

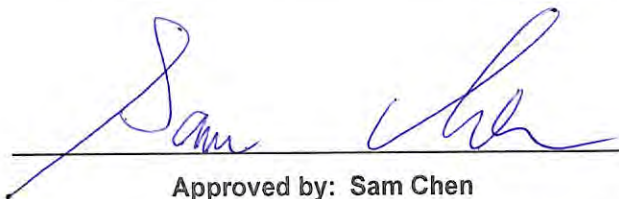


RADIO TEST REPORT

FCC ID : UIDG54
Equipment : Cable Modem
Brand Name : ARRIS
Model Name : G54
Applicant : ARRIS
3871 Lakefield Drive Suite 300 SUWANEE Georgia
United States 30024
Manufacturer : ARRIS
3871 Lakefield Drive Suite 300 SUWANEE Georgia
United States 30024
Standard : 47 CFR FCC Part 15.407

The product was received on Feb. 27, 2023, and testing was started from Feb. 27, 2023 and completed on Mar. 24, 2023. 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
No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



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Photographs of EUT v01



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 | 15.407(a) | Emission Bandwidth | PASS | - |
| 3.3 | 15.407(a) | Maximum Output Power | PASS | - |
| 3.4 | 15.407(a) | Power Spectral Density | PASS | - |
| 3.5 | 15.407(b) | Unwanted Emissions | PASS | - |

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen

Report Producer: Sandy Chuang



1 General Description

1.1 Information

1.1.1 RF General Information

| Frequency Range (MHz) | IEEE Std. 802.11 | Ch. Frequency (MHz) | Channel Number |
|-----------------------|--|---------------------|----------------|
| 5150-5250 | a, n (HT20), ac (VHT20), ax (HEW20), be (EHT20) | 5180-5240 | 36-48 [4] |
| 5725-5850 | | 5745-5825 | 149-165 [5] |
| 5150-5250 | n (HT40), ac (VHT40), ax (HEW40), be (EHT40) | 5190-5230 | 38-46 [2] |
| 5725-5850 | | 5755-5795 | 151-159 [2] |
| 5150-5250 | ac (VHT80), ax (HEW80), be (EHT80) | 5210 | 42 [1] |
| 5725-5850 | | 5775 | 155 [1] |

| Band | Mode | BWch (MHz) | Nant |
|--------------|-------------------|------------|------|
| 5.15-5.25GHz | 802.11a | 20 | 2TX |
| 5.15-5.25GHz | 802.11n HT20 | 20 | 2TX |
| 5.15-5.25GHz | 802.11n HT20-BF | 20 | 2TX |
| 5.15-5.25GHz | 802.11ac VHT20 | 20 | 2TX |
| 5.15-5.25GHz | 802.11ac VHT20-BF | 20 | 2TX |
| 5.15-5.25GHz | 802.11ax HEW20 | 20 | 2TX |
| 5.15-5.25GHz | 802.11ax HEW20-BF | 20 | 2TX |
| 5.15-5.25GHz | 802.11be EHT20 | 20 | 2TX |
| 5.15-5.25GHz | 802.11be EHT20-BF | 20 | 2TX |
| 5.15-5.25GHz | 802.11n HT40 | 40 | 2TX |
| 5.15-5.25GHz | 802.11n HT40-BF | 40 | 2TX |
| 5.15-5.25GHz | 802.11ac VHT40 | 40 | 2TX |
| 5.15-5.25GHz | 802.11ac VHT40-BF | 40 | 2TX |
| 5.15-5.25GHz | 802.11ax HEW40 | 40 | 2TX |
| 5.15-5.25GHz | 802.11ax HEW40-BF | 40 | 2TX |
| 5.15-5.25GHz | 802.11be EHT40 | 40 | 2TX |
| 5.15-5.25GHz | 802.11be EHT40-BF | 40 | 2TX |
| 5.15-5.25GHz | 802.11ac VHT80 | 80 | 2TX |
| 5.15-5.25GHz | 802.11ac VHT80-BF | 80 | 2TX |
| 5.15-5.25GHz | 802.11ax HEW80 | 80 | 2TX |
| 5.15-5.25GHz | 802.11ax HEW80-BF | 80 | 2TX |
| 5.15-5.25GHz | 802.11 be EHT80 | 80 | 2TX |



