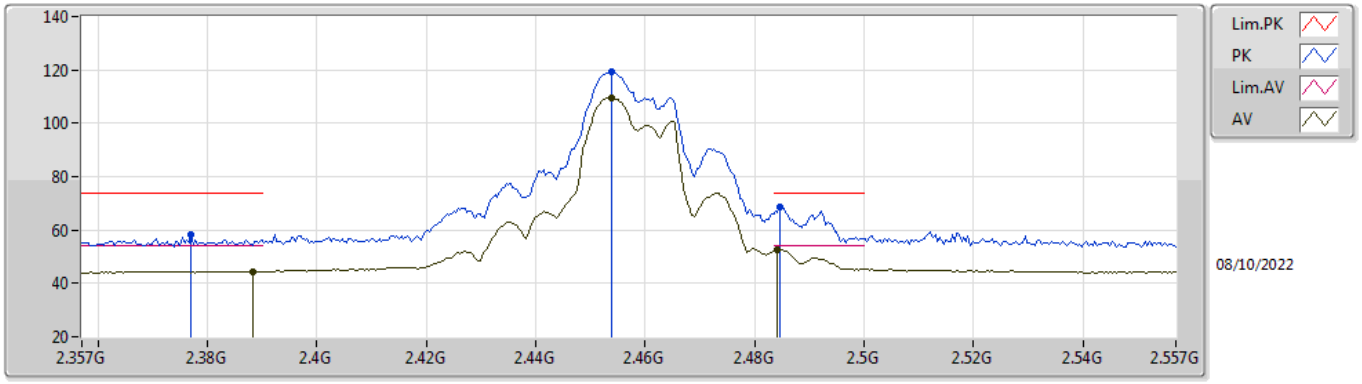



EUT Y_4TX
Setting 19
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.87046G | 47.38 | 74.00 | -26.62 | 41.95 | 3 | Horizontal | 351 | 2.54 | - | 32.54 | 5.77 | 32.88 |
| AV | 4.87836G | 34.26 | 54.00 | -19.74 | 28.79 | 3 | Horizontal | 351 | 2.54 | - | 32.56 | 5.78 | 32.87 |
| PK | 7.31306G | 52.43 | 74.00 | -21.57 | 41.18 | 3 | Horizontal | 293 | 1.58 | - | 37.27 | 7.16 | 33.18 |
| AV | 7.31222G | 39.10 | 54.00 | -14.90 | 27.84 | 3 | Horizontal | 293 | 1.58 | - | 37.28 | 7.16 | 33.18 |

## 802.11g_Nss1,(6Mbps)_4TX

## 2457MHz_TX

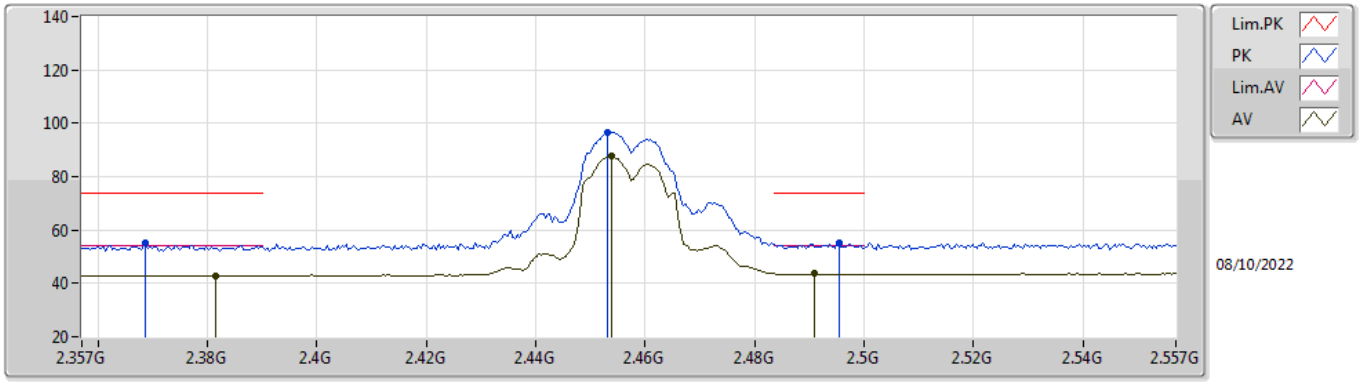



EUT Y_4TX
Setting 16
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.377G | 58.18 | 74.00 | -15.82 | 27.09 | 3 | Vertical | 214 | 1.83 | - | 27.51 | 3.58 | - |
| AV | 2.3882G | 44.51 | 54.00 | -9.49 | 13.37 | 3 | Vertical | 214 | 1.83 | - | 27.55 | 3.59 | - |
| PK | 2.4538G | 119.38 | Inf | -Inf | 88.23 | 3 | Vertical | 214 | 1.83 | - | 27.52 | 3.63 | - |
| AV | 2.4538G | 109.67 | Inf | -Inf | 78.52 | 3 | Vertical | 214 | 1.83 | - | 27.52 | 3.63 | - |
| PK | 2.4846G | 68.46 | 74.00 | -5.54 | 37.11 | 3 | Vertical | 214 | 1.83 | - | 27.71 | 3.64 | - |
| AV | 2.4842G | 52.72 | 54.00 | -1.28 | 21.37 | 3 | Vertical | 214 | 1.83 | - | 27.71 | 3.64 | - |

## 802.11g_Nss1,(6Mbps)_4TX

## 2457MHz_TX

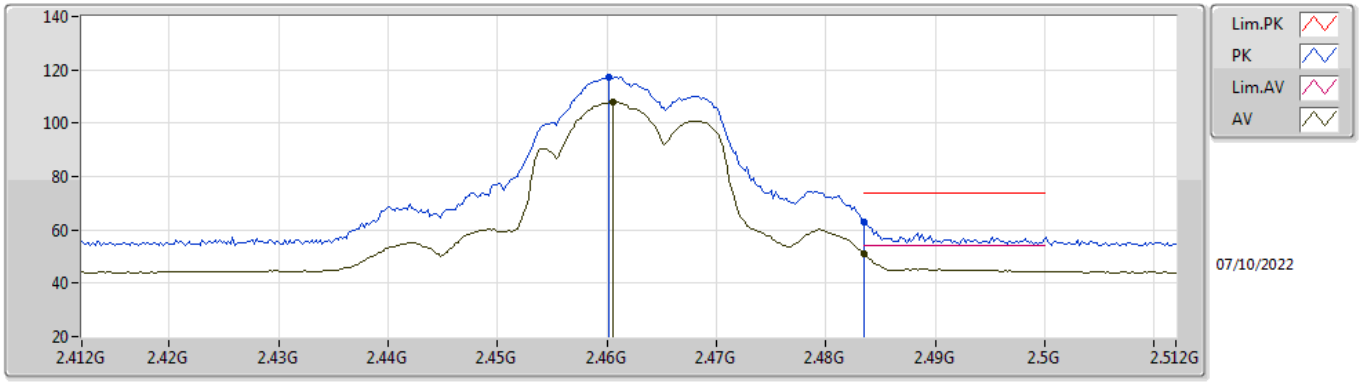



EUT Y_4TX
Setting 16
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3686G | 55.02 | 74.00 | -18.98 | 23.98 | 3 | Horizontal | 142 | 1.04 | - | 27.47 | 3.57 | - |
| AV | 2.3814G | 42.96 | 54.00 | -11.04 | 11.85 | 3 | Horizontal | 142 | 1.04 | - | 27.53 | 3.58 | - |
| PK | 2.453G | 96.57 | Inf | -Inf | 65.42 | 3 | Horizontal | 142 | 1.04 | - | 27.52 | 3.63 | - |
| AV | 2.4538G | 87.64 | Inf | -Inf | 56.49 | 3 | Horizontal | 142 | 1.04 | - | 27.52 | 3.63 | - |
| PK | 2.4954G | 55.04 | 74.00 | -18.96 | 23.62 | 3 | Horizontal | 142 | 1.04 | - | 27.77 | 3.65 | - |
| AV | 2.491G | 43.57 | 54.00 | -10.43 | 12.17 | 3 | Horizontal | 142 | 1.04 | - | 27.75 | 3.65 | - |

## 802.11g_Nss1,(6Mbps)_4TX

## 2462MHz_TX

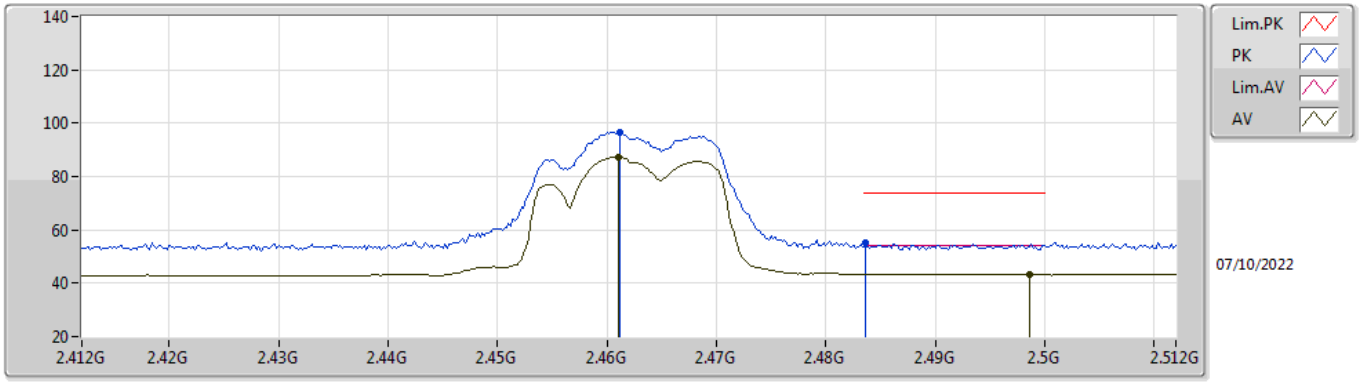



EUT Y_4TX
Setting 14
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.4602G | 117.39 | Inf | -Inf | 86.20 | 3 | Vertical | 337 | 1.80 | - | 27.56 | 3.63 | - |
| AV | 2.4606G | 107.90 | Inf | -Inf | 76.71 | 3 | Vertical | 337 | 1.80 | - | 27.56 | 3.63 | - |
| PK | 2.4835G | 62.96 | 74.00 | -11.04 | 31.62 | 3 | Vertical | 337 | 1.80 | - | 27.70 | 3.64 | - |
| AV | 2.4835G | 51.13 | 54.00 | -2.87 | 19.79 | 3 | Vertical | 337 | 1.80 | - | 27.70 | 3.64 | - |

## 802.11g_Nss1,(6Mbps)_4TX

## 2462MHz_TX

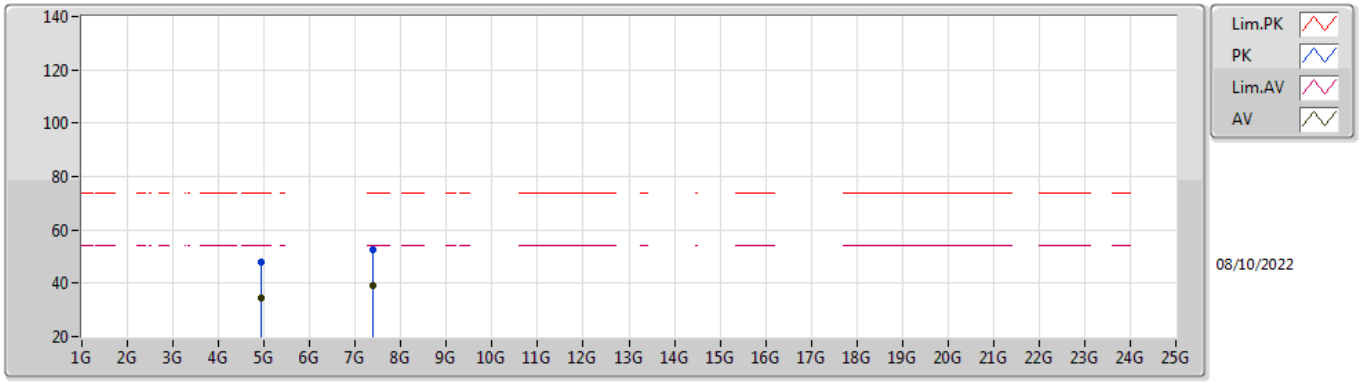



EUT Y_4TX
Setting 14
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.4612G | 96.78 | Inf | -Inf | 65.58 | 3 | Horizontal | 152 | 1.33 | - | 27.57 | 3.63 | - |
| AV | 2.461G | 87.48 | Inf | -Inf | 56.28 | 3 | Horizontal | 152 | 1.33 | - | 27.57 | 3.63 | - |
| PK | 2.4836G | 54.92 | 74.00 | -19.08 | 23.58 | 3 | Horizontal | 152 | 1.33 | - | 27.70 | 3.64 | - |
| AV | 2.4986G | 43.32 | 54.00 | -10.68 | 11.88 | 3 | Horizontal | 152 | 1.33 | - | 27.79 | 3.65 | - |

## 802.11g_Nss1,(6Mbps)_4TX

## 2462MHz_TX

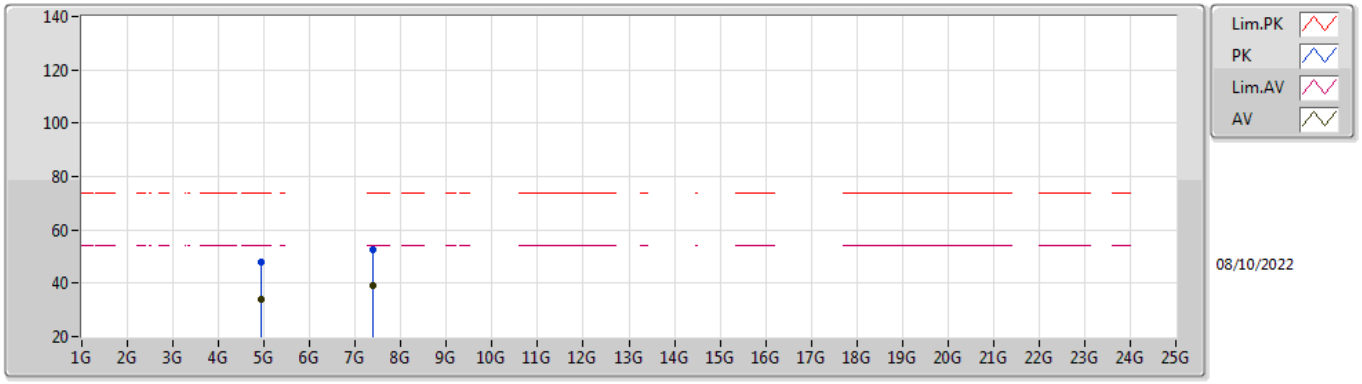



EUT Y_4TX
Setting 14
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.92818G | 48.04 | 74.00 | -25.96 | 42.41 | 3 | Vertical | 326 | 1.95 | - | 32.66 | 5.83 | 32.86 |
| AV | 4.9215G | 34.27 | 54.00 | -19.73 | 28.68 | 3 | Vertical | 326 | 1.95 | - | 32.64 | 5.82 | 32.87 |
| PK | 7.38742G | 52.54 | 74.00 | -21.46 | 41.37 | 3 | Vertical | 172 | 2.23 | - | 37.20 | 7.19 | 33.22 |
| AV | 7.3855G | 39.15 | 54.00 | -14.85 | 27.98 | 3 | Vertical | 172 | 2.23 | - | 37.20 | 7.19 | 33.22 |

## 802.11g_Nss1,(6Mbps)_4TX

## 2462MHz_TX

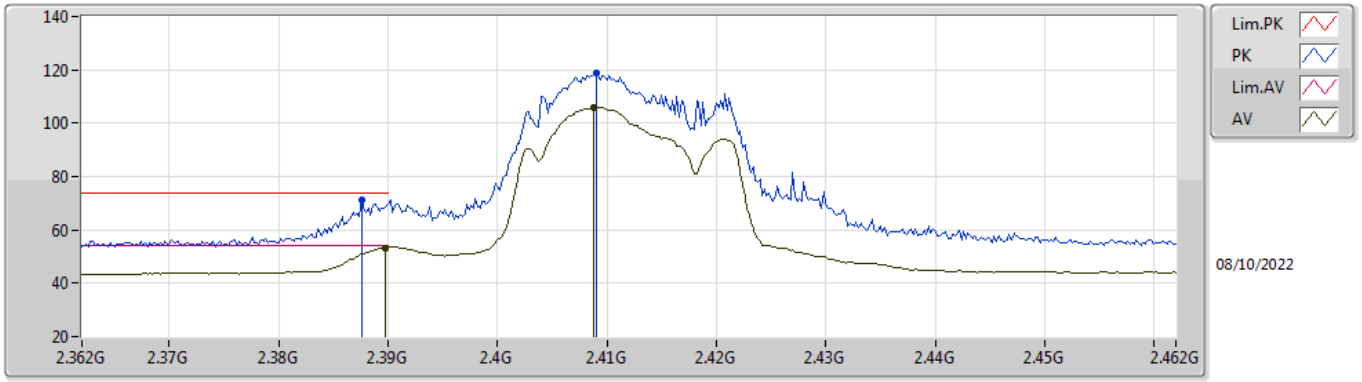



EUT Y_4TX
Setting 14
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.92424G | 47.94 | 74.00 | -26.06 | 42.34 | 3 | Horizontal | 335 | 1.62 | - | 32.65 | 5.82 | 32.87 |
| AV | 4.9251G | 34.07 | 54.00 | -19.93 | 28.45 | 3 | Horizontal | 335 | 1.62 | - | 32.65 | 5.83 | 32.86 |
| PK | 7.38414G | 52.44 | 74.00 | -21.56 | 41.27 | 3 | Horizontal | 65 | 2.14 | - | 37.20 | 7.19 | 33.22 |
| AV | 7.38122G | 39.14 | 54.00 | -14.86 | 27.97 | 3 | Horizontal | 65 | 2.14 | - | 37.20 | 7.19 | 33.22 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2412MHz_TX

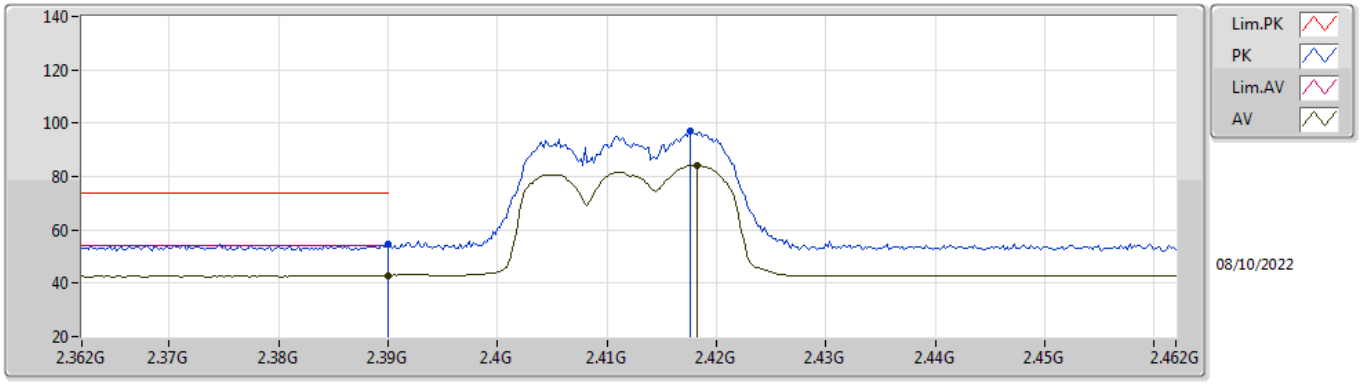



EUT Y_4TX
Setting 13
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3876G | 71.23 | 74.00 | -2.77 | 40.09 | 3 | Vertical | 166 | 1.84 | - | 27.55 | 3.59 | - |
| AV | 2.3898G | 53.17 | 54.00 | -0.83 | 22.02 | 3 | Vertical | 166 | 1.84 | - | 27.56 | 3.59 | - |
| PK | 2.409G | 118.58 | Inf | -Inf | 87.40 | 3 | Vertical | 166 | 1.84 | - | 27.58 | 3.60 | - |
| AV | 2.4088G | 105.82 | Inf | -Inf | 74.64 | 3 | Vertical | 166 | 1.84 | - | 27.58 | 3.60 | - |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2412MHz_TX

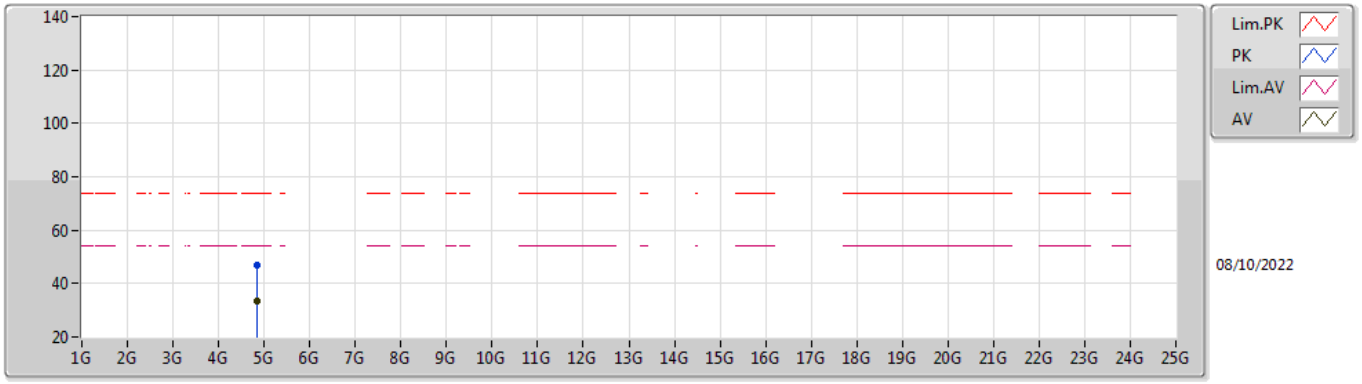



EUT Y_4TX
Setting 13
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.39G | 54.68 | 74.00 | -19.32 | 23.53 | 3 | Horizontal | 144 | 1.80 | - | 27.56 | 3.59 | - |
| AV | 2.39G | 42.84 | 54.00 | -11.16 | 11.69 | 3 | Horizontal | 144 | 1.80 | - | 27.56 | 3.59 | - |
| PK | 2.4176G | 96.88 | Inf | -Inf | 65.71 | 3 | Horizontal | 144 | 1.80 | - | 27.56 | 3.61 | - |
| AV | 2.4182G | 84.09 | Inf | -Inf | 52.92 | 3 | Horizontal | 144 | 1.80 | - | 27.56 | 3.61 | - |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2412MHz_TX

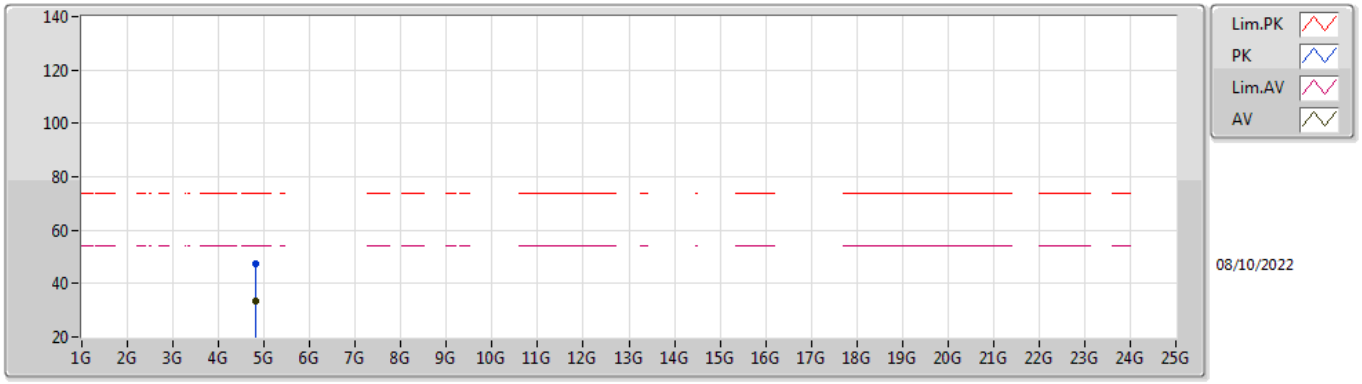



EUT Y_4TX
Setting 13
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.82884G | 46.96 | 74.00 | -27.04 | 41.65 | 3 | Vertical | 229 | 1.18 | - | 32.46 | 5.73 | 32.88 |
| AV | 4.8285G | 33.31 | 54.00 | -20.69 | 28.00 | 3 | Vertical | 229 | 1.18 | - | 32.46 | 5.73 | 32.88 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2412MHz_TX

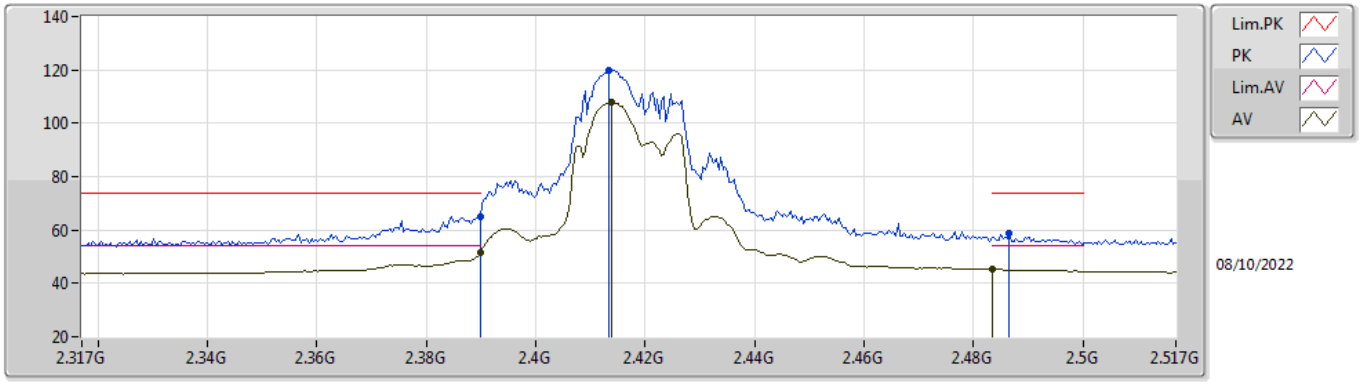



EUT Y_4TX
Setting 13
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.82476G | 47.36 | 74.00 | -26.64 | 42.08 | 3 | Horizontal | 100 | 2.82 | - | 32.45 | 5.72 | 32.89 |
| AV | 4.82818G | 33.22 | 54.00 | -20.78 | 27.91 | 3 | Horizontal | 100 | 2.82 | - | 32.46 | 5.73 | 32.88 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2417MHz_TX

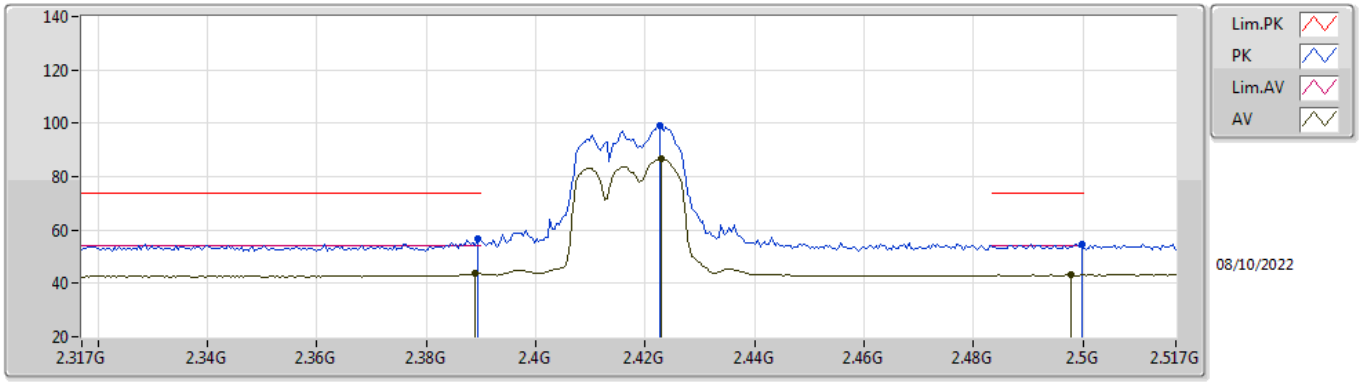



EUT Y_4TX
Setting 15
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3898G | 65.24 | 74.00 | -8.76 | 34.09 | 3 | Vertical | 168 | 1.79 | - | 27.56 | 3.59 | - |
| AV | 2.3898G | 51.73 | 54.00 | -2.27 | 20.58 | 3 | Vertical | 168 | 1.79 | - | 27.56 | 3.59 | - |
| PK | 2.4134G | 119.76 | Inf | -Inf | 88.58 | 3 | Vertical | 168 | 1.79 | - | 27.57 | 3.61 | - |
| AV | 2.4138G | 107.90 | Inf | -Inf | 76.72 | 3 | Vertical | 168 | 1.79 | - | 27.57 | 3.61 | - |
| PK | 2.4866G | 58.90 | 74.00 | -15.10 | 27.54 | 3 | Vertical | 168 | 1.79 | - | 27.72 | 3.64 | - |
| AV | 2.4835G | 45.28 | 54.00 | -8.72 | 13.94 | 3 | Vertical | 168 | 1.79 | - | 27.70 | 3.64 | - |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2417MHz_TX