| Band | Mode | BWch (MHz) | Nant |
|---------------|--------------------|------------|------|
| 5.15-5.25GHz | 802.11 be EHT80-BF | 80 | 2TX |
| 5.725-5.85GHz | 802.11a | 20 | 2TX |
| 5.725-5.85GHz | 802.11n HT20 | 20 | 2TX |
| 5.725-5.85GHz | 802.11n HT20-BF | 20 | 2TX |
| 5.725-5.85GHz | 802.11ac VHT20 | 20 | 2TX |
| 5.725-5.85GHz | 802.11ac VHT20-BF | 20 | 2TX |
| 5.725-5.85GHz | 802.11ax HEW20 | 20 | 2TX |
| 5.725-5.85GHz | 802.11ax HEW20-BF | 20 | 2TX |
| 5.725-5.85GHz | 802.11be EHT20 | 20 | 2TX |
| 5.725-5.85GHz | 802.11be EHT20-BF | 20 | 2TX |
| 5.725-5.85GHz | 802.11n HT40 | 40 | 2TX |
| 5.725-5.85GHz | 802.11n HT40-BF | 40 | 2TX |
| 5.725-5.85GHz | 802.11ac VHT40 | 40 | 2TX |
| 5.725-5.85GHz | 802.11ac VHT40-BF | 40 | 2TX |
| 5.725-5.85GHz | 802.11ax HEW40 | 40 | 2TX |
| 5.725-5.85GHz | 802.11ax HEW40-BF | 40 | 2TX |
| 5.725-5.85GHz | 802.11be EHT40 | 40 | 2TX |
| 5.725-5.85GHz | 802.11be EHT40-BF | 40 | 2TX |
| 5.725-5.85GHz | 802.11ac VHT80 | 80 | 2TX |
| 5.725-5.85GHz | 802.11ac VHT80-BF | 80 | 2TX |
| 5.725-5.85GHz | 802.11ax HEW80 | 80 | 2TX |
| 5.725-5.85GHz | 802.11ax HEW80-BF | 80 | 2TX |
| 5.725-5.85GHz | 802.11 be EHT80 | 80 | 2TX |
| 5.725-5.85GHz | 802.11 be EHT80-BF | 80 | 2TX |

Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ HEW20, HEW40, HEW80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ EHT20, EHT40, EHT80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM modulation.
- ♦ BWch is the nominal channel bandwidth.



1.1.2 Antenna Information

| Ant. | Port | | | | Brand | Model Name | Ant. Type | Connector | Support Band |
|------|--------|-----------------|-----------------|------|---------|------------|-----------|-----------|---------------------------|
| | 2.4GHz | 5GHz | | 6GHz | | | | | |
| | | UNII1 UNII2A | UNII2C UNII3 | | | | | | |
| 1 | - | 2 | - | - | Wanshih | WPB866 | DIPOLE | I-PEX | 5GHz UNII 1, 2A |
| 2 | 1 | - | 1 | - | Wanshih | WPB867 | DIPOLE | I-PEX | 2.4GHz/5GHz UNII 2C, 3 |
| 3 | - | 1 | - | - | Wanshih | WPB868 | DIPOLE | I-PEX | 5GHz UNII 1, 2A |
| 4 | 2 | - | 2 | - | Wanshih | WPB869 | DIPOLE | I-PEX | 2.4GHz/5GHz UNII 2C, 3 |
| 5 | - | - | - | 2 | Wanshih | WPB870 | DIPOLE | I-PEX | 6GHz |
| 6 | - | - | - | 1 | Wanshih | WPB871 | DIPOLE | I-PEX | 6GHz |
| 7 | - | - | - | 4 | Wanshih | WPB872 | DIPOLE | I-PEX | 6GHz |
| 8 | - | - | - | 3 | Wanshih | WPB873 | DIPOLE | I-PEX | 6GHz |