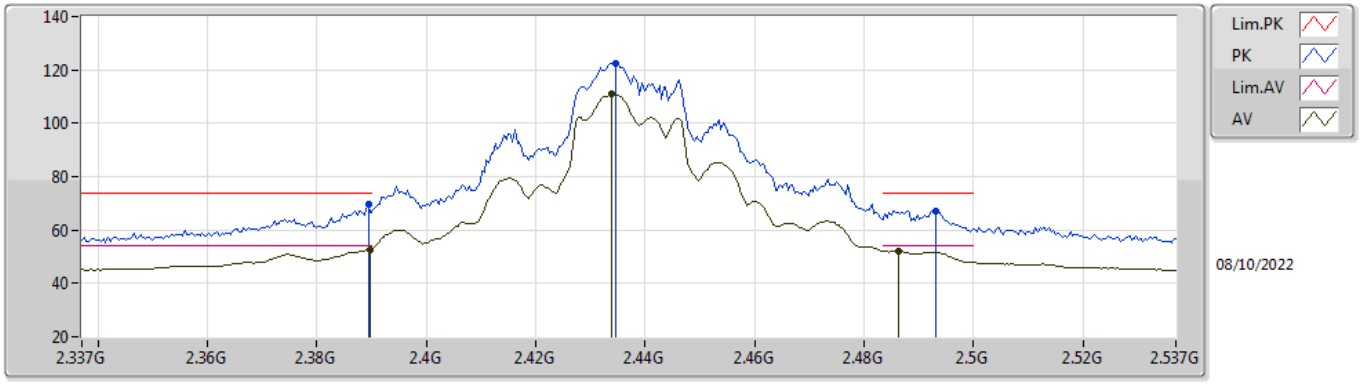



EUT Y_4TX
Setting 15
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3894G | 56.86 | 74.00 | -17.14 | 25.71 | 3 | Horizontal | 144 | 1.80 | - | 27.56 | 3.59 | - |
| AV | 2.389G | 43.61 | 54.00 | -10.39 | 12.46 | 3 | Horizontal | 144 | 1.80 | - | 27.56 | 3.59 | - |
| PK | 2.4226G | 98.98 | Inf | -Inf | 67.82 | 3 | Horizontal | 144 | 1.80 | - | 27.55 | 3.61 | - |
| AV | 2.423G | 86.70 | Inf | -Inf | 55.54 | 3 | Horizontal | 144 | 1.80 | - | 27.55 | 3.61 | - |
| PK | 2.4998G | 54.88 | 74.00 | -19.12 | 23.43 | 3 | Horizontal | 144 | 1.80 | - | 27.80 | 3.65 | - |
| AV | 2.4978G | 43.11 | 54.00 | -10.89 | 11.67 | 3 | Horizontal | 144 | 1.80 | - | 27.79 | 3.65 | - |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2437MHz_TX

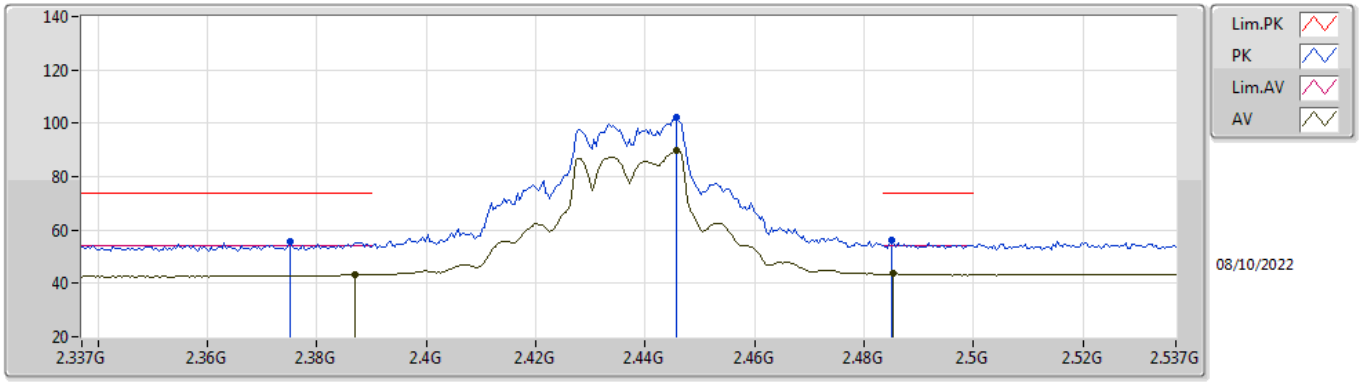



EUT Y_4TX
Setting 19
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3894G | 69.86 | 74.00 | -4.14 | 38.71 | 3 | Vertical | 211 | 1.80 | - | 27.56 | 3.59 | - |
| AV | 2.3898G | 52.71 | 54.00 | -1.29 | 21.56 | 3 | Vertical | 211 | 1.80 | - | 27.56 | 3.59 | - |
| PK | 2.4346G | 122.66 | Inf | -Inf | 91.51 | 3 | Vertical | 211 | 1.80 | - | 27.53 | 3.62 | - |
| AV | 2.4338G | 110.82 | Inf | -Inf | 79.67 | 3 | Vertical | 211 | 1.80 | - | 27.53 | 3.62 | - |
| PK | 2.493G | 67.30 | 74.00 | -6.70 | 35.89 | 3 | Vertical | 211 | 1.80 | - | 27.76 | 3.65 | - |
| AV | 2.4862G | 52.11 | 54.00 | -1.89 | 20.75 | 3 | Vertical | 211 | 1.80 | - | 27.72 | 3.64 | - |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2437MHz_TX

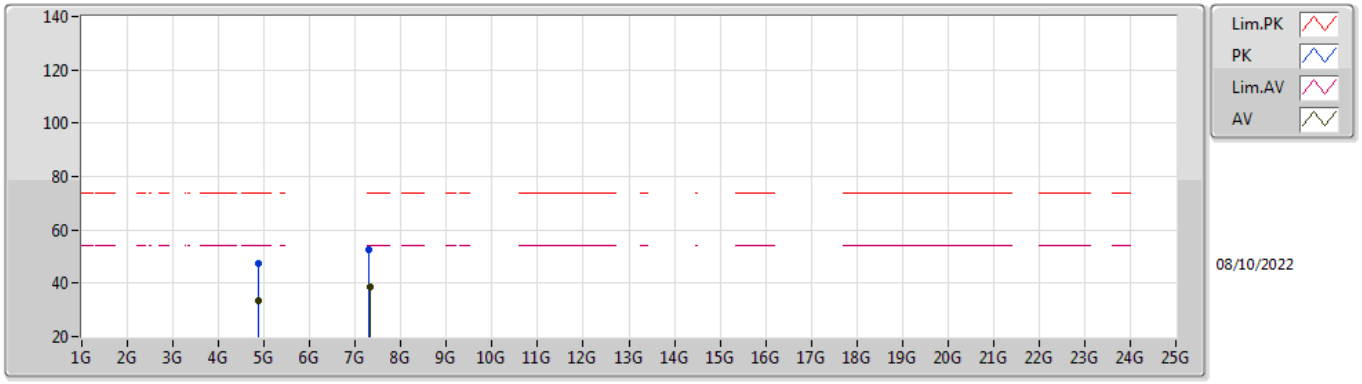



EUT Y_4TX
Setting 19
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.375G | 55.58 | 74.00 | -18.42 | 24.50 | 3 | Horizontal | 142 | 1.09 | - | 27.50 | 3.58 | - |
| AV | 2.387G | 43.49 | 54.00 | -10.51 | 12.35 | 3 | Horizontal | 142 | 1.09 | - | 27.55 | 3.59 | - |
| PK | 2.4458G | 102.37 | Inf | -Inf | 71.24 | 3 | Horizontal | 142 | 1.09 | - | 27.51 | 3.62 | - |
| AV | 2.4458G | 89.64 | Inf | -Inf | 58.51 | 3 | Horizontal | 142 | 1.09 | - | 27.51 | 3.62 | - |
| PK | 2.485G | 56.12 | 74.00 | -17.88 | 24.77 | 3 | Horizontal | 142 | 1.09 | - | 27.71 | 3.64 | - |
| AV | 2.4854G | 43.66 | 54.00 | -10.34 | 12.31 | 3 | Horizontal | 142 | 1.09 | - | 27.71 | 3.64 | - |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2437MHz_TX

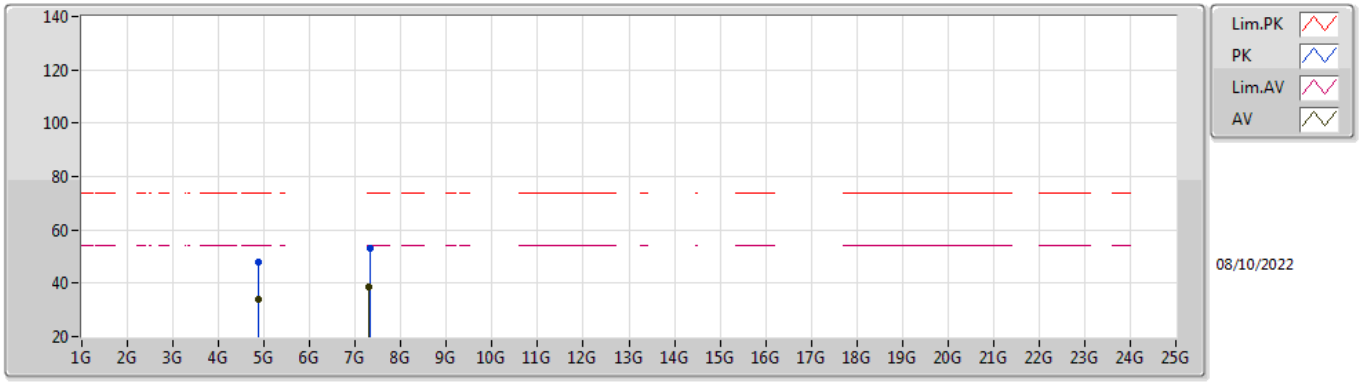



EUT Y_4TX
Setting 19
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.87016G | 47.39 | 74.00 | -26.61 | 41.96 | 3 | Vertical | 275 | 2.21 | - | 32.54 | 5.77 | 32.88 |
| AV | 4.87888G | 33.70 | 54.00 | -20.30 | 28.23 | 3 | Vertical | 275 | 2.21 | - | 32.56 | 5.78 | 32.87 |
| PK | 7.3091G | 52.55 | 74.00 | -21.45 | 41.30 | 3 | Vertical | 128 | 2.54 | - | 37.28 | 7.15 | 33.18 |
| AV | 7.31108G | 38.72 | 54.00 | -15.28 | 27.46 | 3 | Vertical | 128 | 2.54 | - | 37.28 | 7.16 | 33.18 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2437MHz_TX

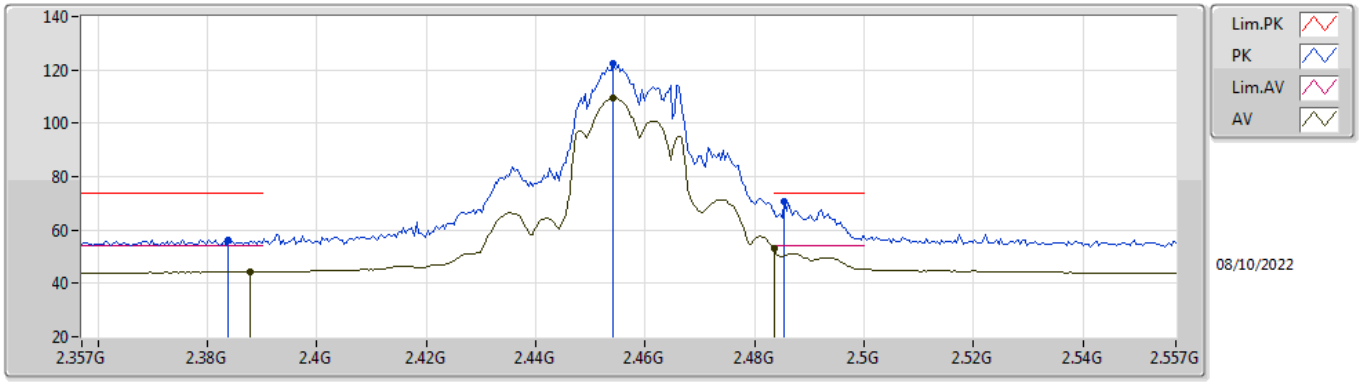



EUT Y_4TX
Setting 19
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.87594G | 47.97 | 74.00 | -26.03 | 42.51 | 3 | Horizontal | 253 | 2.66 | - | 32.55 | 5.78 | 32.87 |
| AV | 4.87258G | 33.74 | 54.00 | -20.26 | 28.30 | 3 | Horizontal | 253 | 2.66 | - | 32.55 | 5.77 | 32.88 |
| PK | 7.3141G | 53.18 | 74.00 | -20.82 | 41.93 | 3 | Horizontal | 63 | 1.28 | - | 37.27 | 7.16 | 33.18 |
| AV | 7.30904G | 38.65 | 54.00 | -15.35 | 27.40 | 3 | Horizontal | 63 | 1.28 | - | 37.28 | 7.15 | 33.18 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2457MHz_TX

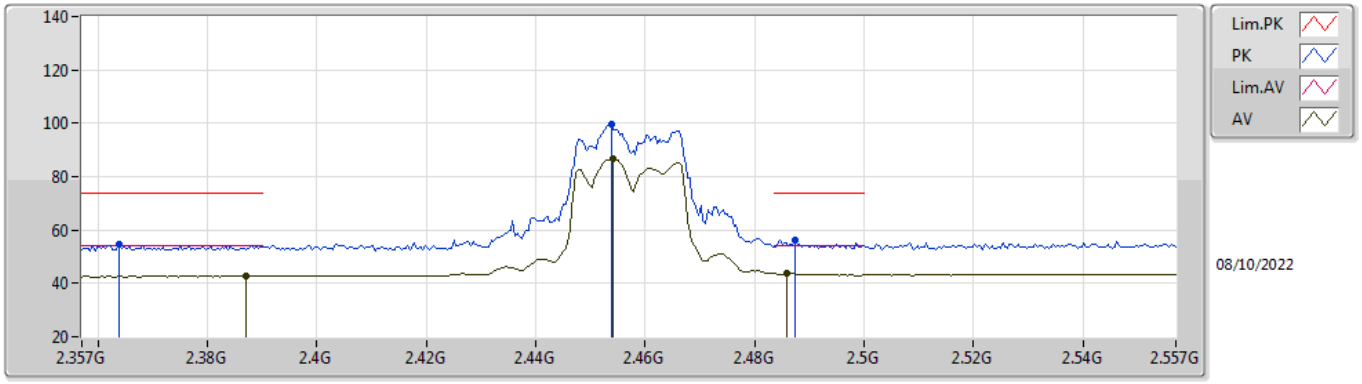



EUT Y_4TX
Setting 16
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3838G | 56.46 | 74.00 | -17.54 | 25.34 | 3 | Vertical | 213 | 1.70 | - | 27.54 | 3.58 | - |
| AV | 2.3878G | 44.27 | 54.00 | -9.73 | 13.13 | 3 | Vertical | 213 | 1.70 | - | 27.55 | 3.59 | - |
| PK | 2.4542G | 122.45 | Inf | -Inf | 91.29 | 3 | Vertical | 213 | 1.70 | - | 27.53 | 3.63 | - |
| AV | 2.4542G | 109.24 | Inf | -Inf | 78.08 | 3 | Vertical | 213 | 1.70 | - | 27.53 | 3.63 | - |
| PK | 2.4854G | 70.67 | 74.00 | -3.33 | 39.32 | 3 | Vertical | 213 | 1.70 | - | 27.71 | 3.64 | - |
| AV | 2.4835G | 53.02 | 54.00 | -0.98 | 21.68 | 3 | Vertical | 213 | 1.70 | - | 27.70 | 3.64 | - |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2457MHz_TX

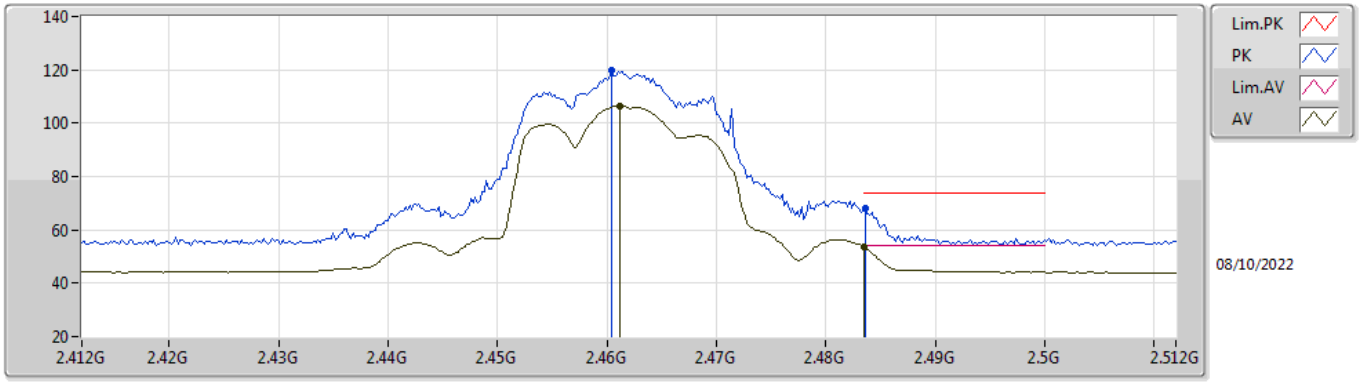



EUT Y_4TX
Setting 16
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3638G | 54.58 | 74.00 | -19.42 | 23.56 | 3 | Horizontal | 144 | 1.00 | - | 27.46 | 3.56 | - |
| AV | 2.387G | 42.77 | 54.00 | -11.23 | 11.63 | 3 | Horizontal | 144 | 1.00 | - | 27.55 | 3.59 | - |
| PK | 2.4538G | 99.70 | Inf | -Inf | 68.55 | 3 | Horizontal | 144 | 1.00 | - | 27.52 | 3.63 | - |
| AV | 2.4542G | 86.51 | Inf | -Inf | 55.35 | 3 | Horizontal | 144 | 1.00 | - | 27.53 | 3.63 | - |
| PK | 2.4874G | 56.21 | 74.00 | -17.79 | 24.85 | 3 | Horizontal | 144 | 1.00 | - | 27.72 | 3.64 | - |
| AV | 2.4858G | 43.76 | 54.00 | -10.24 | 12.41 | 3 | Horizontal | 144 | 1.00 | - | 27.71 | 3.64 | - |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2462MHz_TX

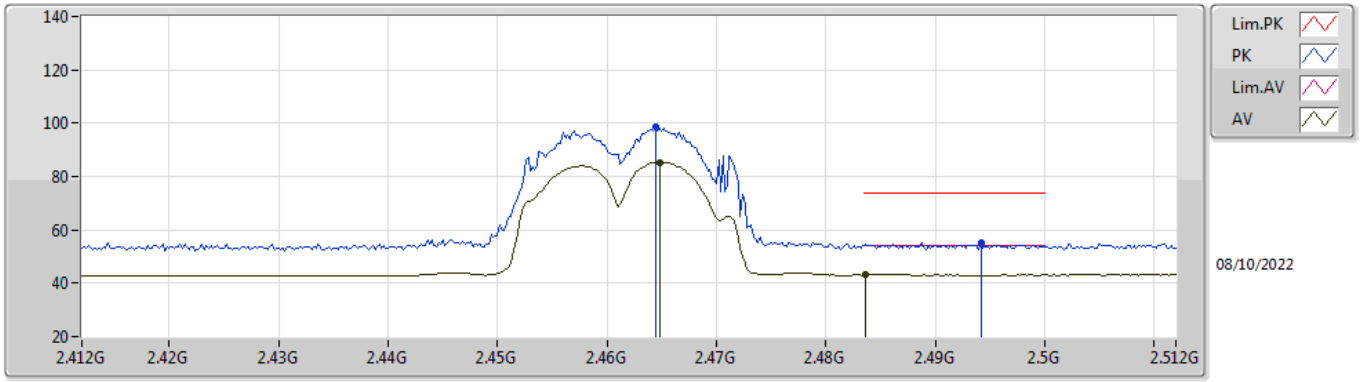



EUT Y_4TX
Setting 13
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.4604G | 119.63 | Inf | -Inf | 88.44 | 3 | Vertical | 207 | 1.90 | - | 27.56 | 3.63 | - |
| AV | 2.4612G | 106.60 | Inf | -Inf | 75.40 | 3 | Vertical | 207 | 1.90 | - | 27.57 | 3.63 | - |
| PK | 2.4836G | 67.99 | 74.00 | -6.01 | 36.65 | 3 | Vertical | 207 | 1.90 | - | 27.70 | 3.64 | - |
| AV | 2.4835G | 53.50 | 54.00 | -0.50 | 22.16 | 3 | Vertical | 207 | 1.90 | - | 27.70 | 3.64 | - |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2462MHz_TX

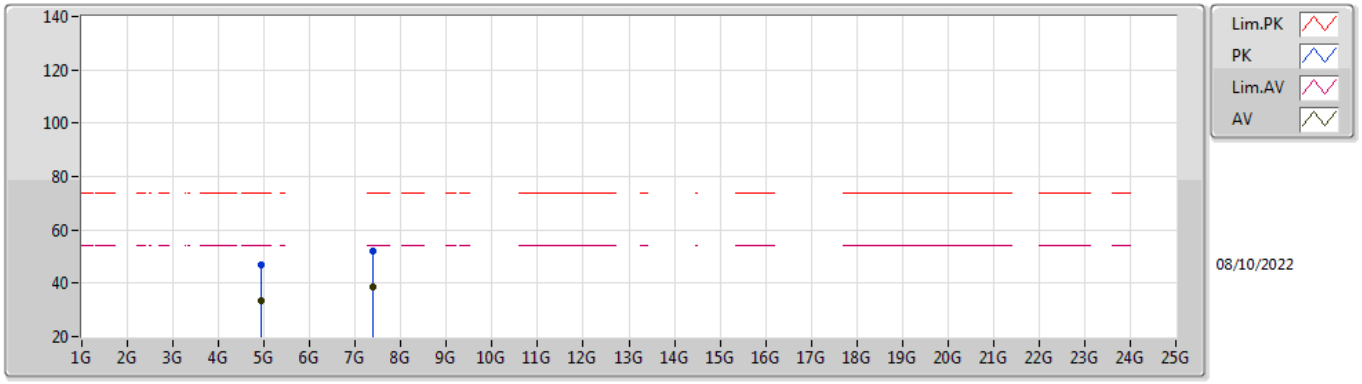



EUT Y_4TX
Setting 13
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.4644G | 98.52 | Inf | -Inf | 67.30 | 3 | Horizontal | 142 | 1.79 | - | 27.59 | 3.63 | - |
| AV | 2.4648G | 85.39 | Inf | -Inf | 54.17 | 3 | Horizontal | 142 | 1.79 | - | 27.59 | 3.63 | - |
| PK | 2.4942G | 55.20 | 74.00 | -18.80 | 23.78 | 3 | Horizontal | 142 | 1.79 | - | 27.77 | 3.65 | - |
| AV | 2.4836G | 43.22 | 54.00 | -10.78 | 11.88 | 3 | Horizontal | 142 | 1.79 | - | 27.70 | 3.64 | - |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2462MHz_TX

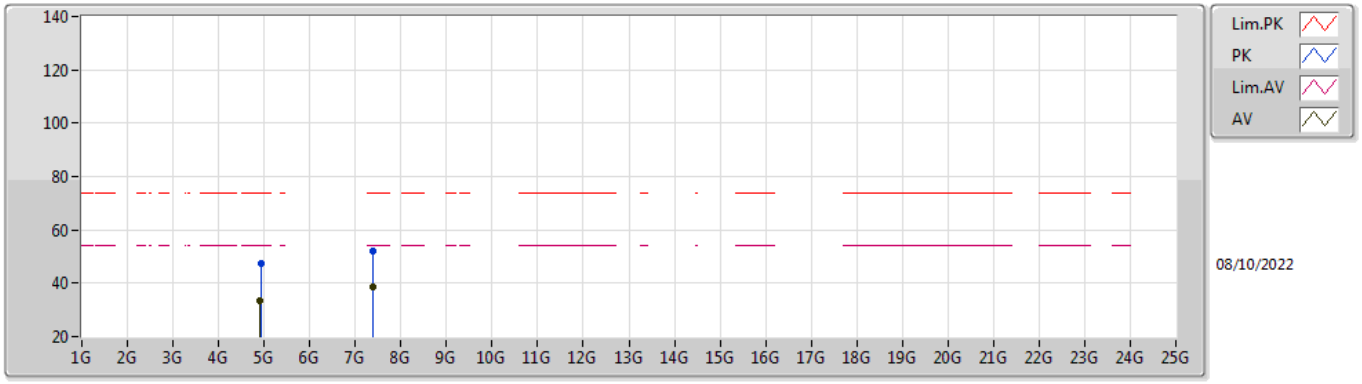



EUT Y_4TX
Setting 13
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.9221G | 47.06 | 74.00 | -26.94 | 41.47 | 3 | Vertical | 210 | 1.73 | - | 32.64 | 5.82 | 32.87 |
| AV | 4.92742G | 33.66 | 54.00 | -20.34 | 28.04 | 3 | Vertical | 210 | 1.73 | - | 32.65 | 5.83 | 32.86 |
| PK | 7.38516G | 52.15 | 74.00 | -21.85 | 40.98 | 3 | Vertical | 301 | 2.63 | - | 37.20 | 7.19 | 33.22 |
| AV | 7.38704G | 38.68 | 54.00 | -15.32 | 27.51 | 3 | Vertical | 301 | 2.63 | - | 37.20 | 7.19 | 33.22 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2462MHz_TX

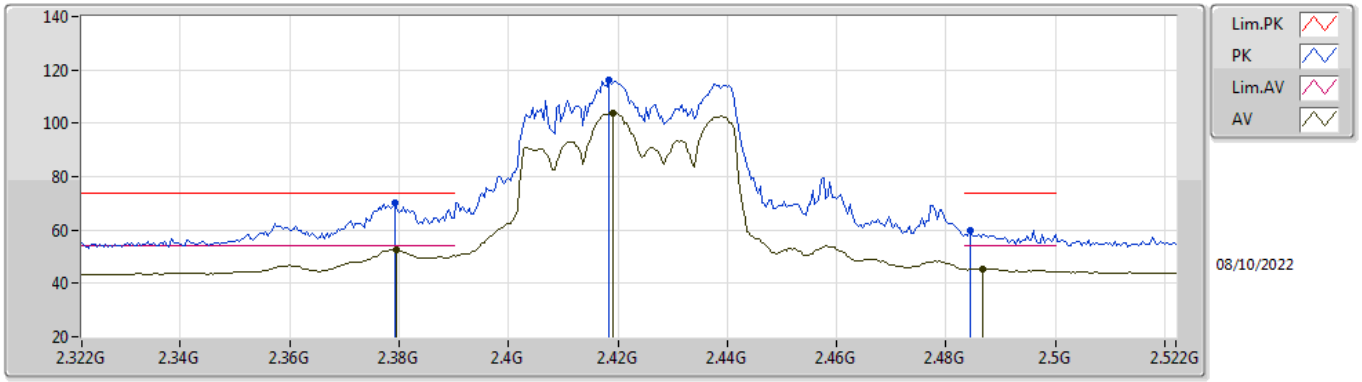



EUT Y_4TX
Setting 13
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.9246G | 47.57 | 74.00 | -26.43 | 41.97 | 3 | Horizontal | 14 | 1.04 | - | 32.65 | 5.82 | 32.87 |
| AV | 4.9192G | 33.57 | 54.00 | -20.43 | 27.98 | 3 | Horizontal | 14 | 1.04 | - | 32.64 | 5.82 | 32.87 |
| PK | 7.38346G | 51.84 | 74.00 | -22.16 | 40.67 | 3 | Horizontal | 198 | 1.12 | - | 37.20 | 7.19 | 33.22 |
| AV | 7.38368G | 38.66 | 54.00 | -15.34 | 27.49 | 3 | Horizontal | 198 | 1.12 | - | 37.20 | 7.19 | 33.22 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2422MHz_TX