| Ant. | Antenna Gain (dBi) | | | Ant. | Antenna Gain (dBi) |
|------|--------------------|---------------------|---------------------|------|--------------------|
| | 2.4GHz | 5GHz UNII1 / UNII2A | 5GHz UNII2C / UNII3 | | 6GHz |
| 1 | - | 4.92 | - | 5 | 4.94 |
| 2 | 4.14 | - | 4.75 | 6 | 5.68 |
| 3 | - | 4.78 | - | 7 | 4.77 |
| 4 | 2.64 | - | 4.60 | 8 | 5.83 |

Note 1: The above information was declared by manufacturer.
 Note 2: The DFS band and 6GHz doesn't enable at this time.

<For WLAN 2.4GHz>

For IEEE 802.11b/g/n/VHT mode (2TX/2RX)

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For WLAN 5GHz>

For IEEE 802.11a/n/ac/ax/be mode (2TX/2RX)

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For WLAN 6GHz>

For IEEE 802.11ax/be mode (4TX/4RX)

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.



Note3: Directional gain information

| Type | Maximum Output Power | Power Spectral Density |
|--------|---|---|
| Non-BF | Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4 | $Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left[\sum_{k=1}^{N_{ANT}} g_{j,k} \right]^2}{N_{ANT}} \right]$ |
| BF | $Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left[\sum_{k=1}^{N_{ANT}} g_{j,k} \right]^2}{N_{ANT}} \right]$ | $Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left[\sum_{k=1}^{N_{ANT}} g_{j,k} \right]^2}{N_{ANT}} \right]$ |

Ex.

Directional Gain (NSS1) formula :

$$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left[\sum_{k=1}^{N_{ANT}} g_{j,k} \right]^2}{N_{ANT}} \right]$$

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20} ; NSS1(g1,3) = 10^{G3/20} ; NSS1(g1,4) = 10^{G4/20}$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2$$

$$DG = 10 \log \left[\frac{(NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2}{N_{ANT}} \right] \Rightarrow 10$$

$$\log \left[\frac{(10^{G1/20} + 10^{G2/20} + 10^{G3/20} + 10^{G4/20})^2}{N_{ANT}} \right]$$

Where ;

$$2.4G\ G1 = 4.14\ dBi ; G2 = 2.64\ dBi ; DG = 6.43dBi$$

$$5G\ UNII-1\ G1 = 4.92\ dBi ; G2 = 4.78\ dBi ; DG = 7.86dBi$$

$$5G\ UNII-2A\ G1 = 4.92\ dBi ; G2 = 4.78\ dBi ; DG = 7.86dBi$$

$$5G\ UNII-2C\ G1 = 4.75\ dBi ; G2 = 4.60\ dBi ; DG = 7.69dBi$$

$$5G\ UNII-3\ G1 = 4.75\ dBi ; G2 = 4.60\ dBi ; DG = 7.69dBi$$

$$6G\ UNII-4\ G1 = 4.94\ dBi ; G2 = 5.68\ dBi ; G3 = 4.77\ dBi ; G4 = 5.83\ dBi ; DG = 11.34dBi$$

$$6G\ UNII-5\ G1 = 4.94\ dBi ; G2 = 5.68\ dBi ; G3 = 4.77\ dBi ; G4 = 5.83\ dBi ; DG = 11.34dBi$$

$$6G\ UNII-6\ G1 = 4.94\ dBi ; G2 = 5.68\ dBi ; G3 = 4.77\ dBi ; G4 = 5.83\ dBi ; DG = 11.34dBi$$

$$6G\ UNII-7\ G1 = 4.94\ dBi ; G2 = 5.68\ dBi ; G3 = 4.77\ dBi ; G4 = 5.83\ dBi ; DG = 11.34dBi$$



1.1.3 Mode Test Duty Cycle

| Mode | DC | DCF(dB) | T(s) |
|----------------|-------|---------|-------|
| 802.11a | 0.93 | 0.32 | 2m |
| 802.11be EHT20 | 0.802 | 0.96 | 5.52m |
| 802.11be EHT40 | 0.8 | 0.97 | 5.52m |
| 802.11be EHT80 | 0.8 | 0.97 | 5.52m |

Note:

- ◆ DC is Duty Cycle.
- ◆ DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

| | | | | |
|------------------------------------|--|---------------------|-------------------------------------|---------------------|
| EUT Power Type | From Power Adapter | | | |
| Beamforming Function | <input checked="" type="checkbox"/> | With beamforming | <input type="checkbox"/> | Without beamforming |
| | The product has beamforming function for n/VHT/ax in 2.4GHz, n/ac/ax/be in 5GHz UNII 1,3 | | | |
| Function | <input type="checkbox"/> | Outdoor P2M | <input checked="" type="checkbox"/> | Indoor P2M |
| | <input type="checkbox"/> | Fixed P2P | <input type="checkbox"/> | Client |
| | <input checked="" type="checkbox"/> | Point-to-multipoint | <input type="checkbox"/> | Point-to-point |
| Channel Puncturing Function | <input type="checkbox"/> | Supported | <input checked="" type="checkbox"/> | Unsupported |
| Support RU | <input checked="" type="checkbox"/> | Full RU | <input type="checkbox"/> | Partial RU |
| Test Software Version | QSPR(Version 5.0-00202) | | | |

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
- ◆ ANSI C63.10-2013
- ◆ FCC KDB 789033 D02 v02r01

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

- ◆ FCC KDB 662911 D01 v02r01
- ◆ FCC KDB 412172 D01 v01r01
- ◆ 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.) TEL: 886-3-656-9065 FAX: 886-3-656-9085 Test site Designation No. TW3787 with FCC. Conformity Assessment Body Identifier (CABID) TW3787 with ISED. |

| Test Condition | Test Site No. | Test Engineer | Test Environment (°C / %) | Test Date |
|------------------------|---------------|---------------|---------------------------|---------------------------------|
| RF Conducted | TH01-CB | Mason Chen | 22~26 / 51~55 | Mar. 02, 2023~ Mar. 03, 2023 |
| Radiated <Below 1GHz> | 03CH01-CB | Ederson Huang | 20.2-21.3 / 66-67 | Feb. 27, 2023~ Mar. 24, 2023 |
| Radiated <Co-location> | 03CH06-CB | Ederson Huang | 20-21 / 65-68 | Feb. 27, 2023~ Mar. 24, 2023 |
| Radiated <Above 1GHz> | 03CH01-CB | Ederson Huang | 20.6~22.6 / 63~66 | Feb. 27, 2023~ Mar. 24, 2023 |
| AC Conduction | CO01-CB | Elvin Yeh | 22~23 / 50~51 | Mar. 22, 2023 |



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

| Mode | Power Setting |
|-----------------------------------|---------------|
| 802.11a_Nss1,(6Mbps)_2TX | - |
| 5180MHz | 22 |
| 5200MHz | 24.5 |
| 5240MHz | 25 |
| 5745MHz | 28 |
| 5785MHz | 28 |
| 5825MHz | 28 |
| 802.11be EHT20_Nss1,(MCS0)_2TX | - |
| 5180MHz | 22.5 |
| 5200MHz | 25.5 |
| 5240MHz | 25 |
| 5745MHz | 28 |
| 5785MHz | 28 |
| 5825MHz | 28 |
| 802.11be EHT40_Nss1,(MCS0)_2TX | - |
| 5190MHz | 18.5 |
| 5230MHz | 25.5 |
| 5755MHz | 23 |
| 5795MHz | 28 |
| 802.11be EHT80_Nss1,(MCS0)_2TX | - |
| 5210MHz | 19.5 |
| 5775MHz | 22.5 |
| 802.11be EHT20-BF_Nss1,(MCS0)_2TX | - |
| 5180MHz | 22.5 |
| 5200MHz | 25.5 |
| 5240MHz | 25 |
| 5745MHz | 26.5 |
| 5785MHz | 27.5 |
| 5825MHz | 27.5 |
| 802.11be EHT40-BF_Nss1,(MCS0)_2TX | - |
| 5190MHz | 18.5 |
| 5230MHz | 25.5 |
| 5755MHz | 23 |
| 5795MHz | 28 |
| 802.11be EHT80-BF_Nss1,(MCS0)_2TX | - |
| 5210MHz | 19.5 |