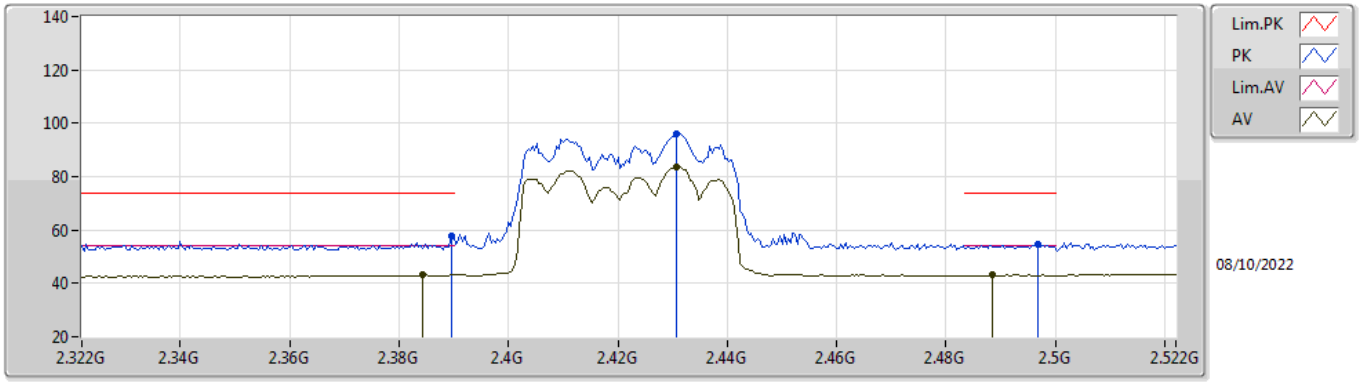



EUT Y_4TX
Setting 14
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3792G | 69.99 | 74.00 | -4.01 | 38.89 | 3 | Vertical | 167 | 1.80 | - | 27.52 | 3.58 | - |
| AV | 2.3796G | 52.73 | 54.00 | -1.27 | 21.63 | 3 | Vertical | 167 | 1.80 | - | 27.52 | 3.58 | - |
| PK | 2.4184G | 116.28 | Inf | -Inf | 85.11 | 3 | Vertical | 167 | 1.80 | - | 27.56 | 3.61 | - |
| AV | 2.4192G | 103.96 | Inf | -Inf | 72.79 | 3 | Vertical | 167 | 1.80 | - | 27.56 | 3.61 | - |
| PK | 2.4844G | 59.75 | 74.00 | -14.25 | 28.40 | 3 | Vertical | 167 | 1.80 | - | 27.71 | 3.64 | - |
| AV | 2.4868G | 45.49 | 54.00 | -8.51 | 14.13 | 3 | Vertical | 167 | 1.80 | - | 27.72 | 3.64 | - |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2422MHz_TX

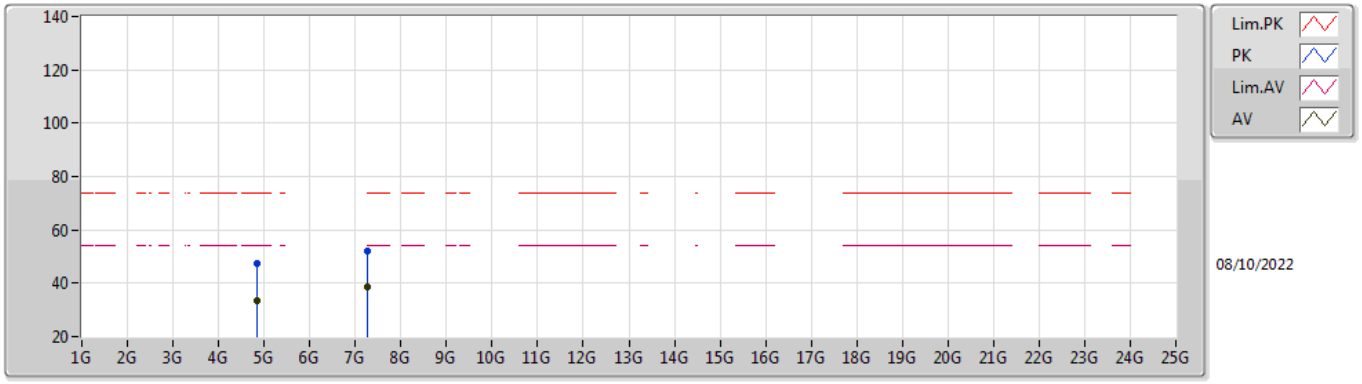



EUT Y_4TX
Setting 14
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3896G | 57.61 | 74.00 | -16.39 | 26.46 | 3 | Horizontal | 141 | 1.17 | - | 27.56 | 3.59 | - |
| AV | 2.3844G | 43.14 | 54.00 | -10.86 | 12.02 | 3 | Horizontal | 141 | 1.17 | - | 27.54 | 3.58 | - |
| PK | 2.4308G | 96.12 | Inf | -Inf | 64.96 | 3 | Horizontal | 141 | 1.17 | - | 27.54 | 3.62 | - |
| AV | 2.4308G | 83.75 | Inf | -Inf | 52.59 | 3 | Horizontal | 141 | 1.17 | - | 27.54 | 3.62 | - |
| PK | 2.4968G | 54.42 | 74.00 | -19.58 | 22.99 | 3 | Horizontal | 141 | 1.17 | - | 27.78 | 3.65 | - |
| AV | 2.4884G | 43.06 | 54.00 | -10.94 | 11.69 | 3 | Horizontal | 141 | 1.17 | - | 27.73 | 3.64 | - |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2422MHz_TX

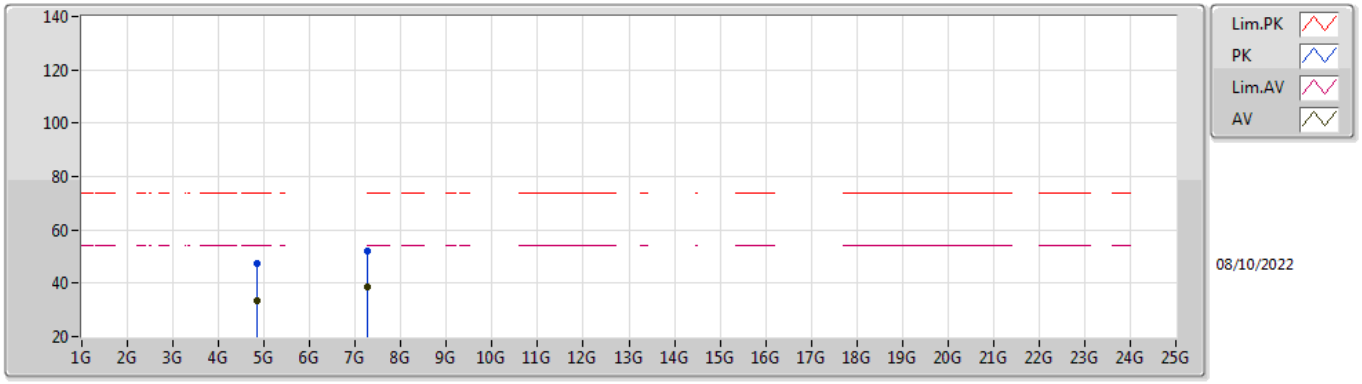



EUT Y_4TX
Setting 14
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.84398G | 47.58 | 74.00 | -26.42 | 42.23 | 3 | Vertical | 11 | 1.07 | - | 32.49 | 5.74 | 32.88 |
| AV | 4.84536G | 33.44 | 54.00 | -20.56 | 28.08 | 3 | Vertical | 11 | 1.07 | - | 32.49 | 5.75 | 32.88 |
| PK | 7.26226G | 52.27 | 74.00 | -21.73 | 41.15 | 3 | Vertical | 19 | 1.42 | - | 37.15 | 7.13 | 33.16 |
| AV | 7.26196G | 38.79 | 54.00 | -15.21 | 27.67 | 3 | Vertical | 19 | 1.42 | - | 37.15 | 7.13 | 33.16 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2422MHz_TX

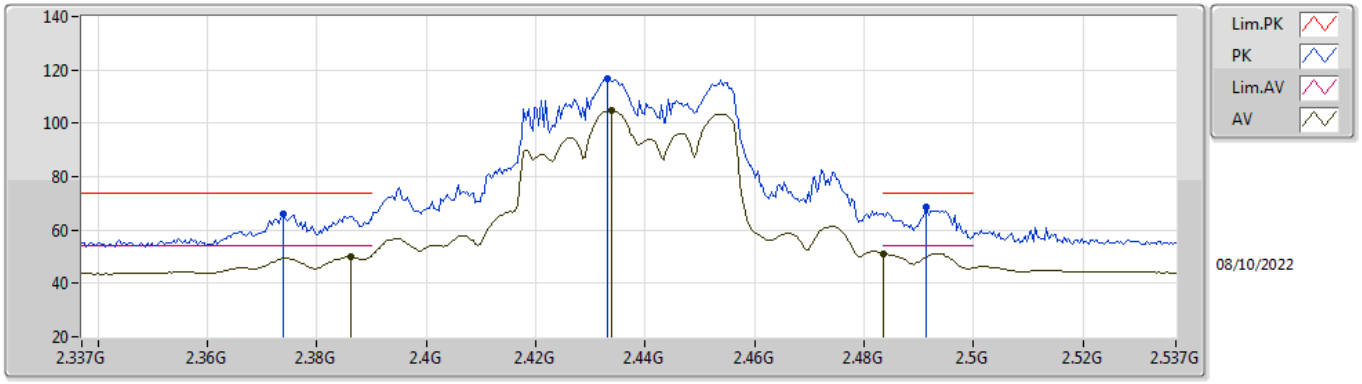



EUT Y_4TX
Setting 14
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.84174G | 47.29 | 74.00 | -26.71 | 41.95 | 3 | Horizontal | 171 | 2.91 | - | 32.48 | 5.74 | 32.88 |
| AV | 4.84896G | 33.46 | 54.00 | -20.54 | 28.09 | 3 | Horizontal | 171 | 2.91 | - | 32.50 | 5.75 | 32.88 |
| PK | 7.27022G | 52.15 | 74.00 | -21.85 | 40.99 | 3 | Horizontal | 302 | 2.73 | - | 37.18 | 7.14 | 33.16 |
| AV | 7.26256G | 38.76 | 54.00 | -15.24 | 27.64 | 3 | Horizontal | 302 | 2.73 | - | 37.15 | 7.13 | 33.16 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2437MHz_TX

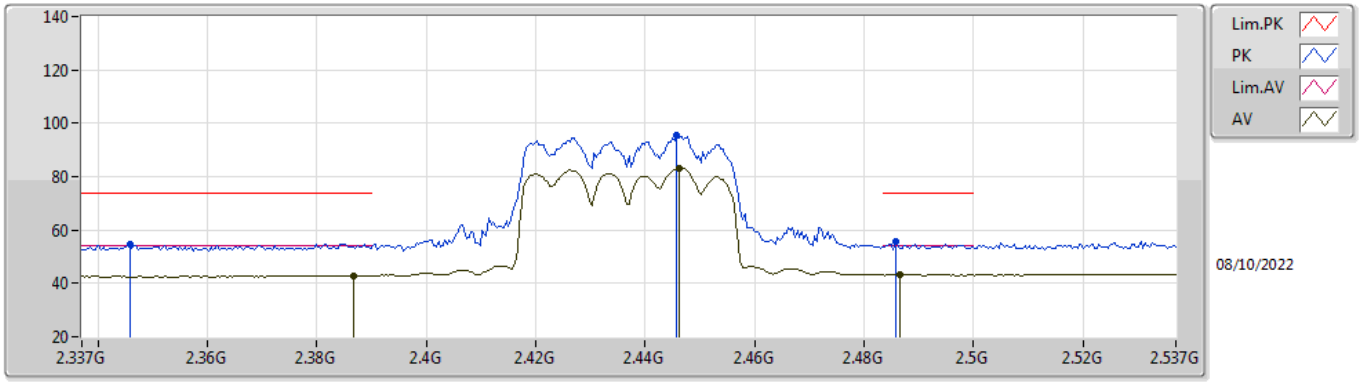



EUT Y_4TX
Setting 15
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3738G | 66.05 | 74.00 | -7.95 | 34.98 | 3 | Vertical | 168 | 1.80 | - | 27.50 | 3.57 | - |
| AV | 2.3862G | 50.08 | 54.00 | -3.92 | 18.95 | 3 | Vertical | 168 | 1.80 | - | 27.54 | 3.59 | - |
| PK | 2.433G | 116.93 | Inf | -Inf | 85.78 | 3 | Vertical | 168 | 1.80 | - | 27.53 | 3.62 | - |
| AV | 2.4338G | 104.73 | Inf | -Inf | 73.58 | 3 | Vertical | 168 | 1.80 | - | 27.53 | 3.62 | - |
| PK | 2.4914G | 68.77 | 74.00 | -5.23 | 37.37 | 3 | Vertical | 168 | 1.80 | - | 27.75 | 3.65 | - |
| AV | 2.4835G | 51.28 | 54.00 | -2.72 | 19.94 | 3 | Vertical | 168 | 1.80 | - | 27.70 | 3.64 | - |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2437MHz_TX

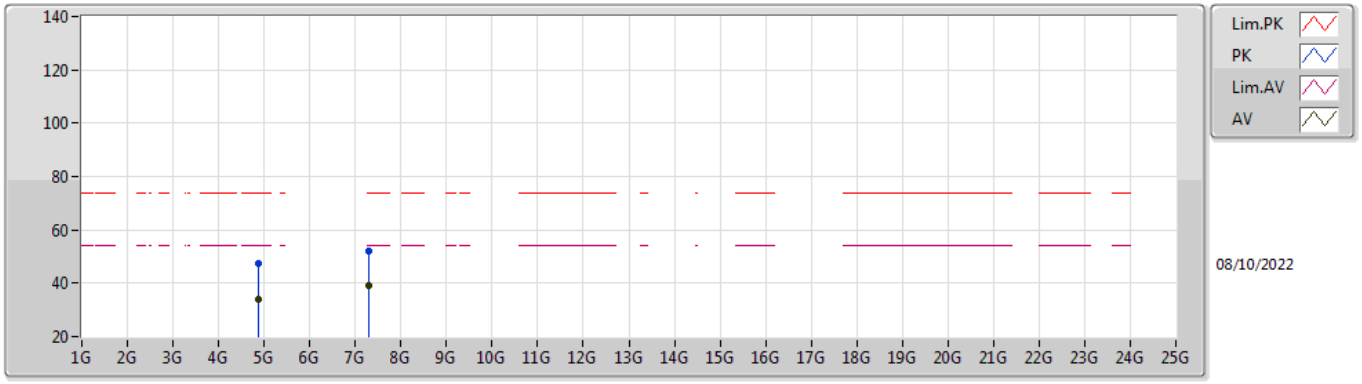



EUT Y_4TX
Setting 15
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3458G | 54.74 | 74.00 | -19.26 | 23.79 | 3 | Horizontal | 145 | 1.10 | - | 27.40 | 3.55 | - |
| AV | 2.3866G | 42.96 | 54.00 | -11.04 | 11.82 | 3 | Horizontal | 145 | 1.10 | - | 27.55 | 3.59 | - |
| PK | 2.4458G | 95.69 | Inf | -Inf | 64.56 | 3 | Horizontal | 145 | 1.10 | - | 27.51 | 3.62 | - |
| AV | 2.4462G | 83.20 | Inf | -Inf | 52.07 | 3 | Horizontal | 145 | 1.10 | - | 27.51 | 3.62 | - |
| PK | 2.4858G | 55.49 | 74.00 | -18.51 | 24.14 | 3 | Horizontal | 145 | 1.10 | - | 27.71 | 3.64 | - |
| AV | 2.4866G | 43.23 | 54.00 | -10.77 | 11.87 | 3 | Horizontal | 145 | 1.10 | - | 27.72 | 3.64 | - |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2437MHz_TX

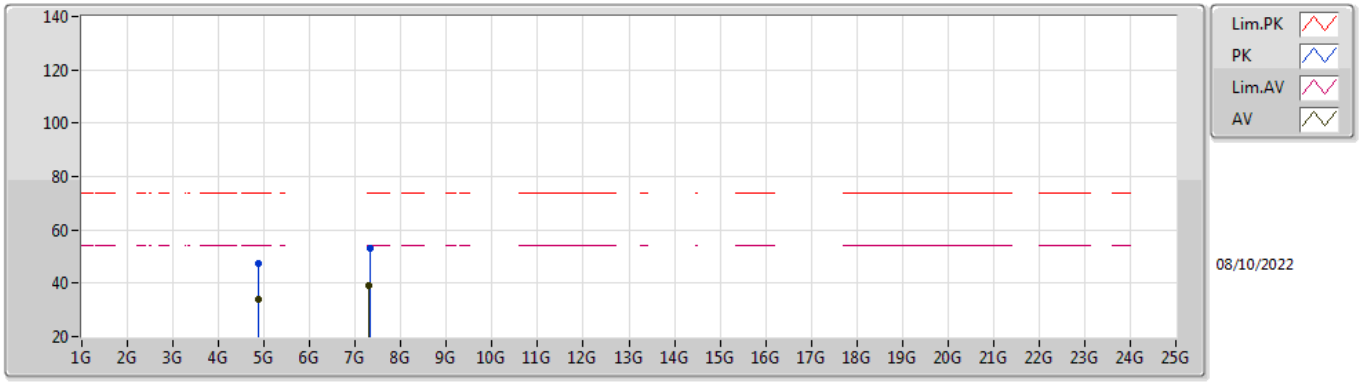



EUT Y_4TX
Setting 15
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.87286G | 47.56 | 74.00 | -26.44 | 42.12 | 3 | Vertical | 313 | 2.24 | - | 32.55 | 5.77 | 32.88 |
| AV | 4.86962G | 33.91 | 54.00 | -20.09 | 28.48 | 3 | Vertical | 313 | 2.24 | - | 32.54 | 5.77 | 32.88 |
| PK | 7.30852G | 52.20 | 74.00 | -21.80 | 40.95 | 3 | Vertical | 38 | 1.53 | - | 37.28 | 7.15 | 33.18 |
| AV | 7.30798G | 38.90 | 54.00 | -15.10 | 27.65 | 3 | Vertical | 38 | 1.53 | - | 37.28 | 7.15 | 33.18 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2437MHz_TX

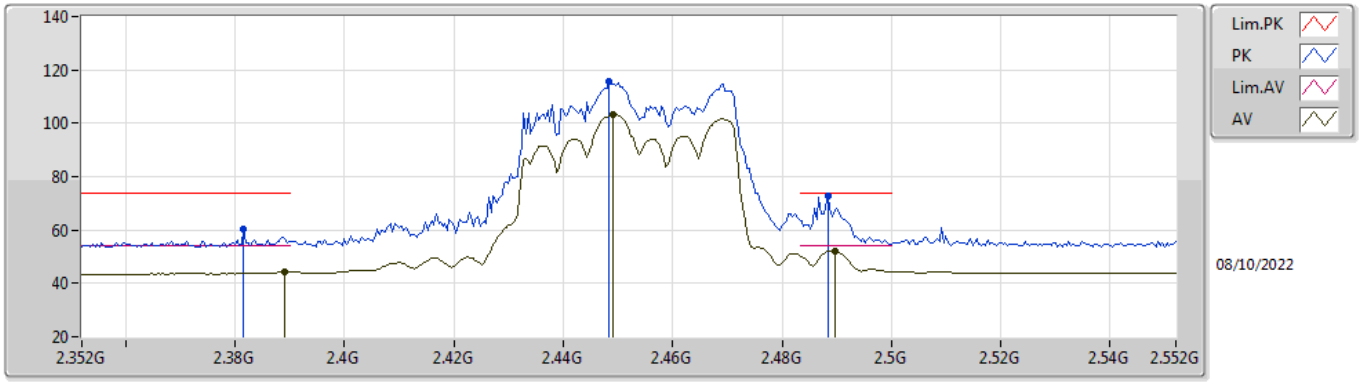



EUT Y_4TX
Setting 15
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.8742G | 47.61 | 74.00 | -26.39 | 42.17 | 3 | Horizontal | 97 | 1.33 | - | 32.55 | 5.77 | 32.88 |
| AV | 4.87866G | 33.84 | 54.00 | -20.16 | 28.37 | 3 | Horizontal | 97 | 1.33 | - | 32.56 | 5.78 | 32.87 |
| PK | 7.3153G | 53.14 | 74.00 | -20.86 | 41.89 | 3 | Horizontal | 68 | 2.00 | - | 37.27 | 7.16 | 33.18 |
| AV | 7.30632G | 38.98 | 54.00 | -15.02 | 27.72 | 3 | Horizontal | 68 | 2.00 | - | 37.29 | 7.15 | 33.18 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2452MHz_TX

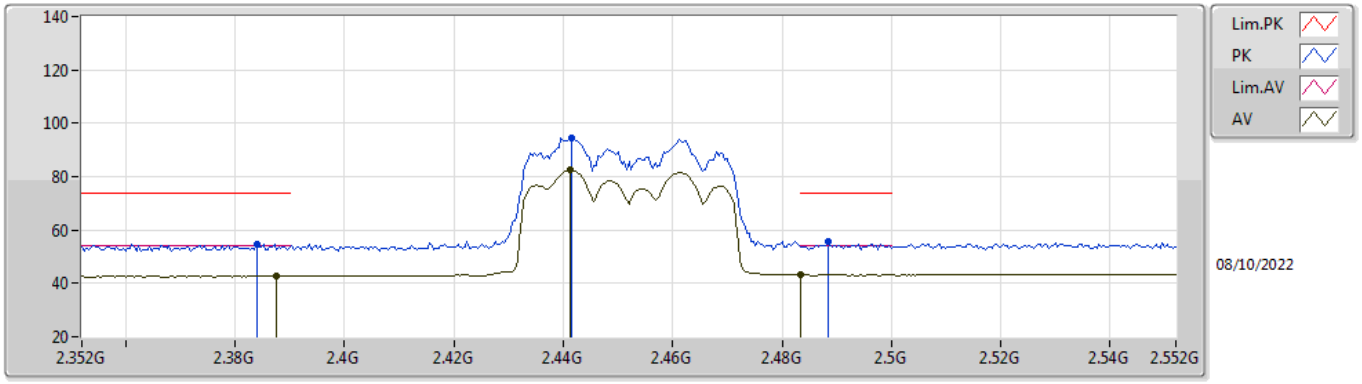



EUT Y_4TX
Setting 13
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3816G | 60.57 | 74.00 | -13.43 | 29.46 | 3 | Vertical | 214 | 1.73 | - | 27.53 | 3.58 | - |
| AV | 2.3892G | 44.42 | 54.00 | -9.58 | 13.27 | 3 | Vertical | 214 | 1.73 | - | 27.56 | 3.59 | - |
| PK | 2.4484G | 115.61 | Inf | -Inf | 84.49 | 3 | Vertical | 214 | 1.73 | - | 27.50 | 3.62 | - |
| AV | 2.4492G | 103.36 | Inf | -Inf | 72.24 | 3 | Vertical | 214 | 1.73 | - | 27.50 | 3.62 | - |
| PK | 2.4884G | 72.56 | 74.00 | -1.44 | 41.19 | 3 | Vertical | 214 | 1.73 | - | 27.73 | 3.64 | - |
| AV | 2.4896G | 52.18 | 54.00 | -1.82 | 20.80 | 3 | Vertical | 214 | 1.73 | - | 27.74 | 3.64 | - |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2452MHz_TX

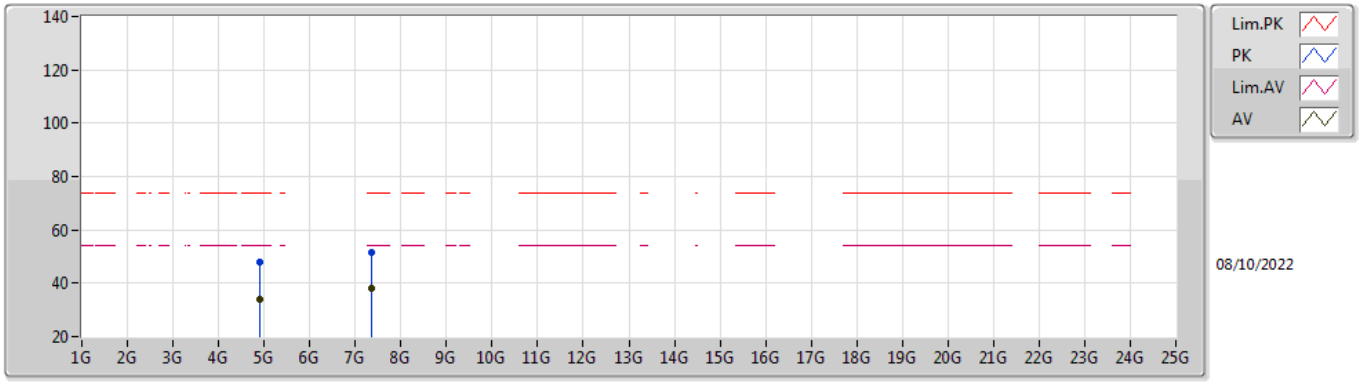



EUT Y_4TX
Setting 13
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.384G | 54.78 | 74.00 | -19.22 | 23.66 | 3 | Horizontal | 142 | 1.09 | - | 27.54 | 3.58 | - |
| AV | 2.3876G | 42.67 | 54.00 | -11.33 | 11.53 | 3 | Horizontal | 142 | 1.09 | - | 27.55 | 3.59 | - |
| PK | 2.4416G | 94.59 | Inf | -Inf | 63.45 | 3 | Horizontal | 142 | 1.09 | - | 27.52 | 3.62 | - |
| AV | 2.4412G | 82.40 | Inf | -Inf | 51.26 | 3 | Horizontal | 142 | 1.09 | - | 27.52 | 3.62 | - |
| PK | 2.4884G | 55.88 | 74.00 | -18.12 | 24.51 | 3 | Horizontal | 142 | 1.09 | - | 27.73 | 3.64 | - |
| AV | 2.4835G | 43.24 | 54.00 | -10.76 | 11.90 | 3 | Horizontal | 142 | 1.09 | - | 27.70 | 3.64 | - |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2452MHz_TX

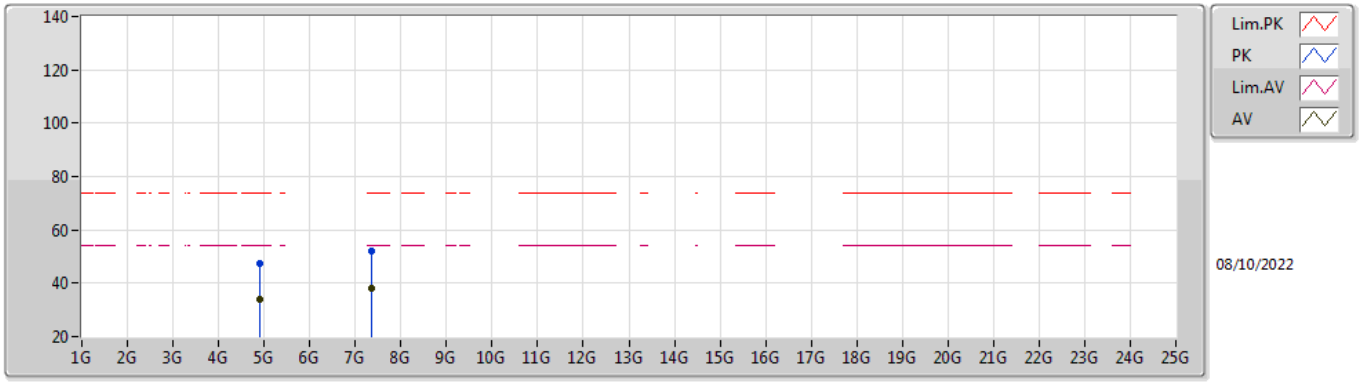



EUT Y_4TX
Setting 13
01-A-G-4

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.90276G | 47.80 | 74.00 | -26.20 | 42.26 | 3 | Vertical | 77 | 1.56 | - | 32.61 | 5.80 | 32.87 |
| AV | 4.90004G | 33.71 | 54.00 | -20.29 | 28.18 | 3 | Vertical | 77 | 1.56 | - | 32.60 | 5.80 | 32.87 |
| PK | 7.35408G | 51.55 | 74.00 | -22.45 | 40.37 | 3 | Vertical | 348 | 1.42 | - | 37.20 | 7.18 | 33.20 |
| AV | 7.35948G | 38.12 | 54.00 | -15.88 | 26.95 | 3 | Vertical | 348 | 1.42 | - | 37.20 | 7.18 | 33.21 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2452MHz_TX




EUT Y_4TX
Setting 13
01-A-G-4

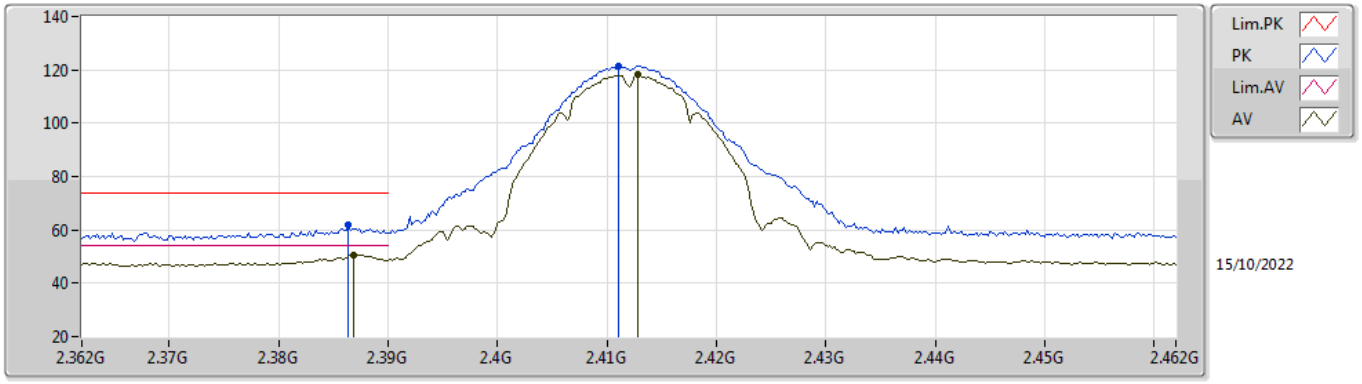
| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.90416G | 47.60 | 74.00 | -26.40 | 42.06 | 3 | Horizontal | 226 | 2.54 | - | 32.61 | 5.80 | 32.87 |
| AV | 4.90004G | 33.71 | 54.00 | -20.29 | 28.18 | 3 | Horizontal | 226 | 2.54 | - | 32.60 | 5.80 | 32.87 |
| PK | 7.3546G | 51.85 | 74.00 | -22.15 | 40.67 | 3 | Horizontal | 323 | 1.93 | - | 37.20 | 7.18 | 33.20 |
| AV | 7.35946G | 38.05 | 54.00 | -15.95 | 26.88 | 3 | Horizontal | 323 | 1.93 | - | 37.20 | 7.18 | 33.21 |