| Mode | Power Setting |
|---------|---------------|
| 5775MHz | 22.5 |

Note:

- ♦ Evaluated EHT20/EHT40/EHT80 mode only. Due to similar modulation, The power setting of HT20/HT40/VHT20/VHT40/VHT80/HEW20/HEW40/HEW80 mode are the same or lower than EHT20/EHT40 /EHT80.
- ♦ The EUT supports non-beamforming and beamforming modes, after evaluating, the non-beamforming mode has been evaluated to be the worst case, so it was selected to test. 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 Test Voltage: 120Vac / 60Hz |
| Operating Mode | CTX |
| 1 | EUT_WLAN 2.4GHz + Adapter 1 |
| 2 | EUT_WLAN 2.4GHz + Adapter 2 |
| Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 will follow this same test mode. | |
| 3 | EUT_WLAN 5GHz + Adapter 1 |
| For operating mode 3 is the worst case and it was record in this test report. | |

| The Worst Case Mode for Following Conformance Tests | |
|---|--|
| Tests Item | Emission Bandwidth Maximum Output Power Power Spectral Density Unwanted Emissions |
| Test Condition | Conducted measurement at transmit chains |



| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| Tests Item | Unwanted Emissions |
| Test Condition | Radiated measurement 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 |
| The EUT was performed at X axis, Y axis and Z axis position for Radiated measurement<Above 1GHz>, and the worst case was found at X axis position for 2.4GHz, Y axis position for 5GHz. Thus the measurement will follow the same test configuration. | |
| 1 | EUT in X axis_WLAN 2.4GHz + Adapter 1 |
| 2 | EUT in X axis_WLAN 2.4GHz + Adapter 2 |
| Mode 2 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 will follow this same test mode. | |
| 3 | EUT in Y axis: WLAN 5GHz + Adapter 2 |
| For operating mode 3 is the worst case and it was record in this test report. | |
| Operating Mode > 1GHz | CTX |
| The EUT was performed at X axis, Y axis and Z axis position, and the worst case as below: Thus the measurement will follow the same test configuration | |
| 1 | EUT in Z axis: UNII1 EUT in Y axis: UNII3 |

| 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 |
| The EUT was performed at X axis, Y axis and Z axis position for Radiated measurement<Above 1GHz>, the worst case was found at Y axis position. Thus the measurement will follow the same test configuration. | |
| 1 | EUT in Y axis_WLAN 2.4GHz + WLAN 5GHz High Band |
| Refer to Appendix F 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 | WLAN 2.4GHz + WLAN 5GHz |
| Refer to Sporton Test Report No.: FA321751 for Co-location RF Exposure Evaluation. | |



2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

| Accessories | | | |
|----------------|------------|-----------------------|---|
| Equipment Name | Brand Name | Model Name | Rating |
| Adapter 1 | MOSO | MS-V4000R120-050A0-US | INPUT: 100-240V ~ 50/60Hz, 1.3A max. OUTPUT: 12.0V, 4.0A |
| Adapter 2 | Frecom | F48L1-120400SPAU | INPUT: 100-240V ~ 50/60Hz, 1.4A OUTPUT: 12.0V, 4.0A, 48.0W |