Summary

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.4-2.4835GHz | - | - | - | - | - | - | - | - | - | - | - |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | Pass | AV | 2.3898G | 53.91 | 54.00 | -0.09 | 3 | Horizontal | 167 | 2.08 | - |

## 802.11b_Nss1,(1Mbps)_4TX

## 2412MHz_TX

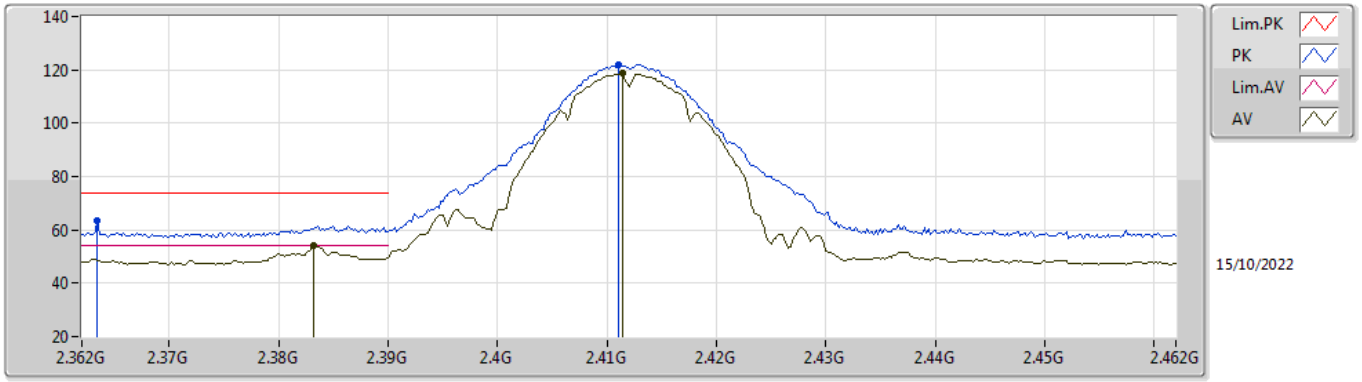



EUT Y_4TX
Setting 18
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3864G | 62.13 | 74.00 | -11.87 | 30.57 | 3 | Vertical | 178 | 1.78 | - | 28.37 | 3.19 | - |
| AV | 2.3868G | 50.56 | 54.00 | -3.44 | 19.00 | 3 | Vertical | 178 | 1.78 | - | 28.37 | 3.19 | - |
| PK | 2.411G | 121.56 | Inf | -Inf | 89.95 | 3 | Vertical | 178 | 1.78 | - | 28.40 | 3.21 | - |
| AV | 2.4128G | 118.24 | Inf | -Inf | 86.63 | 3 | Vertical | 178 | 1.78 | - | 28.40 | 3.21 | - |

## 802.11b_Nss1,(1Mbps)_4TX

## 2412MHz_TX

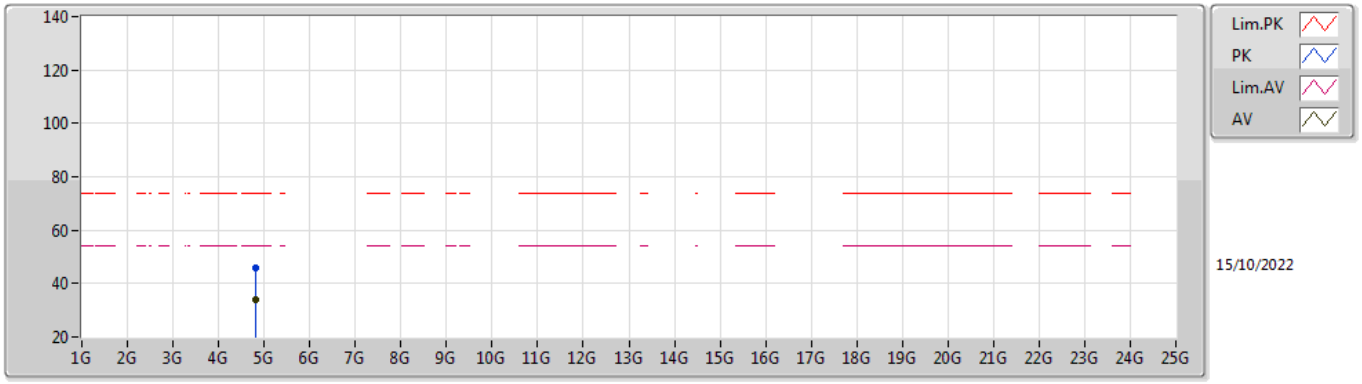



EUT Y_4TX
Setting 18
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3634G | 63.43 | 74.00 | -10.57 | 31.92 | 3 | Horizontal | 174 | 1.80 | - | 28.33 | 3.18 | - |
| AV | 2.3832G | 53.89 | 54.00 | -0.11 | 22.33 | 3 | Horizontal | 174 | 1.80 | - | 28.37 | 3.19 | - |
| PK | 2.411G | 122.13 | Inf | -Inf | 90.52 | 3 | Horizontal | 174 | 1.80 | - | 28.40 | 3.21 | - |
| AV | 2.4114G | 118.66 | Inf | -Inf | 87.05 | 3 | Horizontal | 174 | 1.80 | - | 28.40 | 3.21 | - |

## 802.11b_Nss1,(1Mbps)_4TX

## 2412MHz_TX

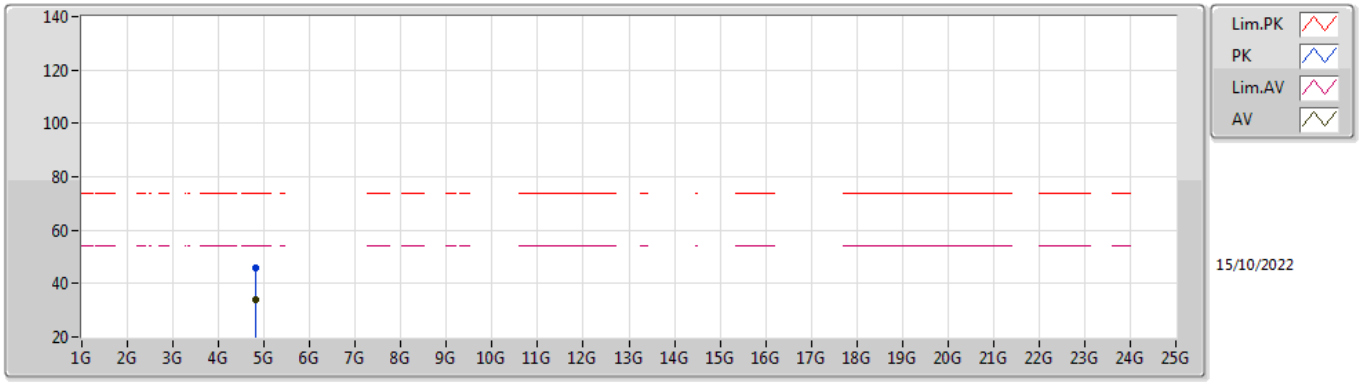



EUT Y_4TX
Setting 18
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.81966G | 46.01 | 74.00 | -27.99 | 38.29 | 3 | Vertical | 144 | 2.56 | - | 32.92 | 5.61 | 30.81 |
| AV | 4.8225G | 33.73 | 54.00 | -20.27 | 25.98 | 3 | Vertical | 144 | 2.56 | - | 32.94 | 5.61 | 30.80 |

## 802.11b_Nss1,(1Mbps)_4TX

## 2412MHz_TX

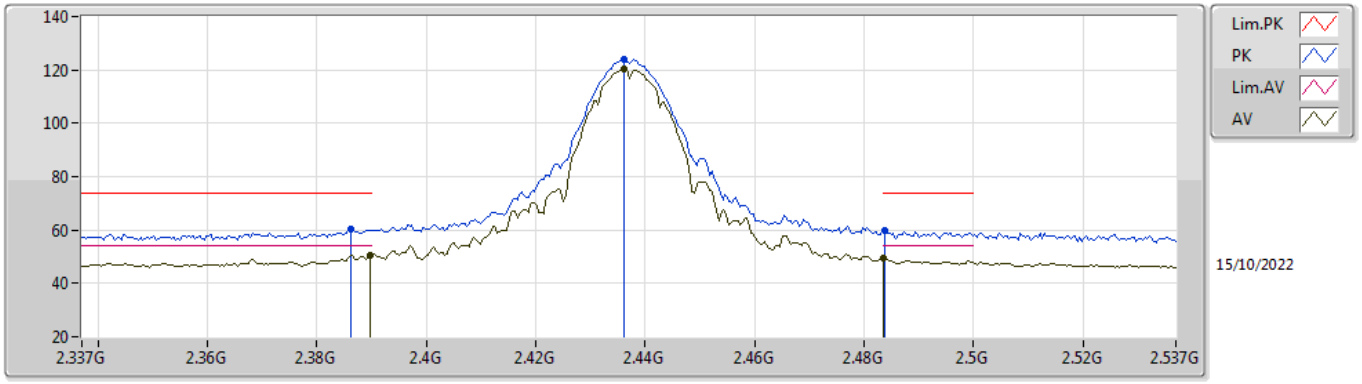



EUT Y_4TX
Setting 18
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.82142G | 45.88 | 74.00 | -28.12 | 38.15 | 3 | Horizontal | 119 | 2.30 | - | 32.93 | 5.61 | 30.81 |
| AV | 4.82222G | 33.83 | 54.00 | -20.17 | 26.09 | 3 | Horizontal | 119 | 2.30 | - | 32.93 | 5.61 | 30.80 |

## 802.11b_Nss1,(1Mbps)_4TX

## 2437MHz_TX

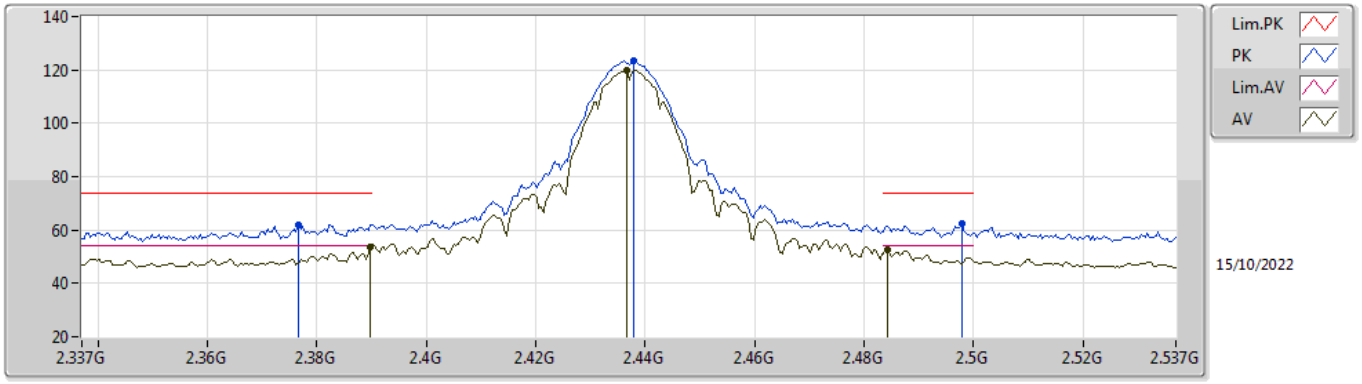



EUT Y_4TX
Setting 20
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3862G | 60.42 | 74.00 | -13.58 | 28.86 | 3 | Vertical | 177 | 1.67 | - | 28.37 | 3.19 | - |
| AV | 2.3898G | 50.57 | 54.00 | -3.43 | 19.00 | 3 | Vertical | 177 | 1.67 | - | 28.38 | 3.19 | - |
| PK | 2.4362G | 124.04 | Inf | -Inf | 92.42 | 3 | Vertical | 177 | 1.67 | - | 28.40 | 3.22 | - |
| AV | 2.4362G | 120.39 | Inf | -Inf | 88.77 | 3 | Vertical | 177 | 1.67 | - | 28.40 | 3.22 | - |
| PK | 2.4838G | 59.92 | 74.00 | -14.08 | 28.14 | 3 | Vertical | 177 | 1.67 | - | 28.54 | 3.24 | - |
| AV | 2.4835G | 49.45 | 54.00 | -4.55 | 17.68 | 3 | Vertical | 177 | 1.67 | - | 28.53 | 3.24 | - |

## 802.11b_Nss1,(1Mbps)_4TX

## 2437MHz_TX

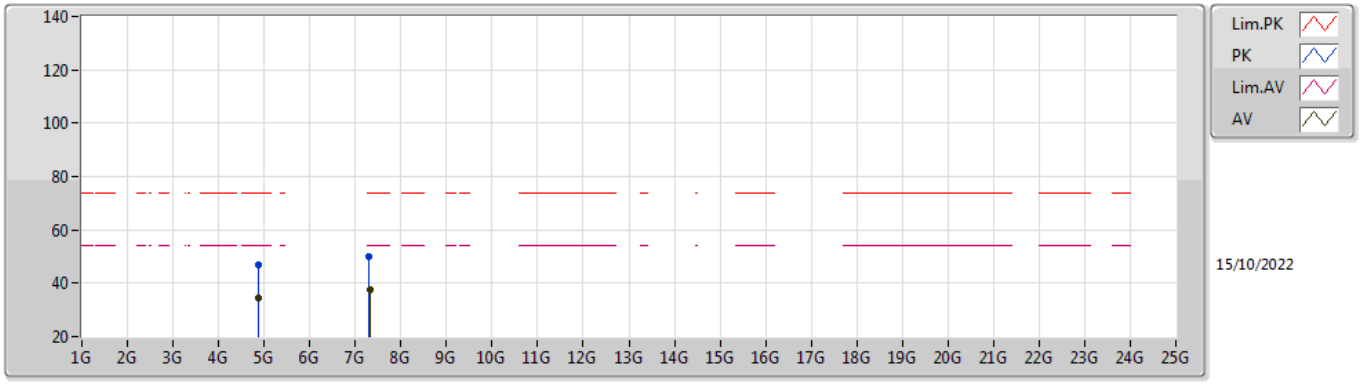



EUT Y_4TX
Setting 20
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3766G | 62.12 | 74.00 | -11.88 | 30.58 | 3 | Horizontal | 177 | 1.89 | - | 28.35 | 3.19 | - |
| AV | 2.3898G | 53.81 | 54.00 | -0.19 | 22.24 | 3 | Horizontal | 177 | 1.89 | - | 28.38 | 3.19 | - |
| PK | 2.4378G | 123.42 | Inf | -Inf | 91.80 | 3 | Horizontal | 177 | 1.89 | - | 28.40 | 3.22 | - |
| AV | 2.4366G | 119.89 | Inf | -Inf | 88.27 | 3 | Horizontal | 177 | 1.89 | - | 28.40 | 3.22 | - |
| PK | 2.4978G | 62.35 | 74.00 | -11.65 | 30.51 | 3 | Horizontal | 177 | 1.89 | - | 28.59 | 3.25 | - |
| AV | 2.4842G | 52.45 | 54.00 | -1.55 | 20.67 | 3 | Horizontal | 177 | 1.89 | - | 28.54 | 3.24 | - |

## 802.11b_Nss1,(1Mbps)_4TX

## 2437MHz_TX

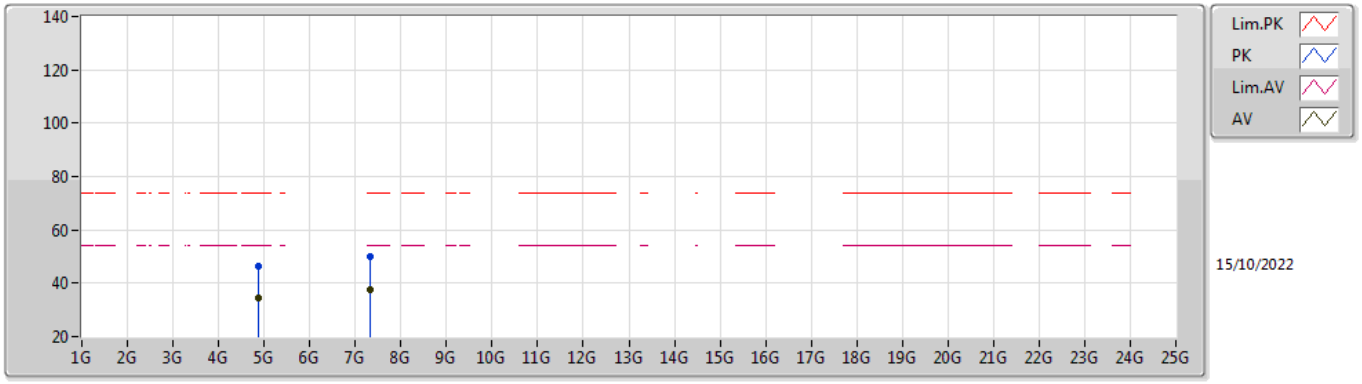



EUT Y_4TX
Setting 20
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.87286G | 46.82 | 74.00 | -27.18 | 38.81 | 3 | Vertical | 231 | 2.07 | - | 33.15 | 5.64 | 30.78 |
| AV | 4.87424G | 34.67 | 54.00 | -19.33 | 26.66 | 3 | Vertical | 231 | 2.07 | - | 33.15 | 5.64 | 30.78 |
| PK | 7.30884G | 50.11 | 74.00 | -23.89 | 38.76 | 3 | Vertical | 352 | 1.37 | - | 36.42 | 6.85 | 31.92 |
| AV | 7.3151G | 37.51 | 54.00 | -16.49 | 26.16 | 3 | Vertical | 352 | 1.37 | - | 36.43 | 6.84 | 31.92 |

## 802.11b_Nss1,(1Mbps)_4TX

## 2437MHz_TX

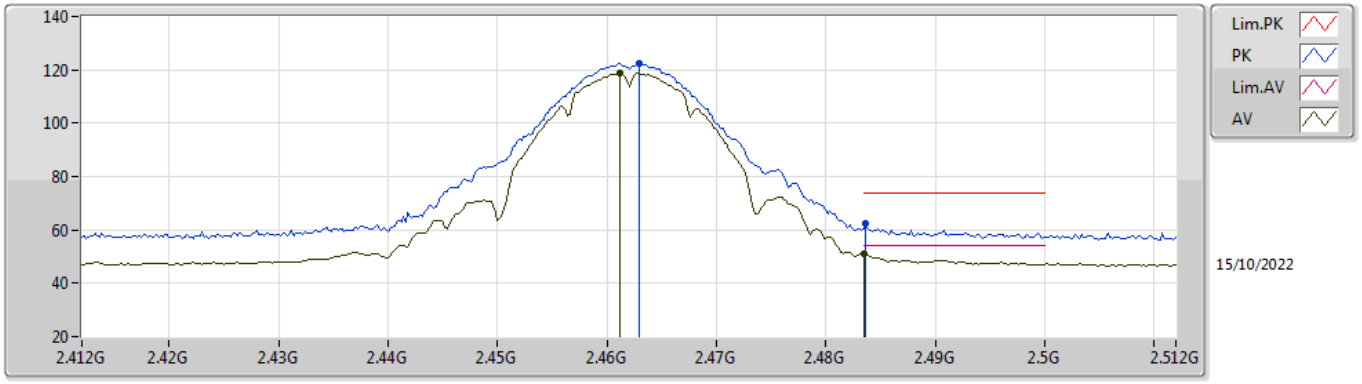



EUT Y_4TX
Setting 20
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.87254G | 46.55 | 74.00 | -27.45 | 38.54 | 3 | Horizontal | 145 | 2.41 | - | 33.15 | 5.64 | 30.78 |
| AV | 4.87324G | 34.39 | 54.00 | -19.61 | 26.38 | 3 | Horizontal | 145 | 2.41 | - | 33.15 | 5.64 | 30.78 |
| PK | 7.31022G | 49.78 | 74.00 | -24.22 | 38.44 | 3 | Horizontal | 51 | 1.84 | - | 36.42 | 6.84 | 31.92 |
| AV | 7.31514G | 37.61 | 54.00 | -16.39 | 26.26 | 3 | Horizontal | 51 | 1.84 | - | 36.43 | 6.84 | 31.92 |

## 802.11b_Nss1,(1Mbps)_4TX

## 2462MHz_TX

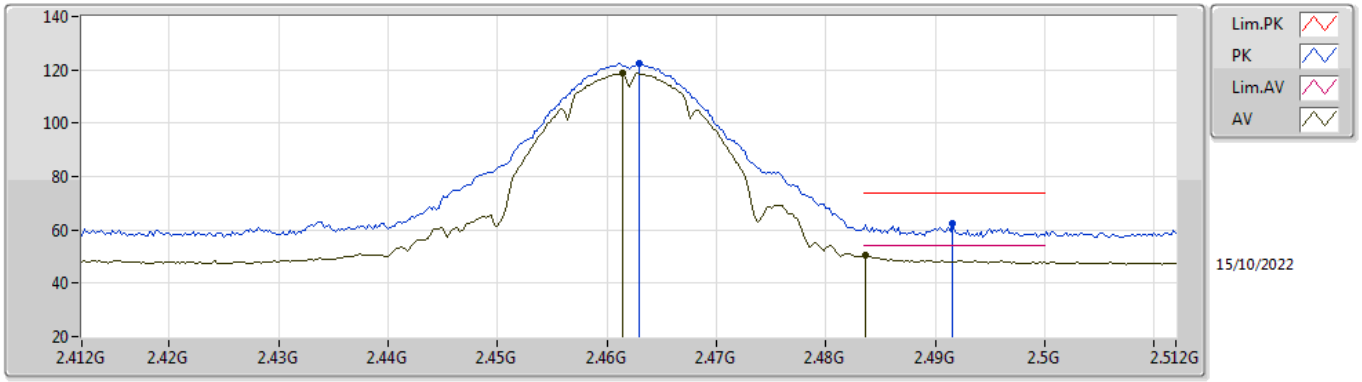



EUT Y_4TX
Setting 18.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.463G | 122.43 | Inf | -Inf | 90.75 | 3 | Vertical | 179 | 1.61 | - | 28.45 | 3.23 | - |
| AV | 2.4612G | 118.78 | Inf | -Inf | 87.11 | 3 | Vertical | 179 | 1.61 | - | 28.44 | 3.23 | - |
| PK | 2.4836G | 62.19 | 74.00 | -11.81 | 30.42 | 3 | Vertical | 179 | 1.61 | - | 28.53 | 3.24 | - |
| AV | 2.4835G | 51.11 | 54.00 | -2.89 | 19.34 | 3 | Vertical | 179 | 1.61 | - | 28.53 | 3.24 | - |

## 802.11b_Nss1,(1Mbps)_4TX

## 2462MHz_TX

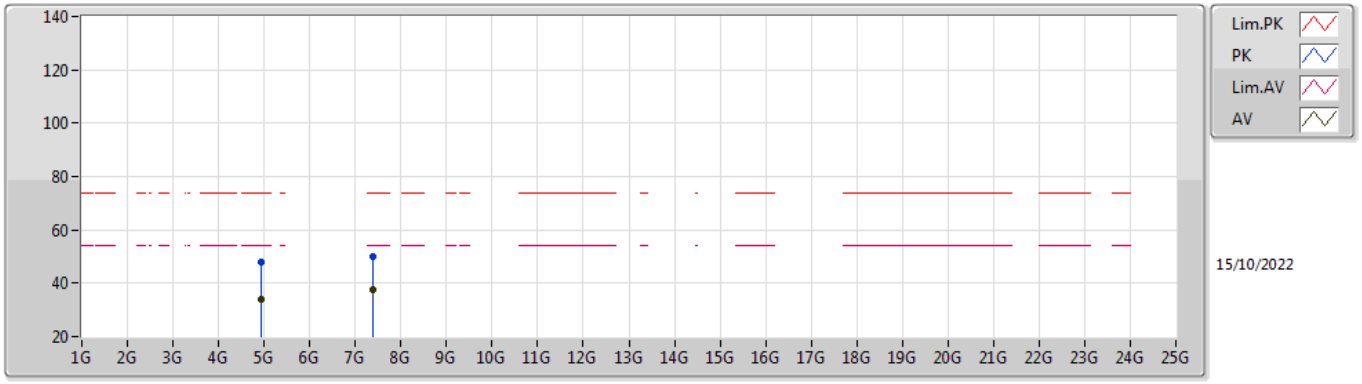



EUT Y_4TX
Setting 18.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.463G | 122.38 | Inf | -Inf | 90.70 | 3 | Horizontal | 177 | 1.94 | - | 28.45 | 3.23 | - |
| AV | 2.4614G | 118.75 | Inf | -Inf | 87.07 | 3 | Horizontal | 177 | 1.94 | - | 28.45 | 3.23 | - |
| PK | 2.4916G | 62.51 | 74.00 | -11.49 | 30.69 | 3 | Horizontal | 177 | 1.94 | - | 28.57 | 3.25 | - |
| AV | 2.4836G | 50.65 | 54.00 | -3.35 | 18.88 | 3 | Horizontal | 177 | 1.94 | - | 28.53 | 3.24 | - |

## 802.11b_Nss1,(1Mbps)_4TX

## 2462MHz_TX

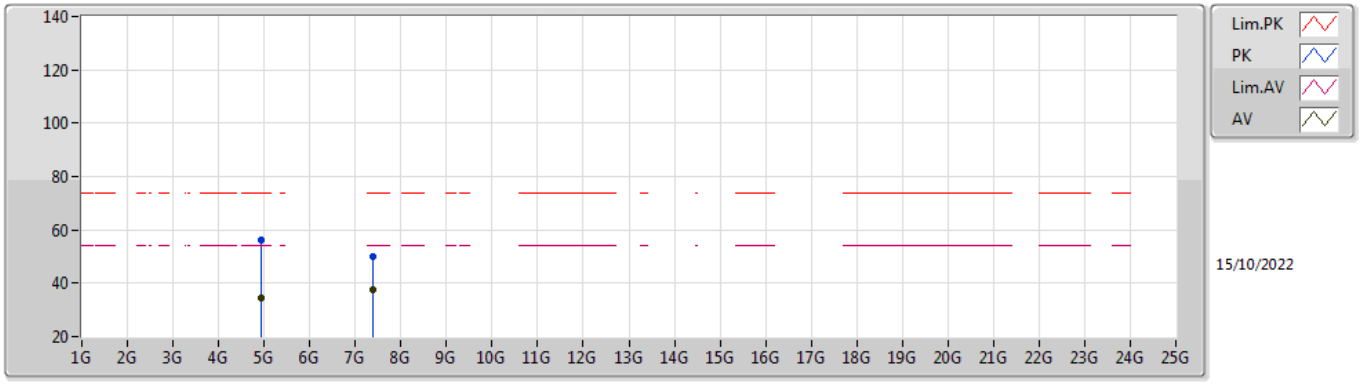



EUT Y_4TX
Setting 18.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.92282G | 47.70 | 74.00 | -26.30 | 39.55 | 3 | Vertical | 50 | 2.62 | - | 33.25 | 5.66 | 30.76 |
| AV | 4.9271G | 34.20 | 54.00 | -19.80 | 26.05 | 3 | Vertical | 50 | 2.62 | - | 33.25 | 5.66 | 30.76 |
| PK | 7.3893G | 50.12 | 74.00 | -23.88 | 38.78 | 3 | Vertical | 26 | 1.44 | - | 36.50 | 6.81 | 31.97 |
| AV | 7.38204G | 37.72 | 54.00 | -16.28 | 26.37 | 3 | Vertical | 26 | 1.44 | - | 36.50 | 6.81 | 31.96 |

## 802.11b_Nss1,(1Mbps)_4TX

## 2462MHz_TX

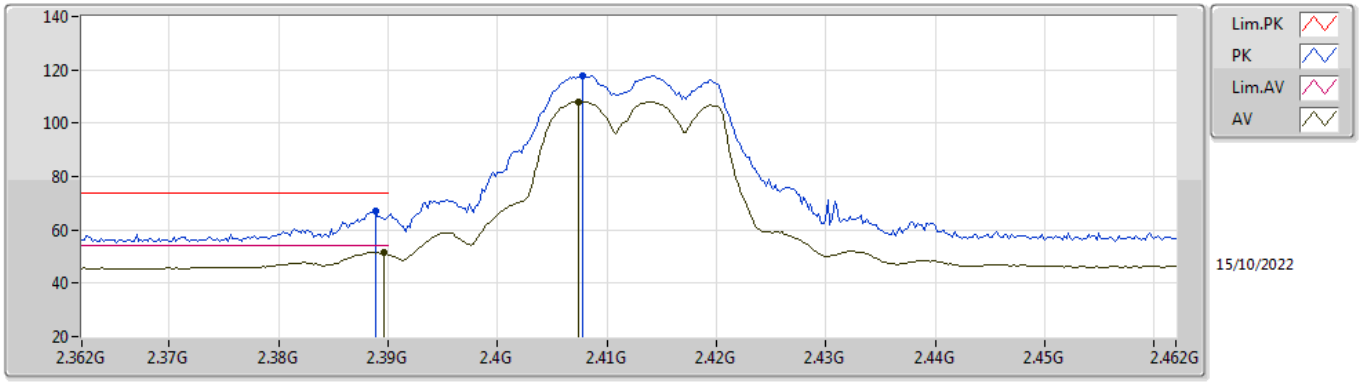



EUT Y_4TX
Setting 18.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.92778G | 56.29 | 74.00 | -17.71 | 48.13 | 3 | Horizontal | 32 | 2.12 | - | 33.26 | 5.66 | 30.76 |
| AV | 4.92676G | 34.24 | 54.00 | -19.76 | 26.09 | 3 | Horizontal | 32 | 2.12 | - | 33.25 | 5.66 | 30.76 |
| PK | 7.39026G | 50.00 | 74.00 | -24.00 | 38.67 | 3 | Horizontal | 212 | 2.17 | - | 36.50 | 6.80 | 31.97 |
| AV | 7.38304G | 37.75 | 54.00 | -16.25 | 26.40 | 3 | Horizontal | 212 | 2.17 | - | 36.50 | 6.81 | 31.96 |

## 802.11g_Nss1,(6Mbps)_4TX

## 2412MHz_TX

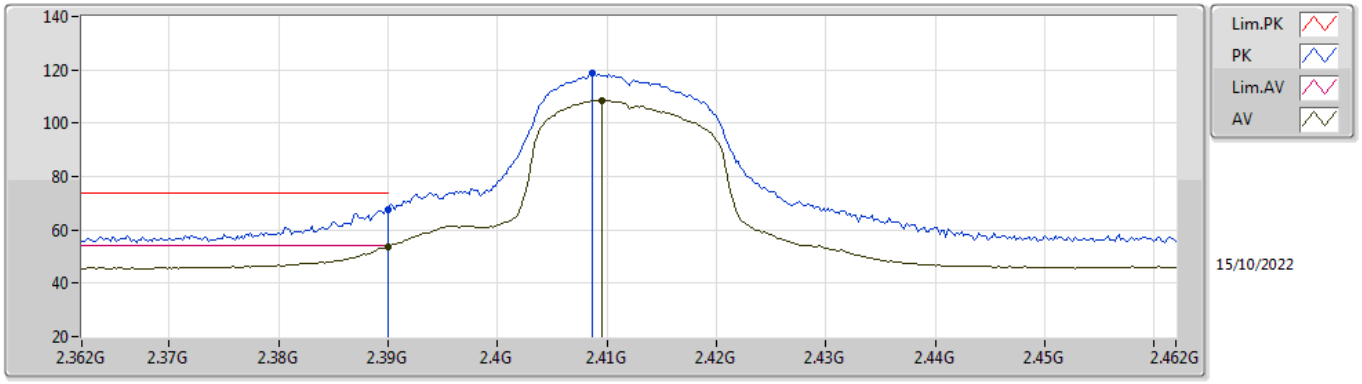



EUT Y_4TX
Setting 13.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3888G | 66.88 | 74.00 | -7.12 | 35.31 | 3 | Vertical | 0 | 2.05 | - | 28.38 | 3.19 | - |
| AV | 2.3896G | 51.40 | 54.00 | -2.60 | 19.83 | 3 | Vertical | 0 | 2.05 | - | 28.38 | 3.19 | - |
| PK | 2.4078G | 117.66 | Inf | -Inf | 86.06 | 3 | Vertical | 0 | 2.05 | - | 28.40 | 3.20 | - |
| AV | 2.4074G | 108.18 | Inf | -Inf | 76.58 | 3 | Vertical | 0 | 2.05 | - | 28.40 | 3.20 | - |

## 802.11g_Nss1,(6Mbps)_4TX

## 2412MHz_TX

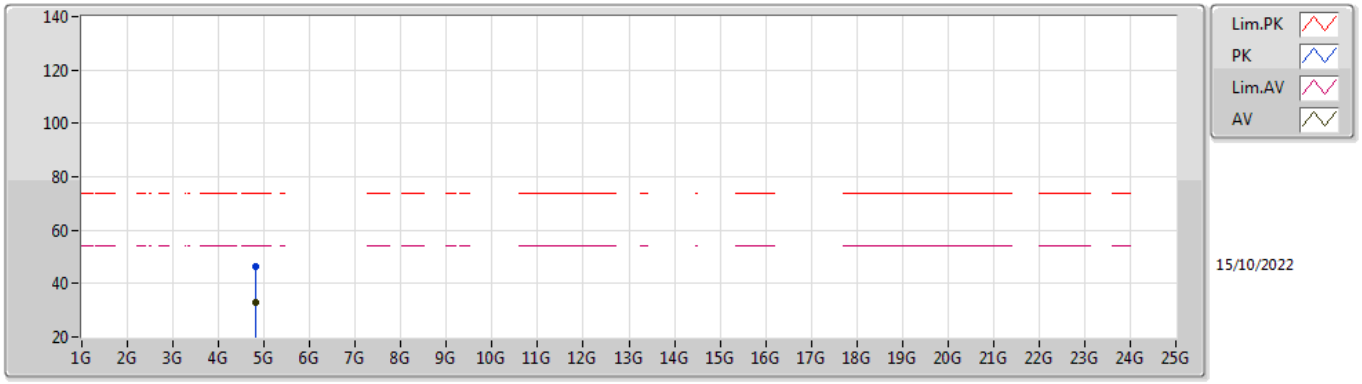



EUT Y_4TX
Setting 13.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.39G | 67.82 | 74.00 | -6.18 | 36.24 | 3 | Horizontal | 359 | 1.80 | - | 28.38 | 3.20 | - |
| AV | 2.39G | 53.85 | 54.00 | -0.15 | 22.27 | 3 | Horizontal | 359 | 1.80 | - | 28.38 | 3.20 | - |
| PK | 2.4086G | 118.64 | Inf | -Inf | 87.04 | 3 | Horizontal | 359 | 1.80 | - | 28.40 | 3.20 | - |
| AV | 2.4096G | 108.54 | Inf | -Inf | 76.94 | 3 | Horizontal | 359 | 1.80 | - | 28.40 | 3.20 | - |

## 802.11g_Nss1,(6Mbps)_4TX

## 2412MHz_TX

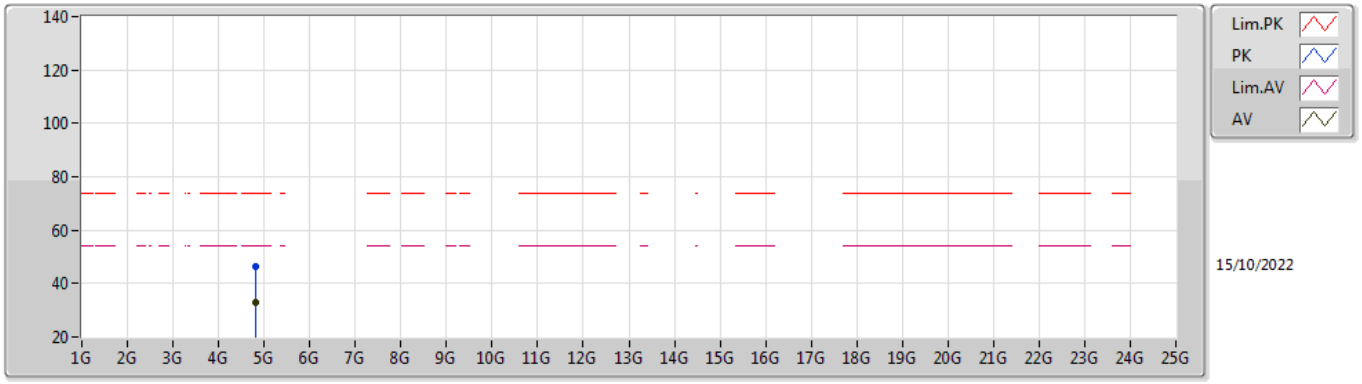



EUT Y_4TX
Setting 13.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.82254G | 46.55 | 74.00 | -27.45 | 38.80 | 3 | Vertical | 338 | 1.24 | - | 32.94 | 5.61 | 30.80 |
| AV | 4.82458G | 32.92 | 54.00 | -21.08 | 25.16 | 3 | Vertical | 338 | 1.24 | - | 32.95 | 5.61 | 30.80 |

## 802.11g_Nss1,(6Mbps)_4TX

## 2412MHz_TX

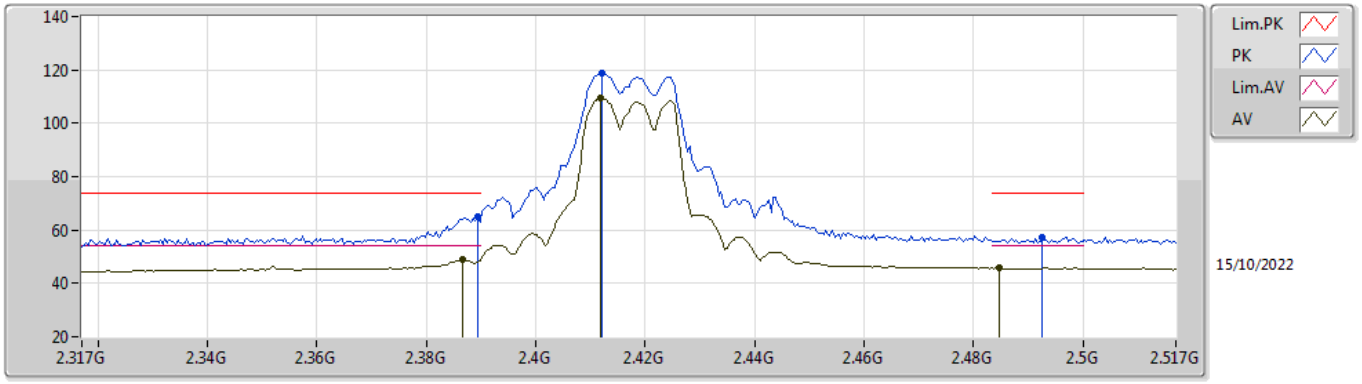



EUT Y_4TX
Setting 13.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.81998G | 46.18 | 74.00 | -27.82 | 38.46 | 3 | Horizontal | 46 | 2.53 | - | 32.92 | 5.61 | 30.81 |
| AV | 4.8237G | 33.05 | 54.00 | -20.95 | 25.30 | 3 | Horizontal | 46 | 2.53 | - | 32.94 | 5.61 | 30.80 |

## 802.11g_Nss1,(6Mbps)_4TX

## 2417MHz_TX

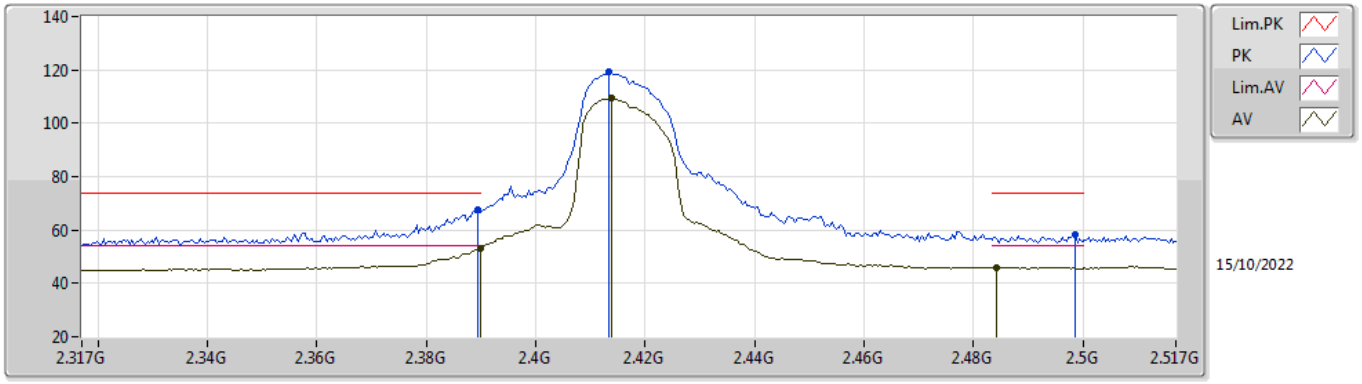



EUT Y_4TX
Setting 14.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3894G | 65.20 | 74.00 | -8.80 | 33.63 | 3 | Vertical | 178 | 1.95 | - | 28.38 | 3.19 | - |
| AV | 2.3866G | 48.74 | 54.00 | -5.26 | 17.18 | 3 | Vertical | 178 | 1.95 | - | 28.37 | 3.19 | - |
| PK | 2.4122G | 118.82 | Inf | -Inf | 87.21 | 3 | Vertical | 178 | 1.95 | - | 28.40 | 3.21 | - |
| AV | 2.4118G | 109.54 | Inf | -Inf | 77.93 | 3 | Vertical | 178 | 1.95 | - | 28.40 | 3.21 | - |
| PK | 2.4926G | 57.27 | 74.00 | -16.73 | 25.45 | 3 | Vertical | 178 | 1.95 | - | 28.57 | 3.25 | - |
| AV | 2.4846G | 45.93 | 54.00 | -8.07 | 14.15 | 3 | Vertical | 178 | 1.95 | - | 28.54 | 3.24 | - |

## 802.11g_Nss1,(6Mbps)_4TX

## 2417MHz_TX

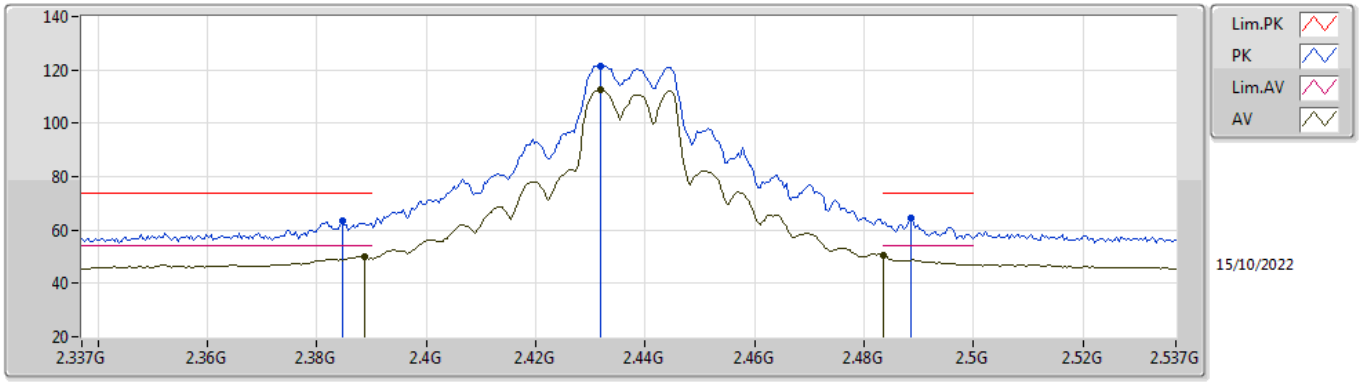



EUT Y_4TX
Setting 14.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3894G | 67.53 | 74.00 | -6.47 | 35.96 | 3 | Horizontal | 177 | 1.74 | - | 28.38 | 3.19 | - |
| AV | 2.3898G | 53.17 | 54.00 | -0.83 | 21.60 | 3 | Horizontal | 177 | 1.74 | - | 28.38 | 3.19 | - |
| PK | 2.4134G | 119.50 | Inf | -Inf | 87.89 | 3 | Horizontal | 177 | 1.74 | - | 28.40 | 3.21 | - |
| AV | 2.4138G | 109.40 | Inf | -Inf | 77.79 | 3 | Horizontal | 177 | 1.74 | - | 28.40 | 3.21 | - |
| PK | 2.4986G | 58.25 | 74.00 | -15.75 | 26.41 | 3 | Horizontal | 177 | 1.74 | - | 28.59 | 3.25 | - |
| AV | 2.4842G | 46.06 | 54.00 | -7.94 | 14.28 | 3 | Horizontal | 177 | 1.74 | - | 28.54 | 3.24 | - |

## 802.11g_Nss1,(6Mbps)_4TX

## 2437MHz_TX

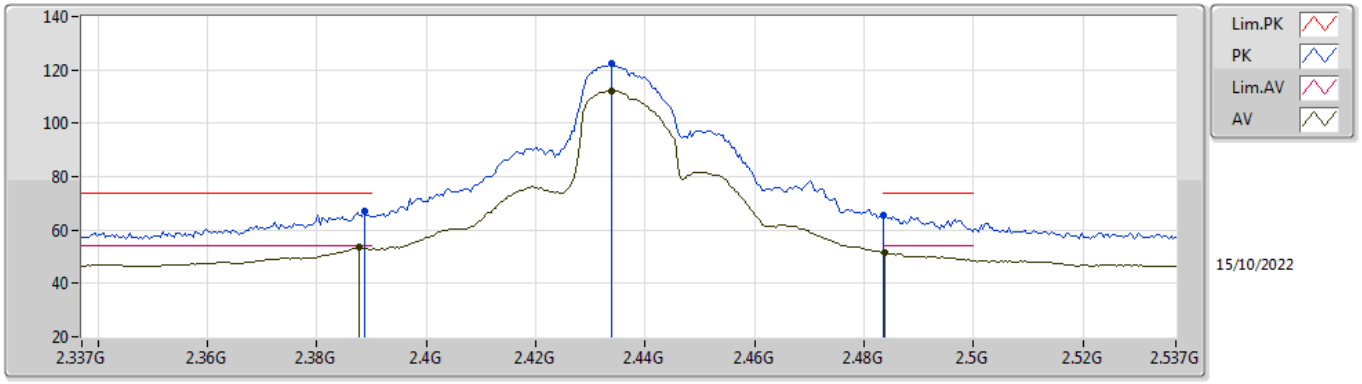



EUT Y_4TX
Setting 17.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3846G | 63.61 | 74.00 | -10.39 | 32.05 | 3 | Vertical | 179 | 1.99 | - | 28.37 | 3.19 | - |
| AV | 2.3886G | 50.04 | 54.00 | -3.96 | 18.47 | 3 | Vertical | 179 | 1.99 | - | 28.38 | 3.19 | - |
| PK | 2.4318G | 121.63 | Inf | -Inf | 90.01 | 3 | Vertical | 179 | 1.99 | - | 28.40 | 3.22 | - |
| AV | 2.4318G | 112.63 | Inf | -Inf | 81.01 | 3 | Vertical | 179 | 1.99 | - | 28.40 | 3.22 | - |
| PK | 2.4886G | 64.59 | 74.00 | -9.41 | 32.80 | 3 | Vertical | 179 | 1.99 | - | 28.55 | 3.24 | - |
| AV | 2.4835G | 50.29 | 54.00 | -3.71 | 18.52 | 3 | Vertical | 179 | 1.99 | - | 28.53 | 3.24 | - |

## 802.11g_Nss1,(6Mbps)_4TX

## 2437MHz_TX

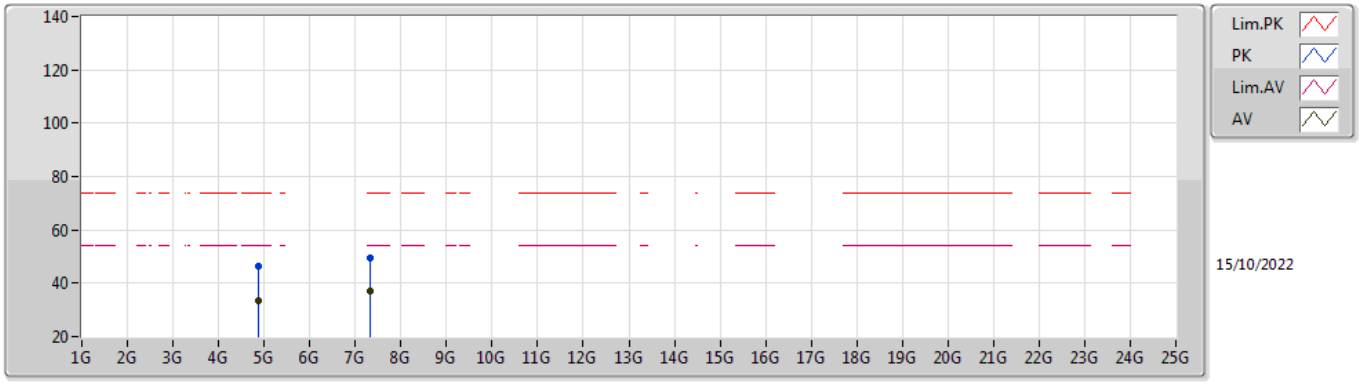



EUT Y_4TX
Setting 17.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3886G | 66.93 | 74.00 | -7.07 | 35.36 | 3 | Horizontal | 178 | 1.73 | - | 28.38 | 3.19 | - |
| AV | 2.3878G | 53.60 | 54.00 | -0.40 | 22.03 | 3 | Horizontal | 178 | 1.73 | - | 28.38 | 3.19 | - |
| PK | 2.4338G | 122.28 | Inf | -Inf | 90.66 | 3 | Horizontal | 178 | 1.73 | - | 28.40 | 3.22 | - |
| AV | 2.4338G | 112.23 | Inf | -Inf | 80.61 | 3 | Horizontal | 178 | 1.73 | - | 28.40 | 3.22 | - |
| PK | 2.4835G | 65.49 | 74.00 | -8.51 | 33.72 | 3 | Horizontal | 178 | 1.73 | - | 28.53 | 3.24 | - |
| AV | 2.4838G | 51.45 | 54.00 | -2.55 | 19.67 | 3 | Horizontal | 178 | 1.73 | - | 28.54 | 3.24 | - |

## 802.11g_Nss1,(6Mbps)_4TX

## 2437MHz_TX

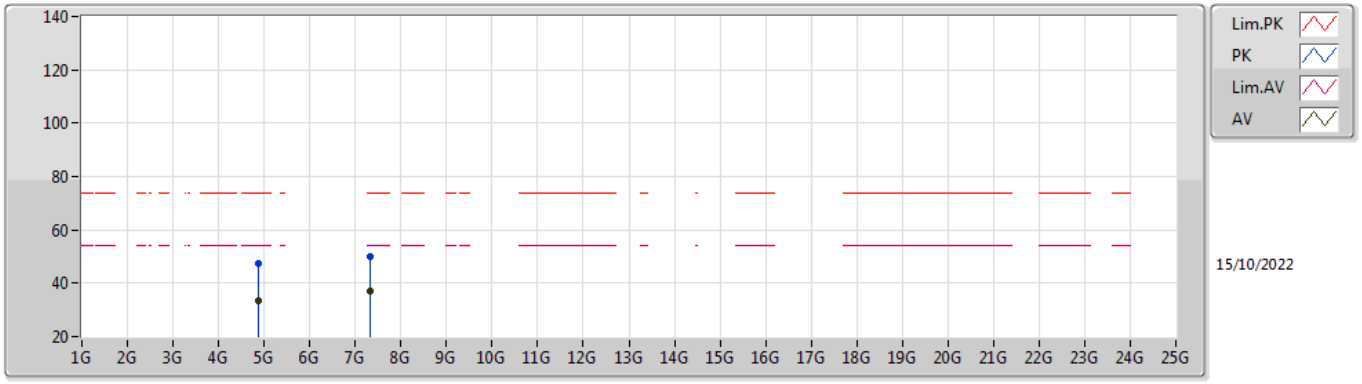



EUT Y_4TX
Setting 17.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.87262G | 46.44 | 74.00 | -27.56 | 38.43 | 3 | Vertical | 144 | 2.98 | - | 33.15 | 5.64 | 30.78 |
| AV | 4.87372G | 33.44 | 54.00 | -20.56 | 25.43 | 3 | Vertical | 144 | 2.98 | - | 33.15 | 5.64 | 30.78 |
| PK | 7.3104G | 49.23 | 74.00 | -24.77 | 37.89 | 3 | Vertical | 170 | 1.56 | - | 36.42 | 6.84 | 31.92 |
| AV | 7.31268G | 36.89 | 54.00 | -17.11 | 25.54 | 3 | Vertical | 170 | 1.56 | - | 36.43 | 6.84 | 31.92 |

## 802.11g_Nss1,(6Mbps)_4TX

## 2437MHz_TX

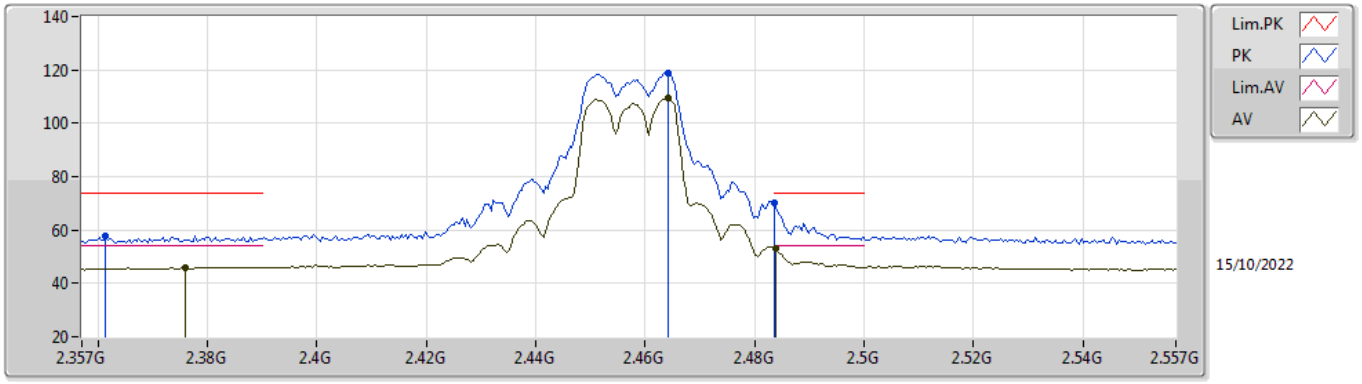



EUT Y_4TX
Setting 17.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.87528G | 47.19 | 74.00 | -26.81 | 39.18 | 3 | Horizontal | 17 | 1.10 | - | 33.15 | 5.64 | 30.78 |
| AV | 4.87348G | 33.44 | 54.00 | -20.56 | 25.43 | 3 | Horizontal | 17 | 1.10 | - | 33.15 | 5.64 | 30.78 |
| PK | 7.31022G | 50.15 | 74.00 | -23.85 | 38.81 | 3 | Horizontal | 198 | 2.92 | - | 36.42 | 6.84 | 31.92 |
| AV | 7.31498G | 36.85 | 54.00 | -17.15 | 25.50 | 3 | Horizontal | 198 | 2.92 | - | 36.43 | 6.84 | 31.92 |

## 802.11g_Nss1,(6Mbps)_4TX

## 2457MHz_TX

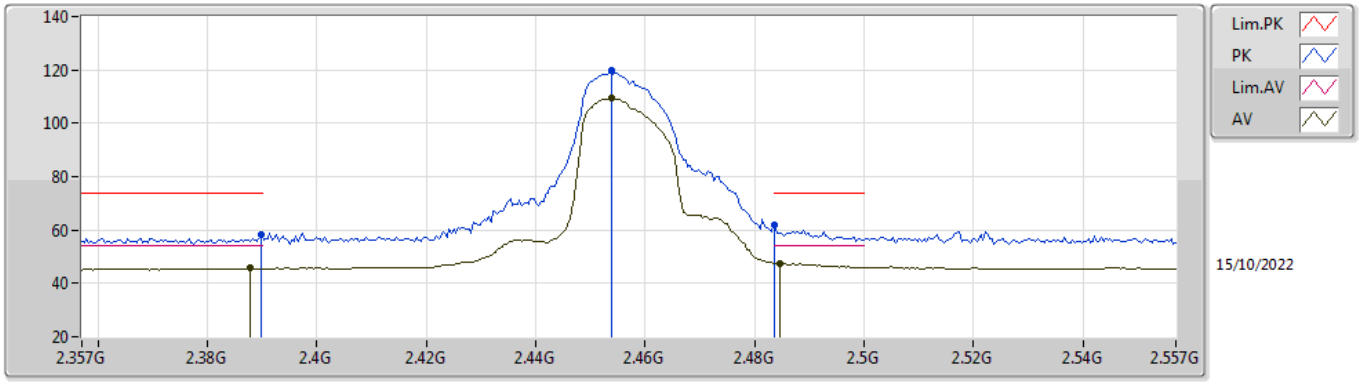



EUT Y_4TX
Setting 14.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3614G | 57.73 | 74.00 | -16.27 | 26.23 | 3 | Vertical | 184 | 1.83 | - | 28.32 | 3.18 | - |
| AV | 2.3758G | 45.99 | 54.00 | -8.01 | 14.45 | 3 | Vertical | 184 | 1.83 | - | 28.35 | 3.19 | - |
| PK | 2.4642G | 118.84 | Inf | -Inf | 87.15 | 3 | Vertical | 184 | 1.83 | - | 28.46 | 3.23 | - |
| AV | 2.4642G | 109.54 | Inf | -Inf | 77.85 | 3 | Vertical | 184 | 1.83 | - | 28.46 | 3.23 | - |
| PK | 2.4835G | 70.12 | 74.00 | -3.88 | 38.35 | 3 | Vertical | 184 | 1.83 | - | 28.53 | 3.24 | - |
| AV | 2.4838G | 52.92 | 54.00 | -1.08 | 21.14 | 3 | Vertical | 184 | 1.83 | - | 28.54 | 3.24 | - |

## 802.11g_Nss1,(6Mbps)_4TX

## 2457MHz_TX

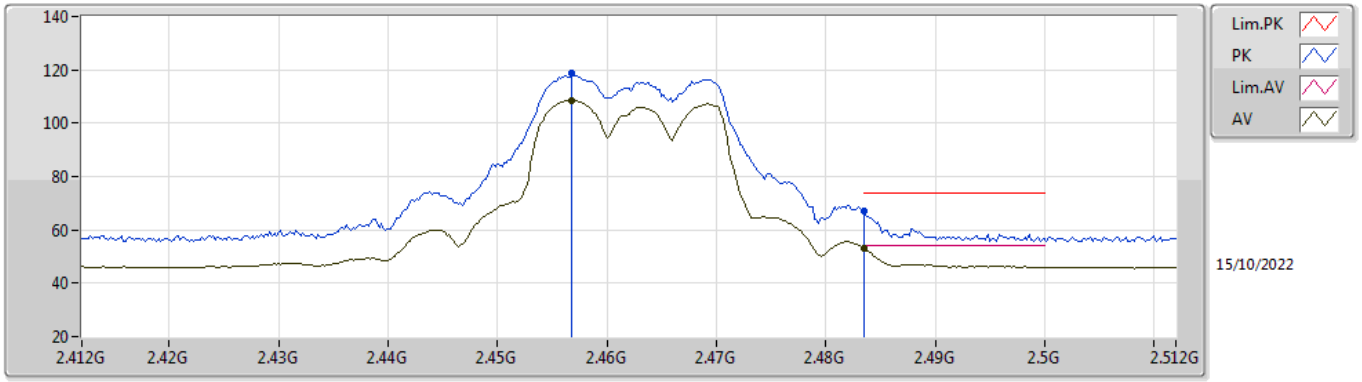



EUT Y_4TX
Setting 14.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3898G | 58.07 | 74.00 | -15.93 | 26.50 | 3 | Horizontal | 171 | 1.82 | - | 28.38 | 3.19 | - |
| AV | 2.3878G | 45.65 | 54.00 | -8.35 | 14.08 | 3 | Horizontal | 171 | 1.82 | - | 28.38 | 3.19 | - |
| PK | 2.4538G | 119.72 | Inf | -Inf | 88.07 | 3 | Horizontal | 171 | 1.82 | - | 28.42 | 3.23 | - |
| AV | 2.4538G | 109.41 | Inf | -Inf | 77.76 | 3 | Horizontal | 171 | 1.82 | - | 28.42 | 3.23 | - |
| PK | 2.4835G | 61.79 | 74.00 | -12.21 | 30.02 | 3 | Horizontal | 171 | 1.82 | - | 28.53 | 3.24 | - |
| AV | 2.4846G | 47.50 | 54.00 | -6.50 | 15.72 | 3 | Horizontal | 171 | 1.82 | - | 28.54 | 3.24 | - |

## 802.11g_Nss1,(6Mbps)_4TX

## 2462MHz_TX

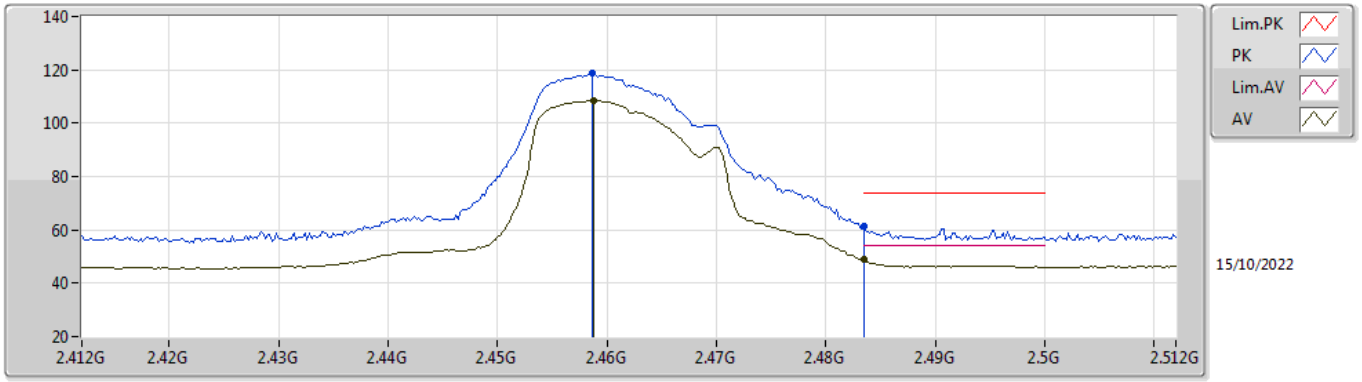



EUT Y_4TX
Setting 13
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.4568G | 119.05 | Inf | -Inf | 87.39 | 3 | Vertical | 180 | 1.94 | - | 28.43 | 3.23 | - |
| AV | 2.4568G | 108.63 | Inf | -Inf | 76.97 | 3 | Vertical | 180 | 1.94 | - | 28.43 | 3.23 | - |
| PK | 2.4835G | 67.13 | 74.00 | -6.87 | 35.36 | 3 | Vertical | 180 | 1.94 | - | 28.53 | 3.24 | - |
| AV | 2.4835G | 53.31 | 54.00 | -0.69 | 21.54 | 3 | Vertical | 180 | 1.94 | - | 28.53 | 3.24 | - |

## 802.11g_Nss1,(6Mbps)_4TX

## 2462MHz_TX

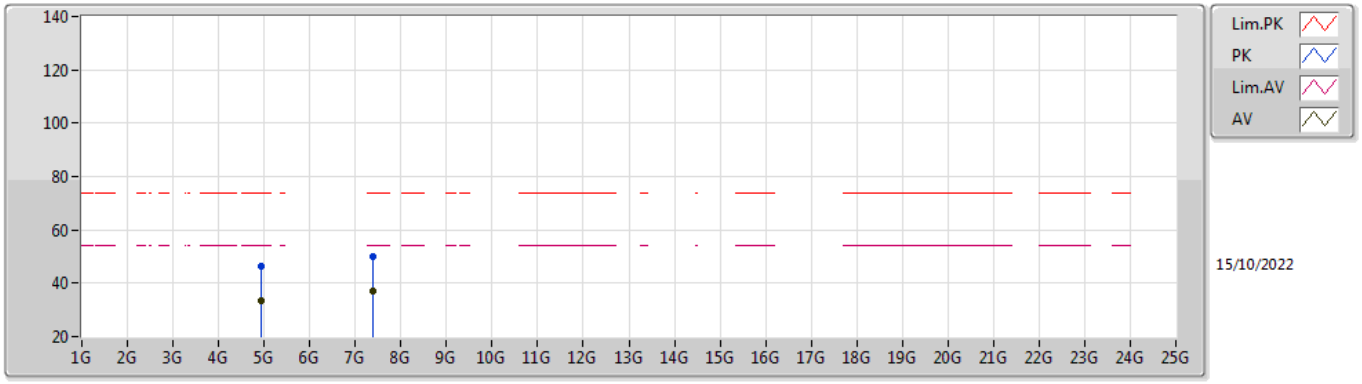



EUT Y_4TX
Setting 13
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.4586G | 118.98 | Inf | -Inf | 87.32 | 3 | Horizontal | 176 | 1.73 | - | 28.43 | 3.23 | - |
| AV | 2.4588G | 108.55 | Inf | -Inf | 76.88 | 3 | Horizontal | 176 | 1.73 | - | 28.44 | 3.23 | - |
| PK | 2.4835G | 61.41 | 74.00 | -12.59 | 29.64 | 3 | Horizontal | 176 | 1.73 | - | 28.53 | 3.24 | - |
| AV | 2.4835G | 48.78 | 54.00 | -5.22 | 17.01 | 3 | Horizontal | 176 | 1.73 | - | 28.53 | 3.24 | - |

## 802.11g_Nss1,(6Mbps)_4TX

## 2462MHz_TX

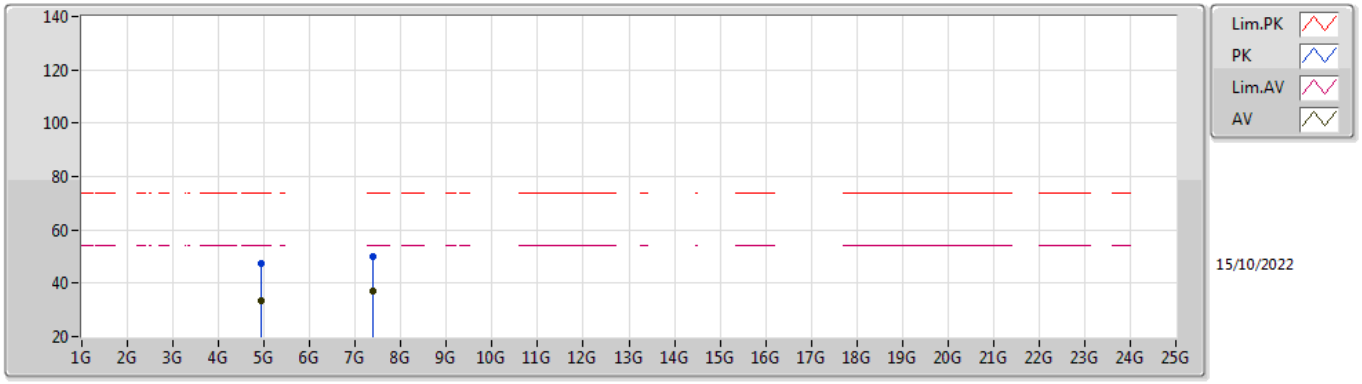



EUT Y_4TX
Setting 13
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.92662G | 46.60 | 74.00 | -27.40 | 38.45 | 3 | Vertical | 22 | 2.75 | - | 33.25 | 5.66 | 30.76 |
| AV | 4.92426G | 33.31 | 54.00 | -20.69 | 25.16 | 3 | Vertical | 22 | 2.75 | - | 33.25 | 5.66 | 30.76 |
| PK | 7.38892G | 49.75 | 74.00 | -24.25 | 38.41 | 3 | Vertical | 96 | 2.68 | - | 36.50 | 6.81 | 31.97 |
| AV | 7.39064G | 37.13 | 54.00 | -16.87 | 25.80 | 3 | Vertical | 96 | 2.68 | - | 36.50 | 6.80 | 31.97 |

## 802.11g_Nss1,(6Mbps)_4TX

## 2462MHz_TX

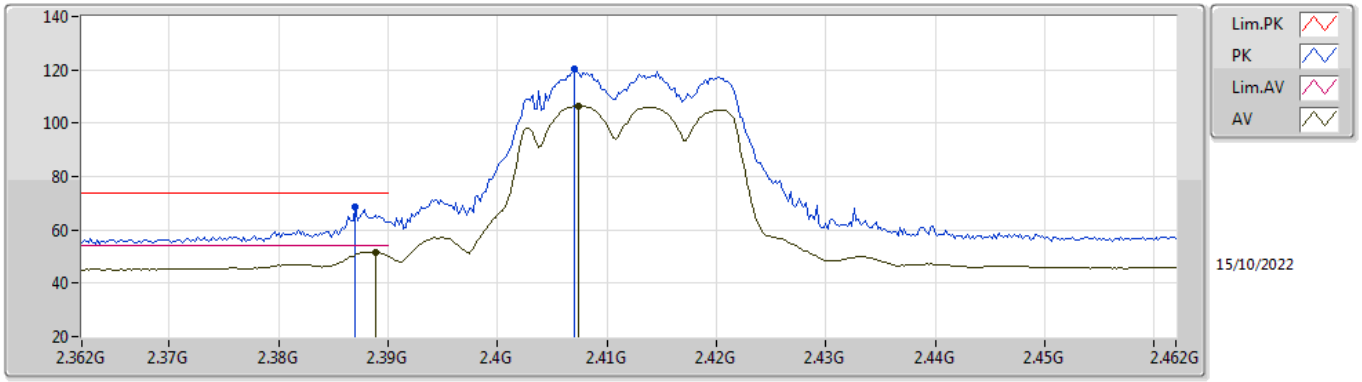



EUT Y_4TX
Setting 13
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.92694G | 47.59 | 74.00 | -26.41 | 39.44 | 3 | Horizontal | 81 | 1.98 | - | 33.25 | 5.66 | 30.76 |
| AV | 4.9261G | 33.45 | 54.00 | -20.55 | 25.30 | 3 | Horizontal | 81 | 1.98 | - | 33.25 | 5.66 | 30.76 |
| PK | 7.38442G | 49.99 | 74.00 | -24.01 | 38.64 | 3 | Horizontal | 169 | 2.86 | - | 36.50 | 6.81 | 31.96 |
| AV | 7.38166G | 37.00 | 54.00 | -17.00 | 25.65 | 3 | Horizontal | 169 | 2.86 | - | 36.50 | 6.81 | 31.96 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2412MHz_TX

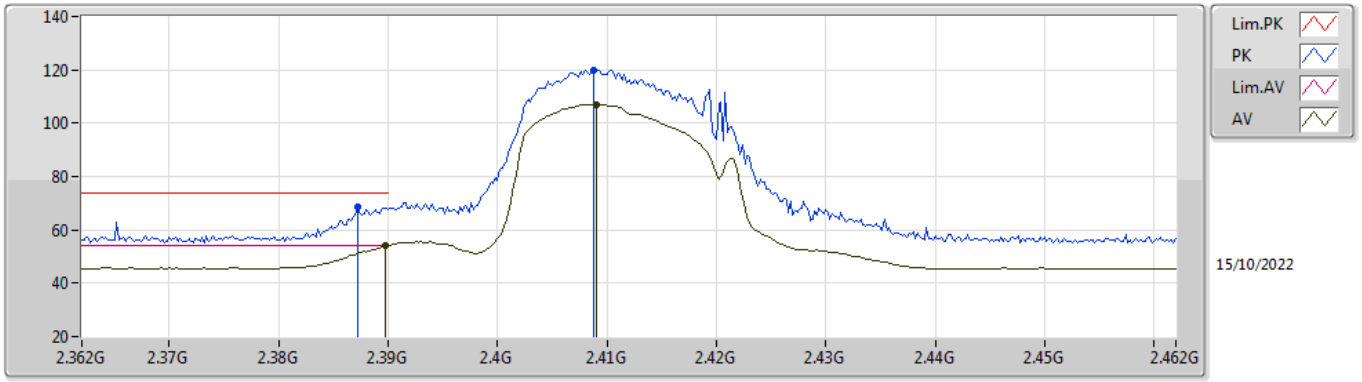



EUT Y_4TX
Setting 12.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.387G | 68.78 | 74.00 | -5.22 | 37.22 | 3 | Vertical | 181 | 2.04 | - | 28.37 | 3.19 | - |
| AV | 2.3888G | 51.76 | 54.00 | -2.24 | 20.19 | 3 | Vertical | 181 | 2.04 | - | 28.38 | 3.19 | - |
| PK | 2.407G | 120.16 | Inf | -Inf | 88.56 | 3 | Vertical | 181 | 2.04 | - | 28.40 | 3.20 | - |
| AV | 2.4074G | 106.63 | Inf | -Inf | 75.03 | 3 | Vertical | 181 | 2.04 | - | 28.40 | 3.20 | - |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2412MHz_TX

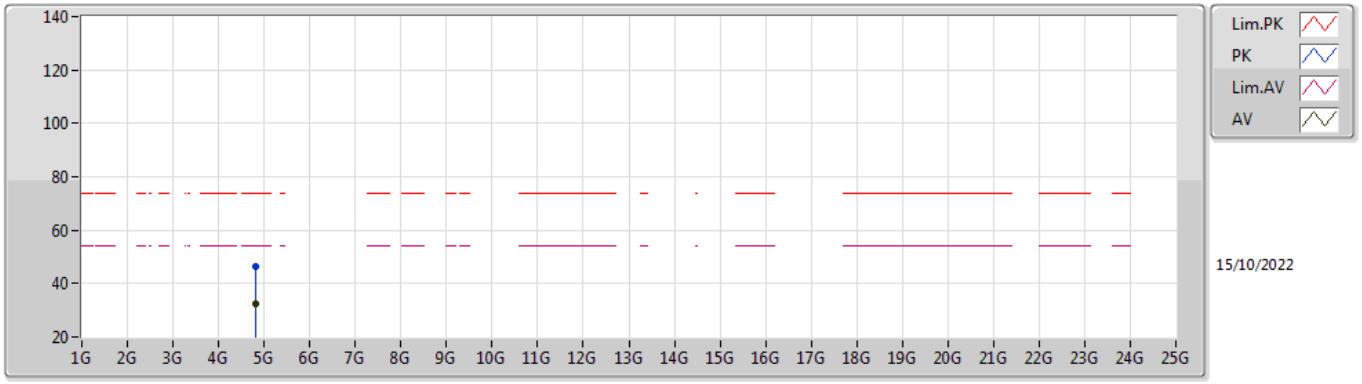



EUT Y_4TX
Setting 12.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3872G | 68.44 | 74.00 | -5.56 | 36.88 | 3 | Horizontal | 167 | 2.08 | - | 28.37 | 3.19 | - |
| AV | 2.3898G | 53.91 | 54.00 | -0.09 | 22.34 | 3 | Horizontal | 167 | 2.08 | - | 28.38 | 3.19 | - |
| PK | 2.4088G | 119.94 | Inf | -Inf | 88.34 | 3 | Horizontal | 167 | 2.08 | - | 28.40 | 3.20 | - |
| AV | 2.409G | 107.10 | Inf | -Inf | 75.50 | 3 | Horizontal | 167 | 2.08 | - | 28.40 | 3.20 | - |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2412MHz_TX

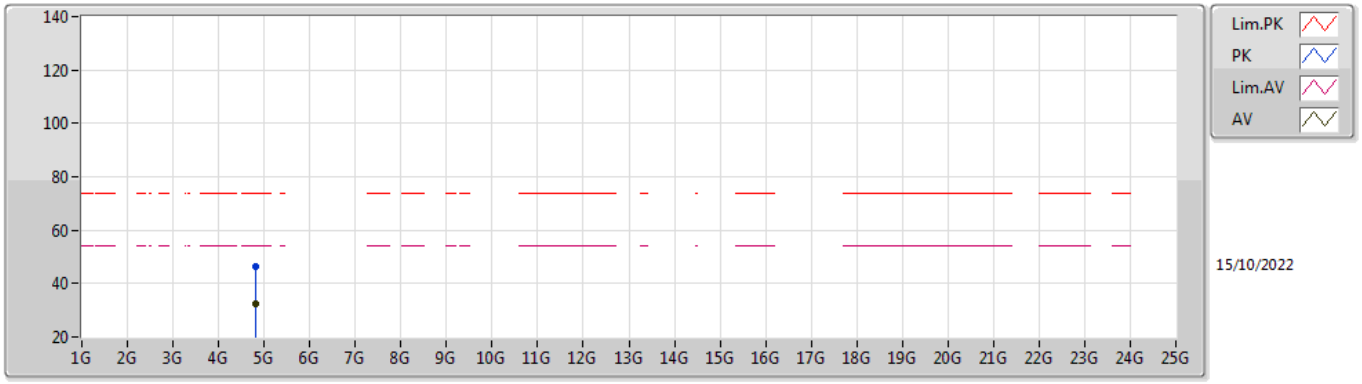



EUT Y_4TX
Setting 12.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.82428G | 46.26 | 74.00 | -27.74 | 38.50 | 3 | Vertical | 269 | 1.79 | - | 32.95 | 5.61 | 30.80 |
| AV | 4.82256G | 32.37 | 54.00 | -21.63 | 24.62 | 3 | Vertical | 269 | 1.79 | - | 32.94 | 5.61 | 30.80 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2412MHz_TX

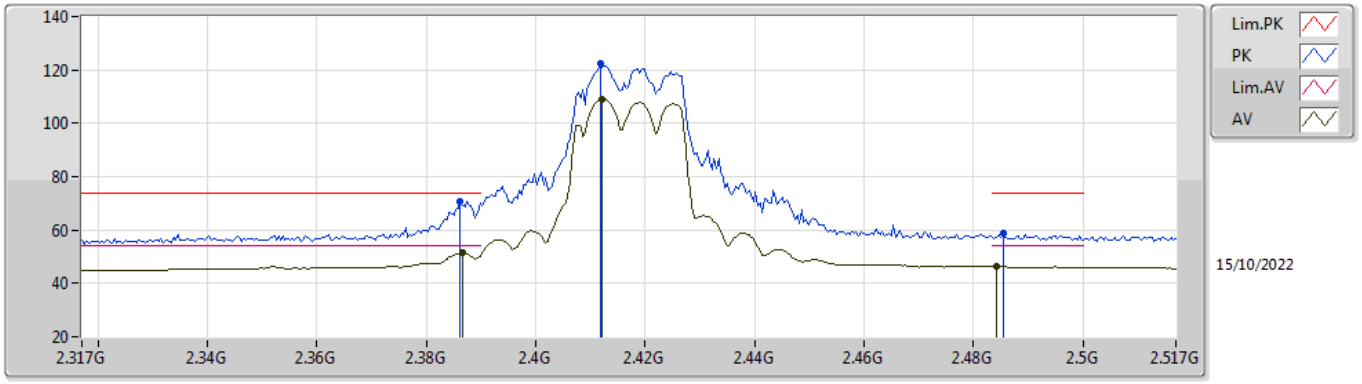



EUT Y_4TX
Setting 12.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.82688G | 46.34 | 74.00 | -27.66 | 38.57 | 3 | Horizontal | 281 | 1.91 | - | 32.96 | 5.61 | 30.80 |
| AV | 4.8209G | 32.45 | 54.00 | -21.55 | 24.72 | 3 | Horizontal | 281 | 1.91 | - | 32.93 | 5.61 | 30.81 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2417MHz_TX

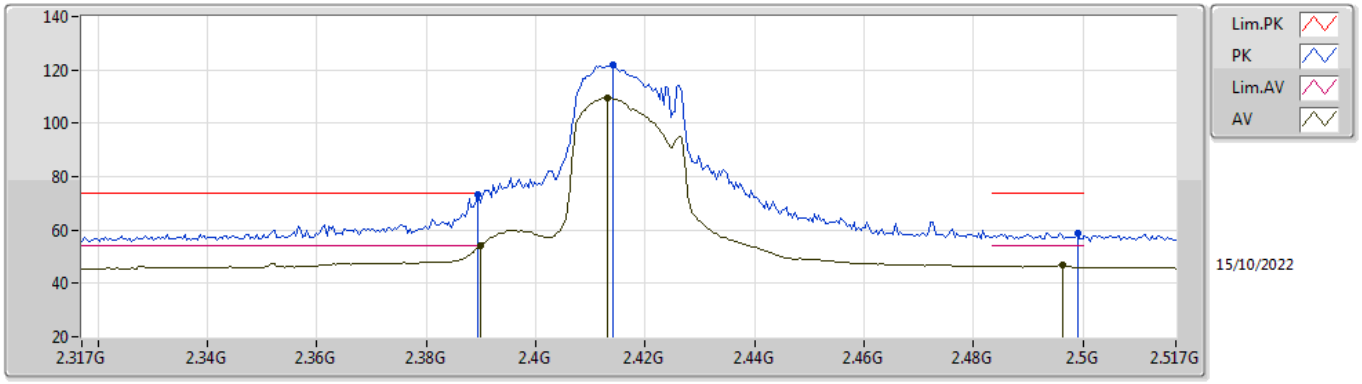



EUT Y_4TX
Setting 14.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3862G | 70.59 | 74.00 | -3.41 | 39.03 | 3 | Vertical | 177 | 2.03 | - | 28.37 | 3.19 | - |
| AV | 2.3866G | 51.31 | 54.00 | -2.69 | 19.75 | 3 | Vertical | 177 | 2.03 | - | 28.37 | 3.19 | - |
| PK | 2.4118G | 122.33 | Inf | -Inf | 90.72 | 3 | Vertical | 177 | 2.03 | - | 28.40 | 3.21 | - |
| AV | 2.4122G | 109.13 | Inf | -Inf | 77.52 | 3 | Vertical | 177 | 2.03 | - | 28.40 | 3.21 | - |
| PK | 2.4854G | 58.68 | 74.00 | -15.32 | 26.90 | 3 | Vertical | 177 | 2.03 | - | 28.54 | 3.24 | - |
| AV | 2.4842G | 46.48 | 54.00 | -7.52 | 14.70 | 3 | Vertical | 177 | 2.03 | - | 28.54 | 3.24 | - |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2417MHz_TX

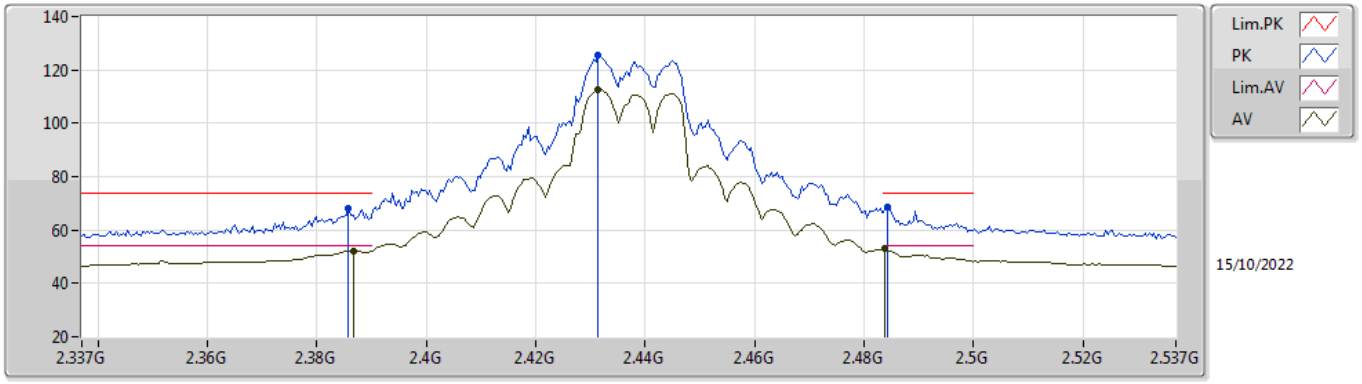



EUT Y_4TX
Setting 14.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3894G | 73.16 | 74.00 | -0.84 | 41.59 | 3 | Horizontal | 176 | 2.11 | - | 28.38 | 3.19 | - |
| AV | 2.3898G | 53.91 | 54.00 | -0.09 | 22.34 | 3 | Horizontal | 176 | 2.11 | - | 28.38 | 3.19 | - |
| PK | 2.4142G | 122.06 | Inf | -Inf | 90.45 | 3 | Horizontal | 176 | 2.11 | - | 28.40 | 3.21 | - |
| AV | 2.413G | 109.36 | Inf | -Inf | 77.75 | 3 | Horizontal | 176 | 2.11 | - | 28.40 | 3.21 | - |
| PK | 2.499G | 58.94 | 74.00 | -15.06 | 27.09 | 3 | Horizontal | 176 | 2.11 | - | 28.60 | 3.25 | - |
| AV | 2.4962G | 46.76 | 54.00 | -7.24 | 14.93 | 3 | Horizontal | 176 | 2.11 | - | 28.58 | 3.25 | - |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2437MHz_TX

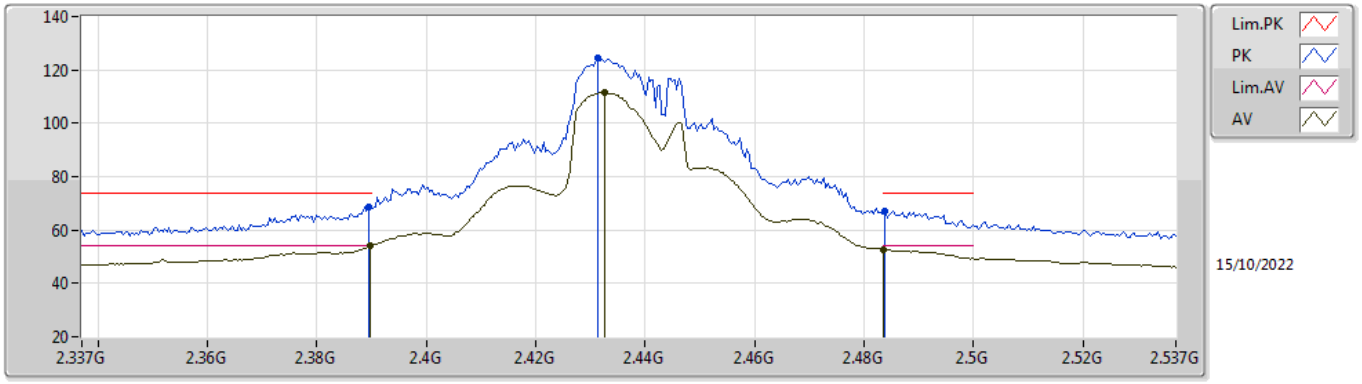



EUT Y_4TX
Setting 18
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3858G | 68.16 | 74.00 | -5.84 | 36.60 | 3 | Vertical | 179 | 1.95 | - | 28.37 | 3.19 | - |
| AV | 2.3866G | 52.21 | 54.00 | -1.79 | 20.65 | 3 | Vertical | 179 | 1.95 | - | 28.37 | 3.19 | - |
| PK | 2.4314G | 125.42 | Inf | -Inf | 93.80 | 3 | Vertical | 179 | 1.95 | - | 28.40 | 3.22 | - |
| AV | 2.4314G | 112.52 | Inf | -Inf | 80.90 | 3 | Vertical | 179 | 1.95 | - | 28.40 | 3.22 | - |
| PK | 2.4842G | 68.47 | 74.00 | -5.53 | 36.69 | 3 | Vertical | 179 | 1.95 | - | 28.54 | 3.24 | - |
| AV | 2.4838G | 52.92 | 54.00 | -1.08 | 21.14 | 3 | Vertical | 179 | 1.95 | - | 28.54 | 3.24 | - |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2437MHz_TX

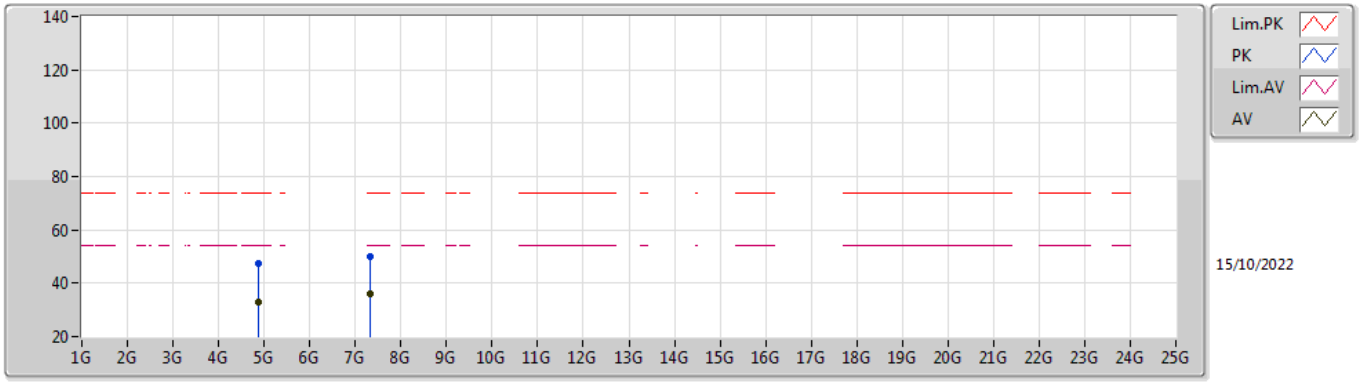



EUT Y_4TX
Setting 18
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3894G | 68.63 | 74.00 | -5.37 | 37.06 | 3 | Horizontal | 184 | 2.22 | - | 28.38 | 3.19 | - |
| AV | 2.3898G | 53.91 | 54.00 | -0.09 | 22.34 | 3 | Horizontal | 184 | 2.22 | - | 28.38 | 3.19 | - |
| PK | 2.4314G | 124.34 | Inf | -Inf | 92.72 | 3 | Horizontal | 184 | 2.22 | - | 28.40 | 3.22 | - |
| AV | 2.4326G | 111.51 | Inf | -Inf | 79.89 | 3 | Horizontal | 184 | 2.22 | - | 28.40 | 3.22 | - |
| PK | 2.4838G | 66.91 | 74.00 | -7.09 | 35.13 | 3 | Horizontal | 184 | 2.22 | - | 28.54 | 3.24 | - |
| AV | 2.4835G | 52.61 | 54.00 | -1.39 | 20.84 | 3 | Horizontal | 184 | 2.22 | - | 28.53 | 3.24 | - |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2437MHz_TX

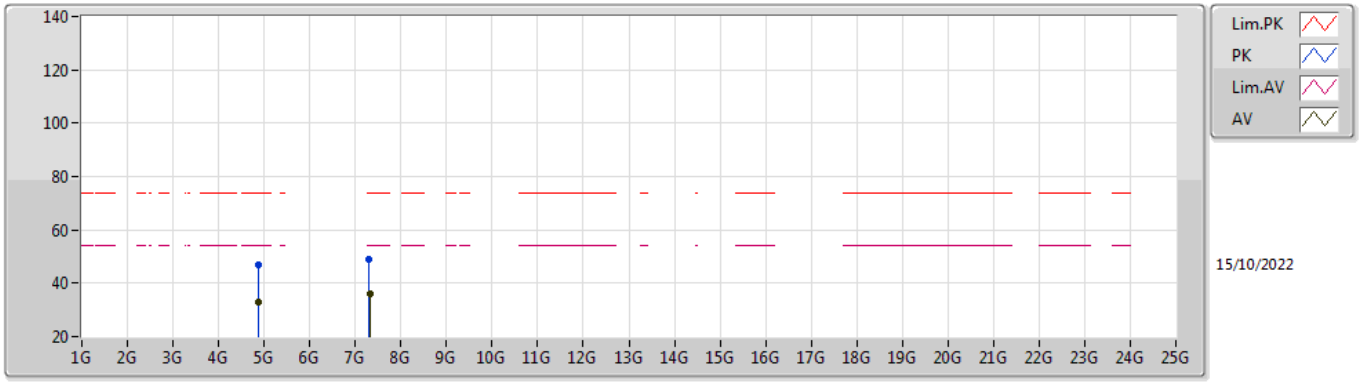



EUT Y_4TX
Setting 18
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.87548G | 47.16 | 74.00 | -26.84 | 39.15 | 3 | Vertical | 92 | 2.52 | - | 33.15 | 5.64 | 30.78 |
| AV | 4.87278G | 32.91 | 54.00 | -21.09 | 24.90 | 3 | Vertical | 92 | 2.52 | - | 33.15 | 5.64 | 30.78 |
| PK | 7.3155G | 49.81 | 74.00 | -24.19 | 38.46 | 3 | Vertical | 97 | 1.83 | - | 36.43 | 6.84 | 31.92 |
| AV | 7.3154G | 36.25 | 54.00 | -17.75 | 24.90 | 3 | Vertical | 97 | 1.83 | - | 36.43 | 6.84 | 31.92 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2437MHz_TX

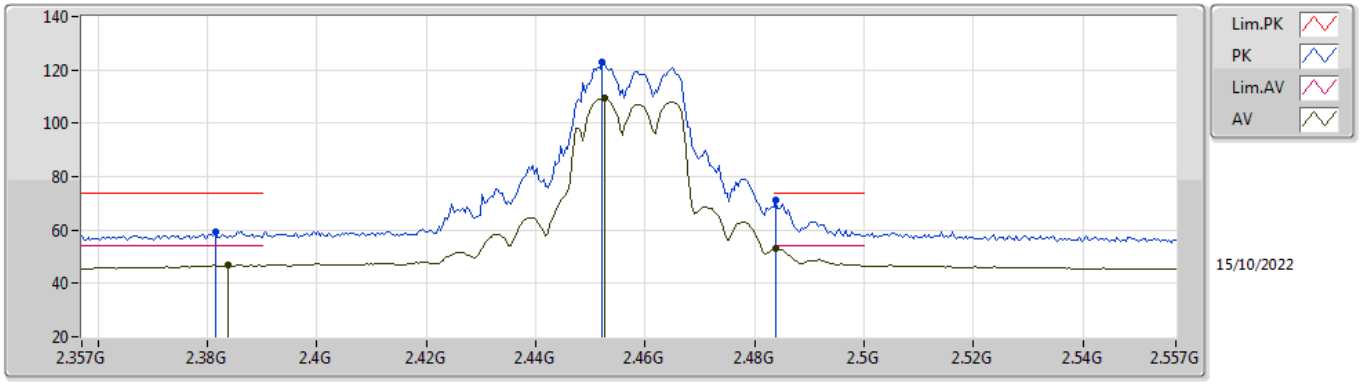



EUT Y_4TX
Setting 18
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.87548G | 46.77 | 74.00 | -27.23 | 38.76 | 3 | Horizontal | 184 | 2.80 | - | 33.15 | 5.64 | 30.78 |
| AV | 4.87298G | 32.99 | 54.00 | -21.01 | 24.98 | 3 | Horizontal | 184 | 2.80 | - | 33.15 | 5.64 | 30.78 |
| PK | 7.30922G | 49.14 | 74.00 | -24.86 | 37.79 | 3 | Horizontal | 256 | 2.54 | - | 36.42 | 6.85 | 31.92 |
| AV | 7.3148G | 36.22 | 54.00 | -17.78 | 24.87 | 3 | Horizontal | 256 | 2.54 | - | 36.43 | 6.84 | 31.92 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2457MHz_TX

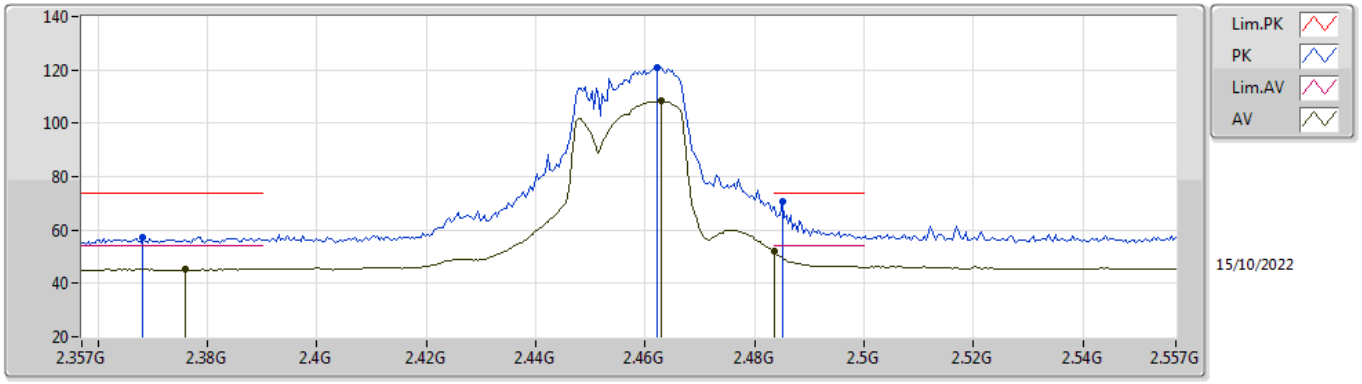



EUT Y_4TX
Setting 14.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3814G | 59.10 | 74.00 | -14.90 | 27.55 | 3 | Vertical | 181 | 2.08 | - | 28.36 | 3.19 | - |
| AV | 2.3838G | 46.74 | 54.00 | -7.26 | 15.18 | 3 | Vertical | 181 | 2.08 | - | 28.37 | 3.19 | - |
| PK | 2.4522G | 122.68 | Inf | -Inf | 91.04 | 3 | Vertical | 181 | 2.08 | - | 28.41 | 3.23 | - |
| AV | 2.4526G | 109.28 | Inf | -Inf | 77.64 | 3 | Vertical | 181 | 2.08 | - | 28.41 | 3.23 | - |
| PK | 2.4838G | 71.25 | 74.00 | -2.75 | 39.47 | 3 | Vertical | 181 | 2.08 | - | 28.54 | 3.24 | - |
| AV | 2.4838G | 52.97 | 54.00 | -1.03 | 21.19 | 3 | Vertical | 181 | 2.08 | - | 28.54 | 3.24 | - |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2457MHz_TX

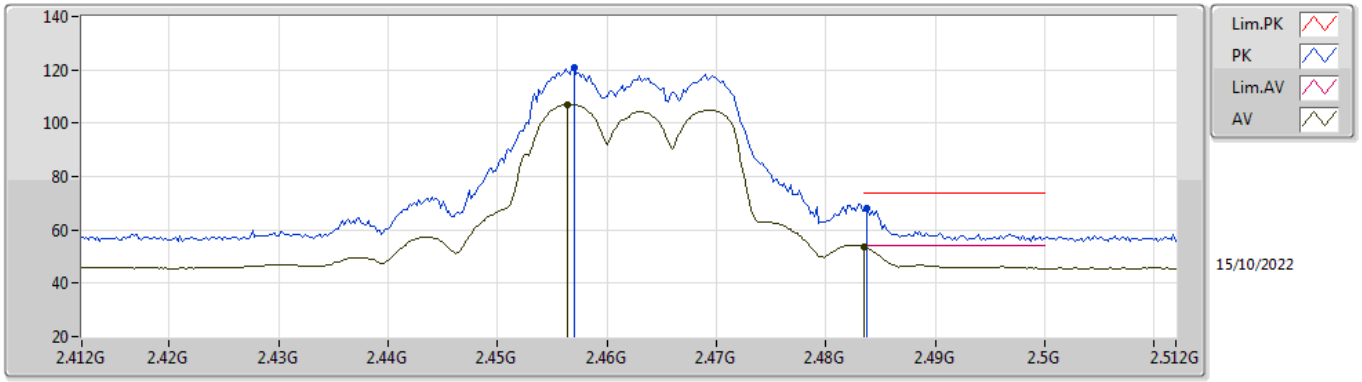



EUT Y_4TX
Setting 14.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3682G | 57.22 | 74.00 | -16.78 | 25.70 | 3 | Horizontal | 178 | 1.64 | - | 28.34 | 3.18 | - |
| AV | 2.3758G | 45.34 | 54.00 | -8.66 | 13.80 | 3 | Horizontal | 178 | 1.64 | - | 28.35 | 3.19 | - |
| PK | 2.4622G | 120.79 | Inf | -Inf | 89.11 | 3 | Horizontal | 178 | 1.64 | - | 28.45 | 3.23 | - |
| AV | 2.463G | 108.21 | Inf | -Inf | 76.53 | 3 | Horizontal | 178 | 1.64 | - | 28.45 | 3.23 | - |
| PK | 2.485G | 70.53 | 74.00 | -3.47 | 38.75 | 3 | Horizontal | 178 | 1.64 | - | 28.54 | 3.24 | - |
| AV | 2.4835G | 52.01 | 54.00 | -1.99 | 20.24 | 3 | Horizontal | 178 | 1.64 | - | 28.53 | 3.24 | - |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2462MHz_TX

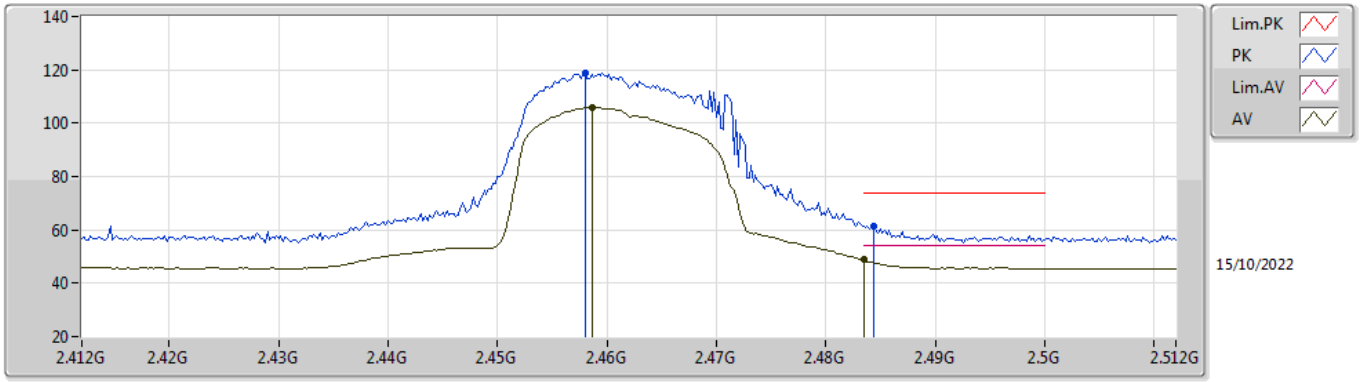



EUT Y_4TX
Setting 12
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.457G | 121.06 | Inf | -Inf | 89.40 | 3 | Vertical | 180 | 1.93 | - | 28.43 | 3.23 | - |
| AV | 2.4564G | 107.07 | Inf | -Inf | 75.41 | 3 | Vertical | 180 | 1.93 | - | 28.43 | 3.23 | - |
| PK | 2.4838G | 68.16 | 74.00 | -5.84 | 36.38 | 3 | Vertical | 180 | 1.93 | - | 28.54 | 3.24 | - |
| AV | 2.4835G | 53.38 | 54.00 | -0.62 | 21.61 | 3 | Vertical | 180 | 1.93 | - | 28.53 | 3.24 | - |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2462MHz_TX

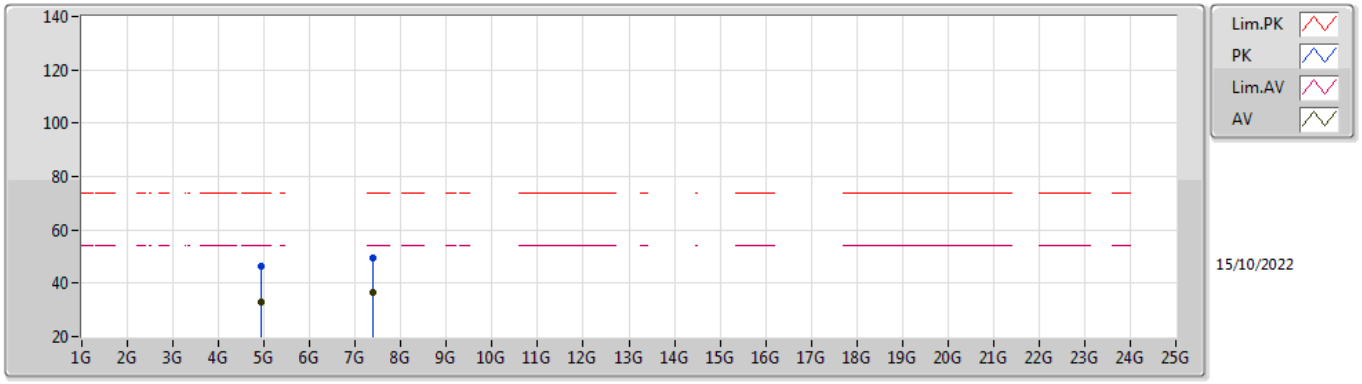



EUT Y_4TX
Setting 12
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.458G | 118.87 | Inf | -Inf | 87.21 | 3 | Horizontal | 175 | 2.10 | - | 28.43 | 3.23 | - |
| AV | 2.4586G | 105.80 | Inf | -Inf | 74.14 | 3 | Horizontal | 175 | 2.10 | - | 28.43 | 3.23 | - |
| PK | 2.4844G | 61.60 | 74.00 | -12.40 | 29.82 | 3 | Horizontal | 175 | 2.10 | - | 28.54 | 3.24 | - |
| AV | 2.4835G | 48.82 | 54.00 | -5.18 | 17.05 | 3 | Horizontal | 175 | 2.10 | - | 28.53 | 3.24 | - |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2462MHz_TX

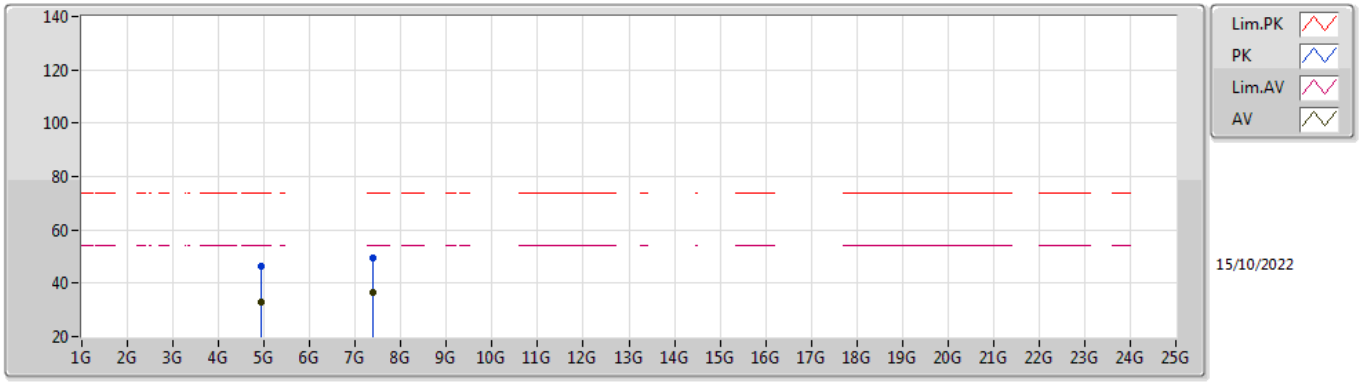



EUT Y_4TX
Setting 12
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.92462G | 46.55 | 74.00 | -27.45 | 38.40 | 3 | Vertical | 235 | 1.82 | - | 33.25 | 5.66 | 30.76 |
| AV | 4.92532G | 32.82 | 54.00 | -21.18 | 24.67 | 3 | Vertical | 235 | 1.82 | - | 33.25 | 5.66 | 30.76 |
| PK | 7.38482G | 49.49 | 74.00 | -24.51 | 38.14 | 3 | Vertical | 85 | 2.91 | - | 36.50 | 6.81 | 31.96 |
| AV | 7.38638G | 36.45 | 54.00 | -17.55 | 25.10 | 3 | Vertical | 85 | 2.91 | - | 36.50 | 6.81 | 31.96 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX

## 2462MHz_TX

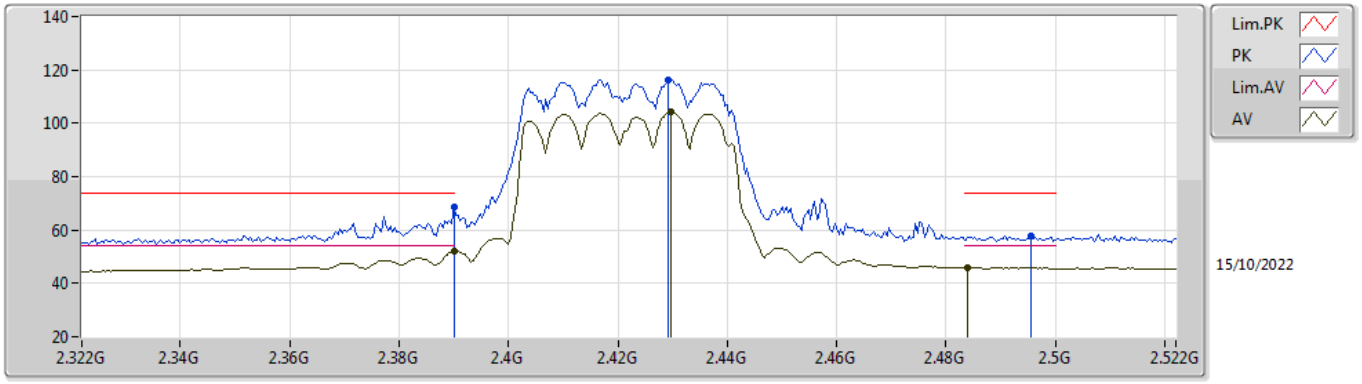



EUT Y_4TX
Setting 12
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.9225G | 46.47 | 74.00 | -27.53 | 38.33 | 3 | Horizontal | 310 | 1.06 | - | 33.24 | 5.66 | 30.76 |
| AV | 4.9241G | 32.74 | 54.00 | -21.26 | 24.59 | 3 | Horizontal | 310 | 1.06 | - | 33.25 | 5.66 | 30.76 |
| PK | 7.39068G | 49.64 | 74.00 | -24.36 | 38.31 | 3 | Horizontal | 350 | 1.02 | - | 36.50 | 6.80 | 31.97 |
| AV | 7.38964G | 36.50 | 54.00 | -17.50 | 25.16 | 3 | Horizontal | 350 | 1.02 | - | 36.50 | 6.81 | 31.97 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2422MHz_TX

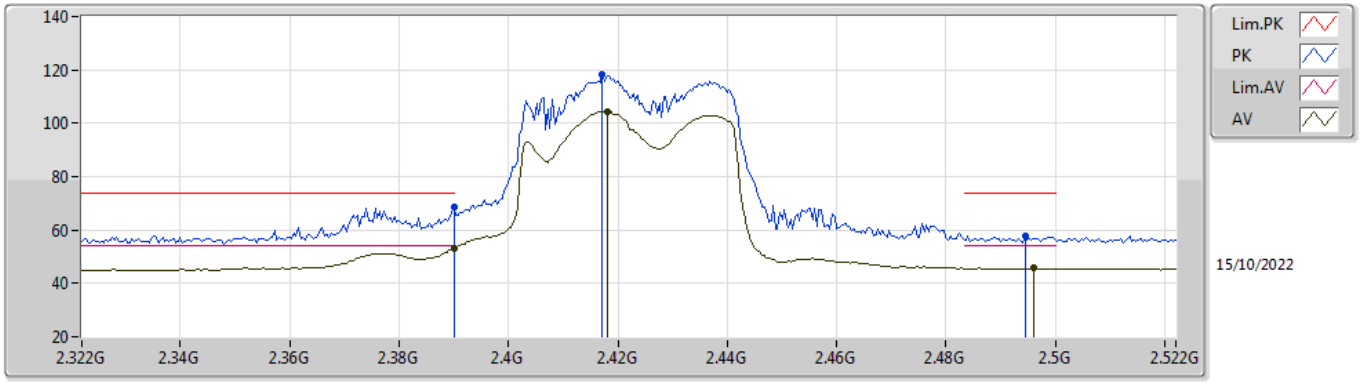



EUT Y_4TX
Setting 12.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.39G | 68.44 | 74.00 | -5.56 | 36.86 | 3 | Vertical | 180 | 1.94 | - | 28.38 | 3.20 | - |
| AV | 2.39G | 51.96 | 54.00 | -2.04 | 20.38 | 3 | Vertical | 180 | 1.94 | - | 28.38 | 3.20 | - |
| PK | 2.4292G | 116.40 | Inf | -Inf | 84.79 | 3 | Vertical | 180 | 1.94 | - | 28.40 | 3.21 | - |
| AV | 2.4296G | 104.19 | Inf | -Inf | 72.58 | 3 | Vertical | 180 | 1.94 | - | 28.40 | 3.21 | - |
| PK | 2.4956G | 57.74 | 74.00 | -16.26 | 25.91 | 3 | Vertical | 180 | 1.94 | - | 28.58 | 3.25 | - |
| AV | 2.484G | 46.01 | 54.00 | -7.99 | 14.23 | 3 | Vertical | 180 | 1.94 | - | 28.54 | 3.24 | - |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2422MHz_TX

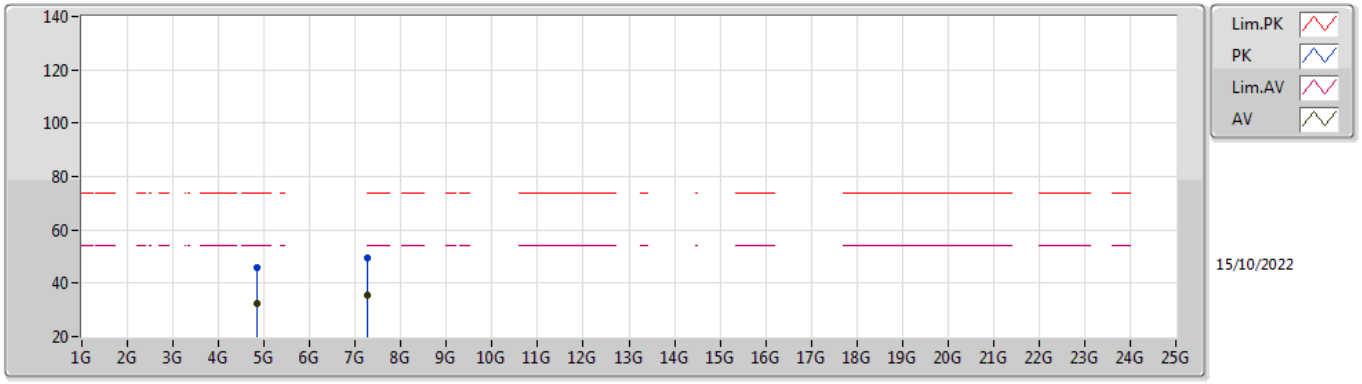



EUT Y_4TX
Setting 12.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.39G | 68.50 | 74.00 | -5.50 | 36.92 | 3 | Horizontal | 176 | 2.25 | - | 28.38 | 3.20 | - |
| AV | 2.39G | 53.22 | 54.00 | -0.78 | 21.64 | 3 | Horizontal | 176 | 2.25 | - | 28.38 | 3.20 | - |
| PK | 2.4172G | 118.09 | Inf | -Inf | 86.48 | 3 | Horizontal | 176 | 2.25 | - | 28.40 | 3.21 | - |
| AV | 2.418G | 104.50 | Inf | -Inf | 72.89 | 3 | Horizontal | 176 | 2.25 | - | 28.40 | 3.21 | - |
| PK | 2.4944G | 57.69 | 74.00 | -16.31 | 25.86 | 3 | Horizontal | 176 | 2.25 | - | 28.58 | 3.25 | - |
| AV | 2.496G | 46.10 | 54.00 | -7.90 | 14.27 | 3 | Horizontal | 176 | 2.25 | - | 28.58 | 3.25 | - |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2422MHz_TX

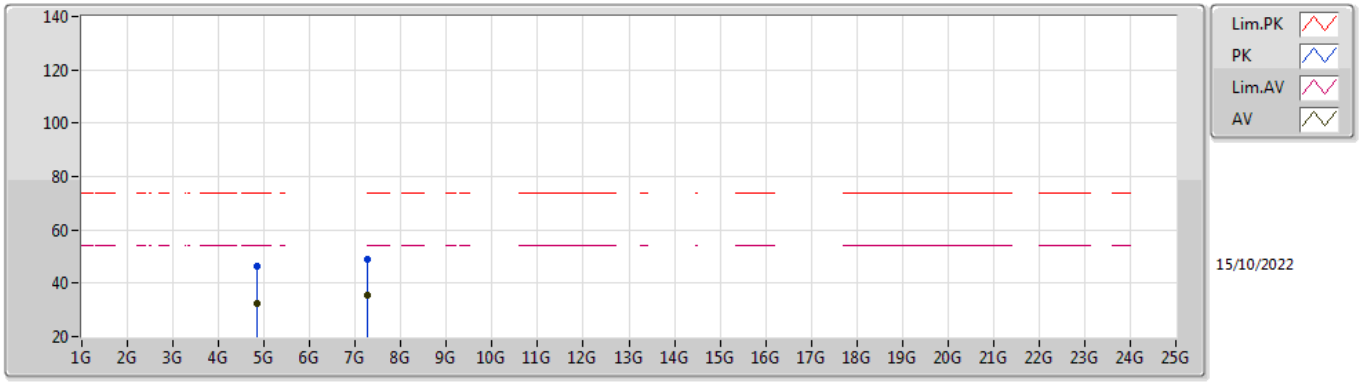



EUT Y_4TX
Setting 12.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.8456G | 46.09 | 74.00 | -27.91 | 38.19 | 3 | Vertical | 301 | 2.80 | - | 33.07 | 5.62 | 30.79 |
| AV | 4.84274G | 32.65 | 54.00 | -21.35 | 24.77 | 3 | Vertical | 301 | 2.80 | - | 33.06 | 5.62 | 30.80 |
| PK | 7.27074G | 49.31 | 74.00 | -24.69 | 38.07 | 3 | Vertical | 324 | 1.89 | - | 36.28 | 6.86 | 31.90 |
| AV | 7.26556G | 35.73 | 54.00 | -18.27 | 24.49 | 3 | Vertical | 324 | 1.89 | - | 36.26 | 6.87 | 31.89 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2422MHz_TX

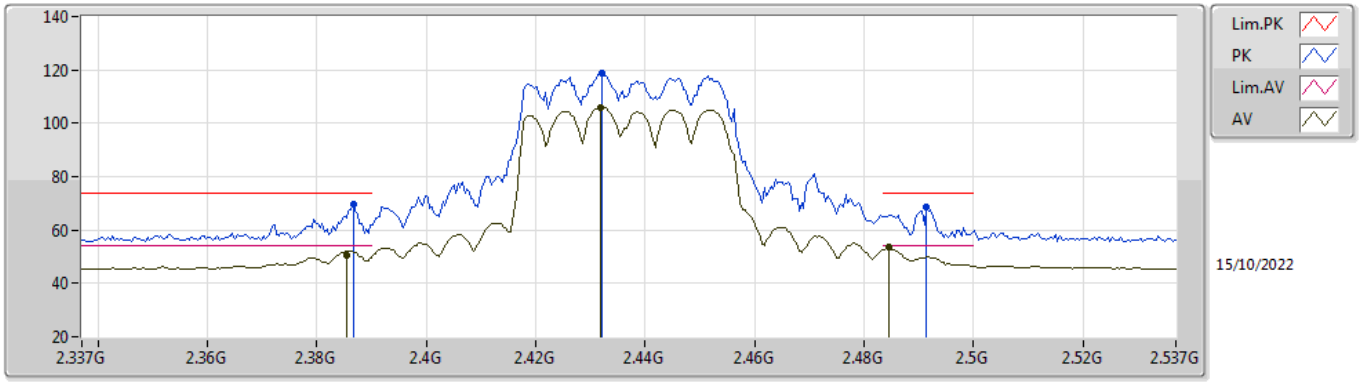



EUT Y_4TX
Setting 12.5
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.84G | 46.29 | 74.00 | -27.71 | 38.43 | 3 | Horizontal | 146 | 1.27 | - | 33.04 | 5.62 | 30.80 |
| AV | 4.84304G | 32.61 | 54.00 | -21.39 | 24.73 | 3 | Horizontal | 146 | 1.27 | - | 33.06 | 5.62 | 30.80 |
| PK | 7.26486G | 49.22 | 74.00 | -24.78 | 37.98 | 3 | Horizontal | 230 | 2.21 | - | 36.26 | 6.87 | 31.89 |
| AV | 7.2629G | 35.72 | 54.00 | -18.28 | 24.49 | 3 | Horizontal | 230 | 2.21 | - | 36.25 | 6.87 | 31.89 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2437MHz_TX

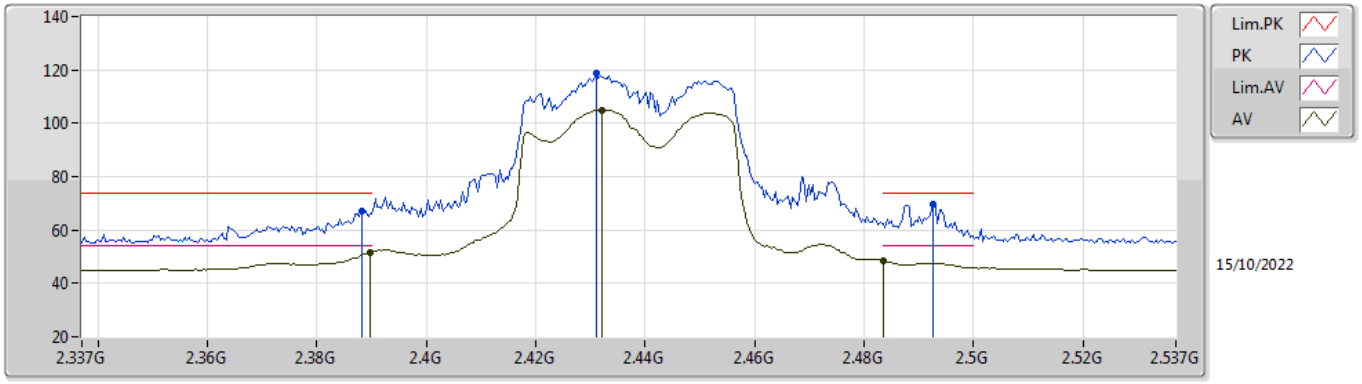



EUT Y_4TX
Setting 14
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3866G | 69.64 | 74.00 | -4.36 | 38.08 | 3 | Vertical | 181 | 2.03 | - | 28.37 | 3.19 | - |
| AV | 2.3854G | 50.62 | 54.00 | -3.38 | 19.06 | 3 | Vertical | 181 | 2.03 | - | 28.37 | 3.19 | - |
| PK | 2.4322G | 118.86 | Inf | -Inf | 87.24 | 3 | Vertical | 181 | 2.03 | - | 28.40 | 3.22 | - |
| AV | 2.4318G | 106.03 | Inf | -Inf | 74.41 | 3 | Vertical | 181 | 2.03 | - | 28.40 | 3.22 | - |
| PK | 2.4914G | 68.71 | 74.00 | -5.29 | 36.89 | 3 | Vertical | 181 | 2.03 | - | 28.57 | 3.25 | - |
| AV | 2.4846G | 53.57 | 54.00 | -0.43 | 21.79 | 3 | Vertical | 181 | 2.03 | - | 28.54 | 3.24 | - |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2437MHz_TX

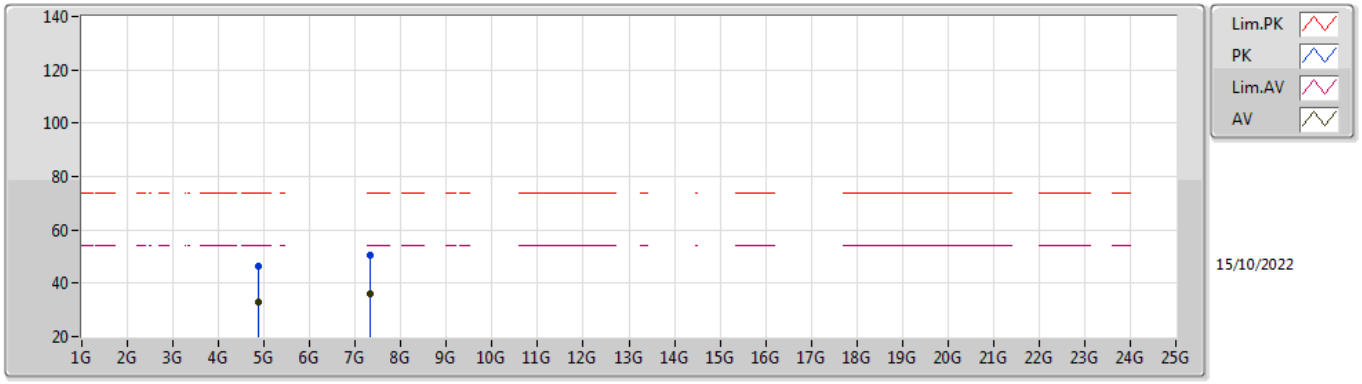



EUT Y_4TX
Setting 14
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3882G | 66.99 | 74.00 | -7.01 | 35.42 | 3 | Horizontal | 178 | 2.27 | - | 28.38 | 3.19 | - |
| AV | 2.3898G | 51.62 | 54.00 | -2.38 | 20.05 | 3 | Horizontal | 178 | 2.27 | - | 28.38 | 3.19 | - |
| PK | 2.431G | 118.56 | Inf | -Inf | 86.94 | 3 | Horizontal | 178 | 2.27 | - | 28.40 | 3.22 | - |
| AV | 2.4322G | 105.03 | Inf | -Inf | 73.41 | 3 | Horizontal | 178 | 2.27 | - | 28.40 | 3.22 | - |
| PK | 2.4926G | 69.54 | 74.00 | -4.46 | 37.72 | 3 | Horizontal | 178 | 2.27 | - | 28.57 | 3.25 | - |
| AV | 2.4835G | 48.59 | 54.00 | -5.41 | 16.82 | 3 | Horizontal | 178 | 2.27 | - | 28.53 | 3.24 | - |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2437MHz_TX

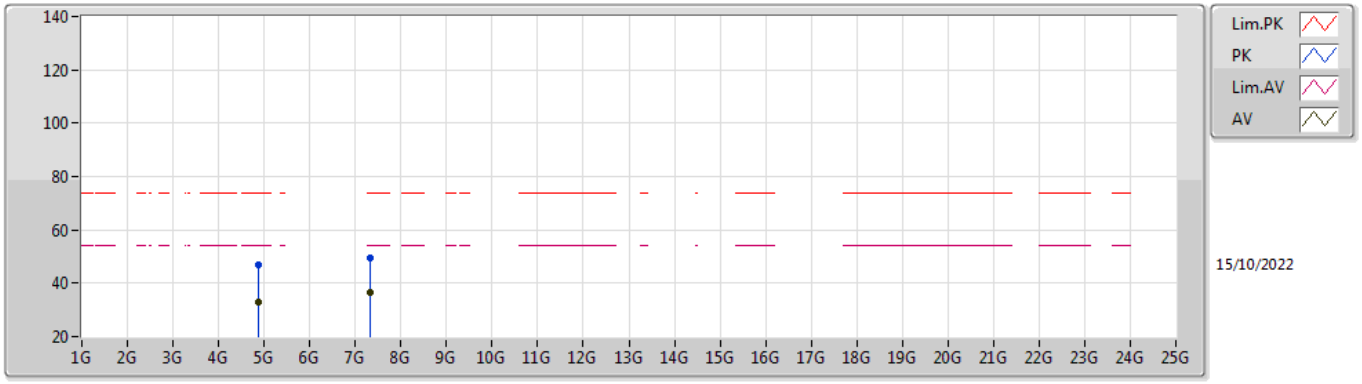



EUT Y_4TX
Setting 14
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.87072G | 46.57 | 74.00 | -27.43 | 38.57 | 3 | Vertical | 224 | 1.09 | - | 33.14 | 5.64 | 30.78 |
| AV | 4.87294G | 32.92 | 54.00 | -21.08 | 24.91 | 3 | Vertical | 224 | 1.09 | - | 33.15 | 5.64 | 30.78 |
| PK | 7.31468G | 50.40 | 74.00 | -23.60 | 39.05 | 3 | Vertical | 311 | 2.96 | - | 36.43 | 6.84 | 31.92 |
| AV | 7.3155G | 36.18 | 54.00 | -17.82 | 24.83 | 3 | Vertical | 311 | 2.96 | - | 36.43 | 6.84 | 31.92 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2437MHz_TX

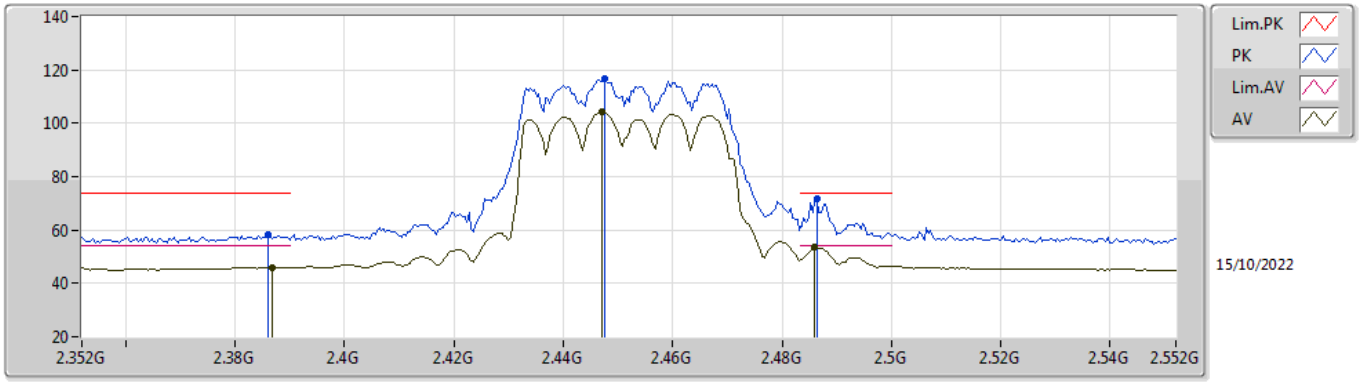



EUT Y_4TX
Setting 14
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.87404G | 47.01 | 74.00 | -26.99 | 39.00 | 3 | Horizontal | 7 | 1.40 | - | 33.15 | 5.64 | 30.78 |
| AV | 4.87466G | 32.92 | 54.00 | -21.08 | 24.91 | 3 | Horizontal | 7 | 1.40 | - | 33.15 | 5.64 | 30.78 |
| PK | 7.31382G | 49.66 | 74.00 | -24.34 | 38.31 | 3 | Horizontal | 42 | 2.65 | - | 36.43 | 6.84 | 31.92 |
| AV | 7.31522G | 36.30 | 54.00 | -17.70 | 24.95 | 3 | Horizontal | 42 | 2.65 | - | 36.43 | 6.84 | 31.92 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2452MHz_TX

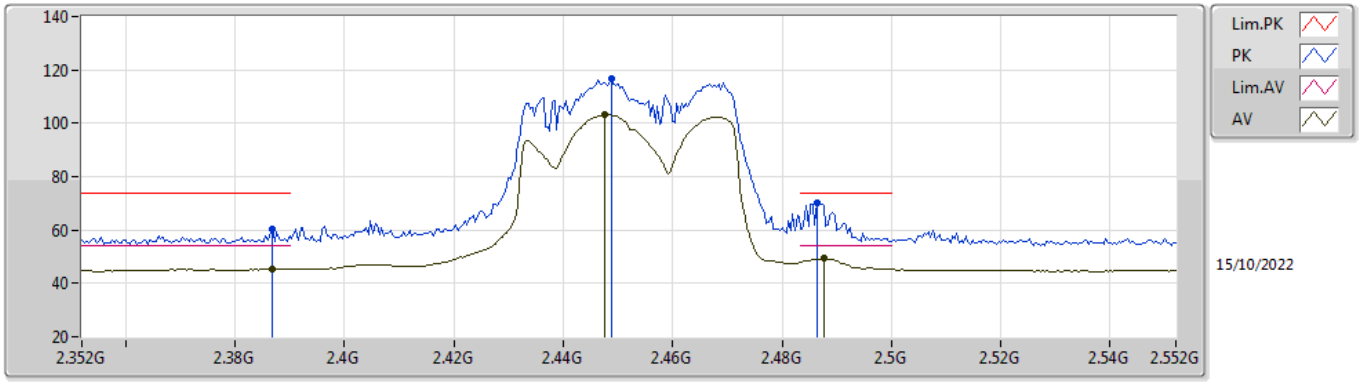



EUT Y_4TX
Setting 12
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.386G | 58.30 | 74.00 | -15.70 | 26.74 | 3 | Vertical | 178 | 2.06 | - | 28.37 | 3.19 | - |
| AV | 2.3868G | 46.10 | 54.00 | -7.90 | 14.54 | 3 | Vertical | 178 | 2.06 | - | 28.37 | 3.19 | - |
| PK | 2.4476G | 116.58 | Inf | -Inf | 84.96 | 3 | Vertical | 178 | 2.06 | - | 28.40 | 3.22 | - |
| AV | 2.4472G | 104.11 | Inf | -Inf | 72.49 | 3 | Vertical | 178 | 2.06 | - | 28.40 | 3.22 | - |
| PK | 2.4864G | 71.81 | 74.00 | -2.19 | 40.02 | 3 | Vertical | 178 | 2.06 | - | 28.55 | 3.24 | - |
| AV | 2.486G | 53.46 | 54.00 | -0.54 | 21.68 | 3 | Vertical | 178 | 2.06 | - | 28.54 | 3.24 | - |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2452MHz_TX

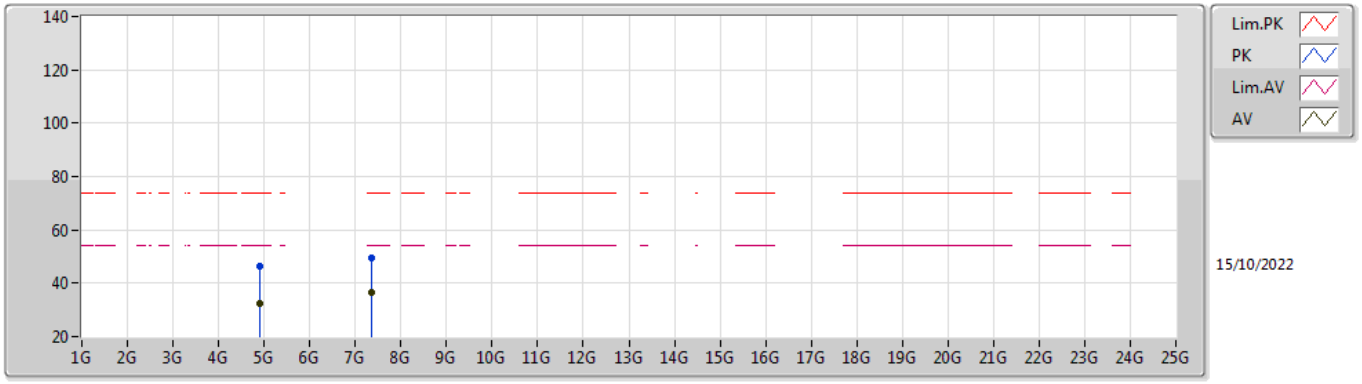



EUT Y_4TX
Setting 12
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 2.3868G | 60.38 | 74.00 | -13.62 | 28.82 | 3 | Horizontal | 177 | 2.21 | - | 28.37 | 3.19 | - |
| AV | 2.3868G | 45.33 | 54.00 | -8.67 | 13.77 | 3 | Horizontal | 177 | 2.21 | - | 28.37 | 3.19 | - |
| PK | 2.4488G | 116.82 | Inf | -Inf | 85.20 | 3 | Horizontal | 177 | 2.21 | - | 28.40 | 3.22 | - |
| AV | 2.4476G | 103.21 | Inf | -Inf | 71.59 | 3 | Horizontal | 177 | 2.21 | - | 28.40 | 3.22 | - |
| PK | 2.4864G | 70.01 | 74.00 | -3.99 | 38.22 | 3 | Horizontal | 177 | 2.21 | - | 28.55 | 3.24 | - |
| AV | 2.4876G | 49.35 | 54.00 | -4.65 | 17.56 | 3 | Horizontal | 177 | 2.21 | - | 28.55 | 3.24 | - |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2452MHz_TX

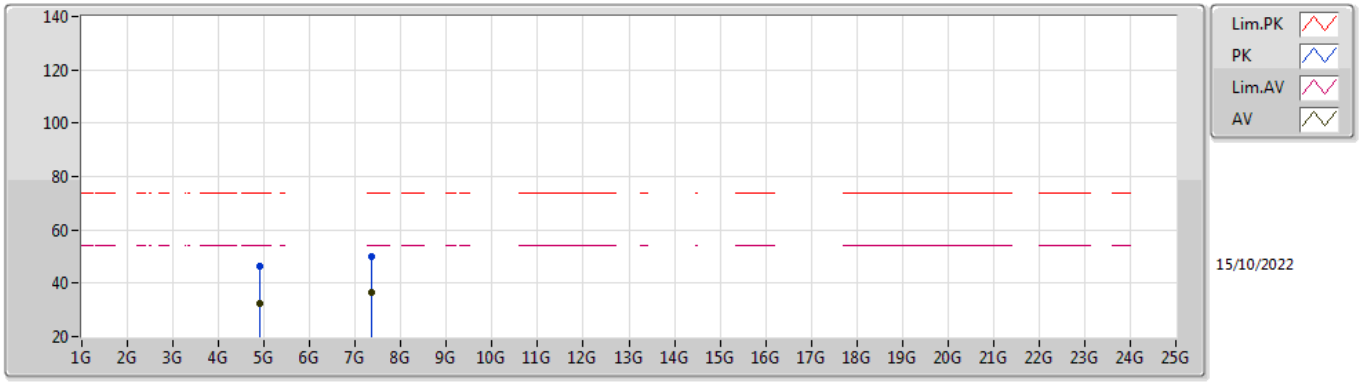



EUT Y_4TX
Setting 12
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.90796G | 46.38 | 74.00 | -27.62 | 38.28 | 3 | Vertical | 20 | 1.37 | - | 33.22 | 5.65 | 30.77 |
| AV | 4.90326G | 32.45 | 54.00 | -21.55 | 24.36 | 3 | Vertical | 20 | 1.37 | - | 33.21 | 5.65 | 30.77 |
| PK | 7.35778G | 49.54 | 74.00 | -24.46 | 38.17 | 3 | Vertical | 224 | 1.84 | - | 36.50 | 6.82 | 31.95 |
| AV | 7.35298G | 36.33 | 54.00 | -17.67 | 24.95 | 3 | Vertical | 224 | 1.84 | - | 36.50 | 6.82 | 31.94 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX

## 2452MHz_TX



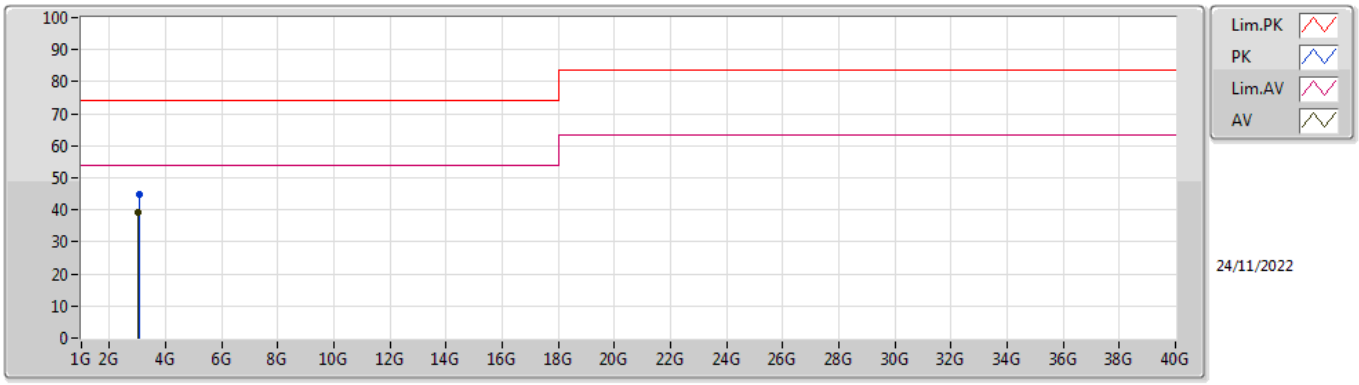

EUT Y_4TX
Setting 12
02-B-S-8

| Type | Freq | Level | Limit | Margin | Raw | Dist | Condition | Azimuth | Height | Comment | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (m) | | (°) | (m) | | (dB) | (dB) | (dB) |
| PK | 4.9039G | 46.53 | 74.00 | -27.47 | 38.44 | 3 | Horizontal | 92 | 1.14 | - | 33.21 | 5.65 | 30.77 |
| AV | 4.90288G | 32.41 | 54.00 | -21.59 | 24.32 | 3 | Horizontal | 92 | 1.14 | - | 33.21 | 5.65 | 30.77 |
| PK | 7.35592G | 49.81 | 74.00 | -24.19 | 38.44 | 3 | Horizontal | 58 | 1.37 | - | 36.50 | 6.82 | 31.95 |
| AV | 7.35166G | 36.31 | 54.00 | -17.69 | 24.93 | 3 | Horizontal | 58 | 1.37 | - | 36.50 | 6.82 | 31.94 |

Summary

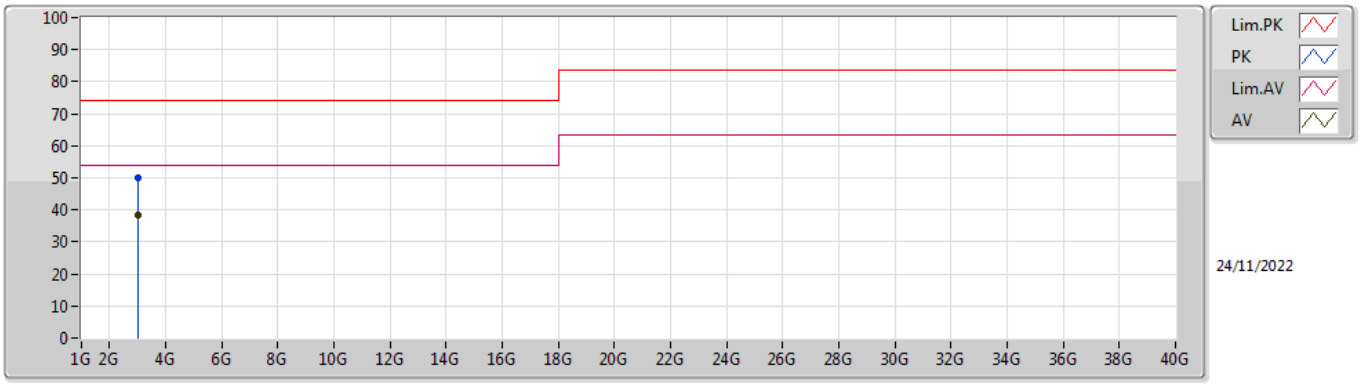
| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Condition |
|---|---|---|---|---|---|---|---|
| Mode 2 | Pass | AV | 3.0336G | 39.26 | 54.00 | -14.74 | Vertical |

## Mode 2




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB/m) | (m) | | (°) | (m) | | (dBuV/m) | (dB/m) | (dB) | (dB) |
| PK | 3.0463G | 44.72 | 74.00 | -29.28 | -1.55 | 3 | Vertical | 12 | 1.00 | - | 46.27 | 29.58 | 4.85 | 35.98 |
| AV | 3.0336G | 39.26 | 54.00 | -14.74 | -1.66 | 3 | Vertical | 12 | 1.00 | "Worst" | 40.92 | 29.50 | 4.83 | 35.99 |

## Mode 2




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB/m) | (m) | | (°) | (m) | | (dBuV/m) | (dB/m) | (dB) | (dB) |
| PK | 3.034G | 49.83 | 74.00 | -24.17 | -1.66 | 3 | Horizontal | 8 | 1.25 | - | 51.49 | 29.50 | 4.83 | 35.99 |
| AV | 3.0386G | 38.24 | 54.00 | -15.76 | -1.61 | 3 | Horizontal | 8 | 1.25 | "Worst" | 39.85 | 29.53 | 4.84 | 35.98 |