2.5 Support Equipment

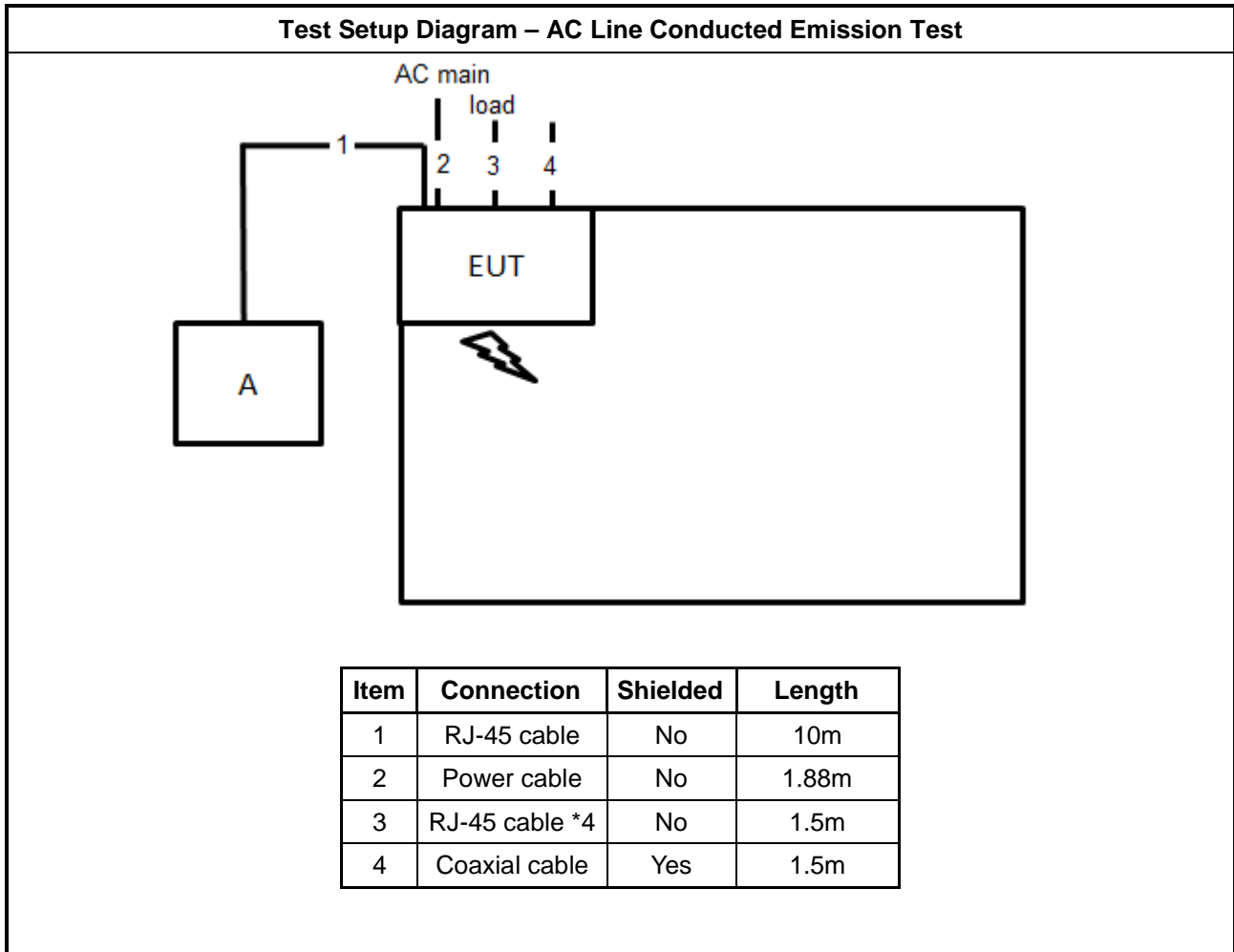
For AC Conduction:

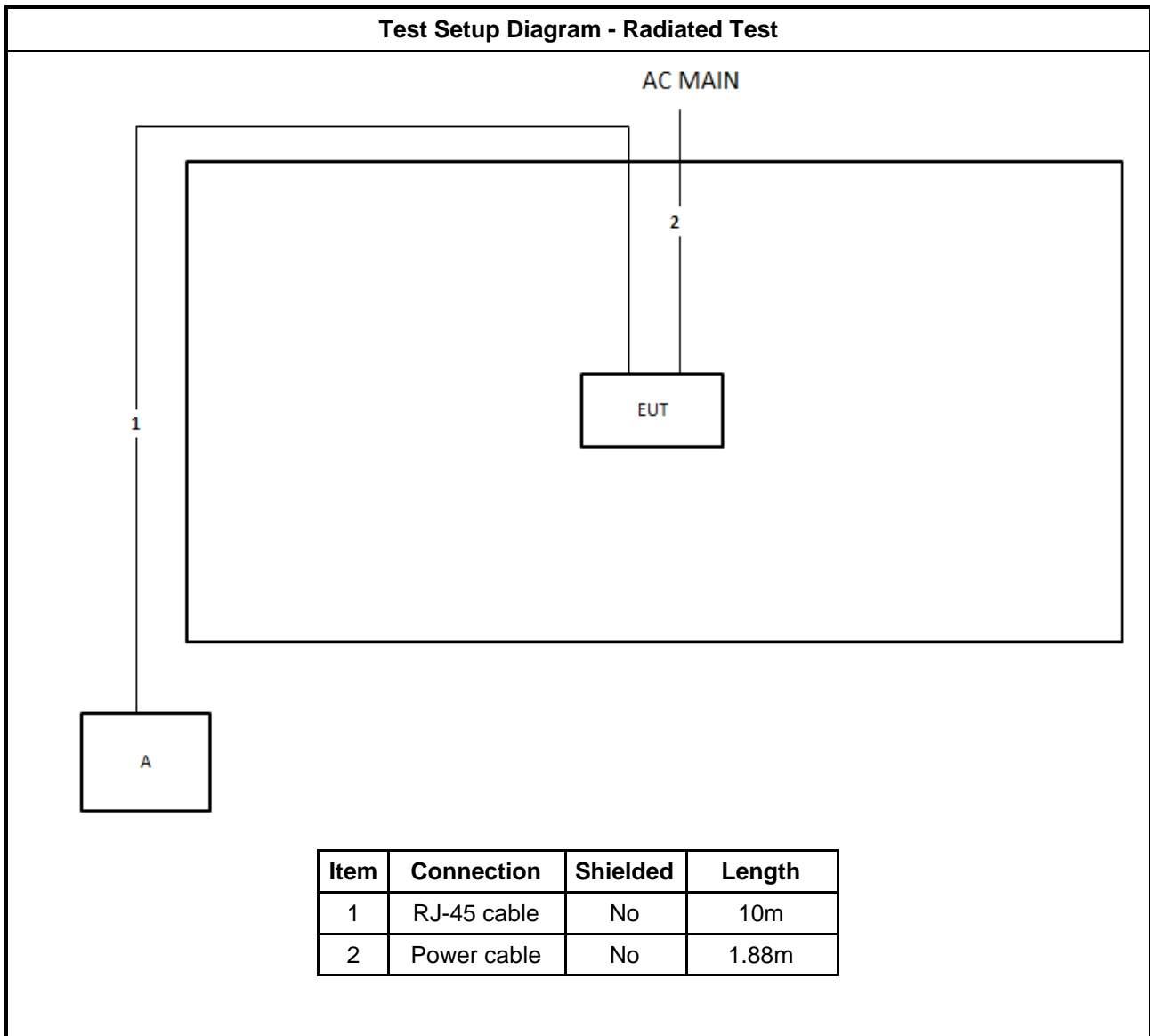
| Support Equipment | | | | |
|-------------------|-----------|------------|------------|--------|
| No. | Equipment | Brand Name | Model Name | FCC ID |
| A | LAN NB | Lenovo | L440 | N/A |

For Radiated and RF Conducted:

| Support Equipment | | | | |
|-------------------|-----------|------------|------------|--------|
| No. | Equipment | Brand Name | Model Name | FCC ID |
| A | NB | DELL | E4300 | N/A |

2.6 Test Setup Diagram







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.

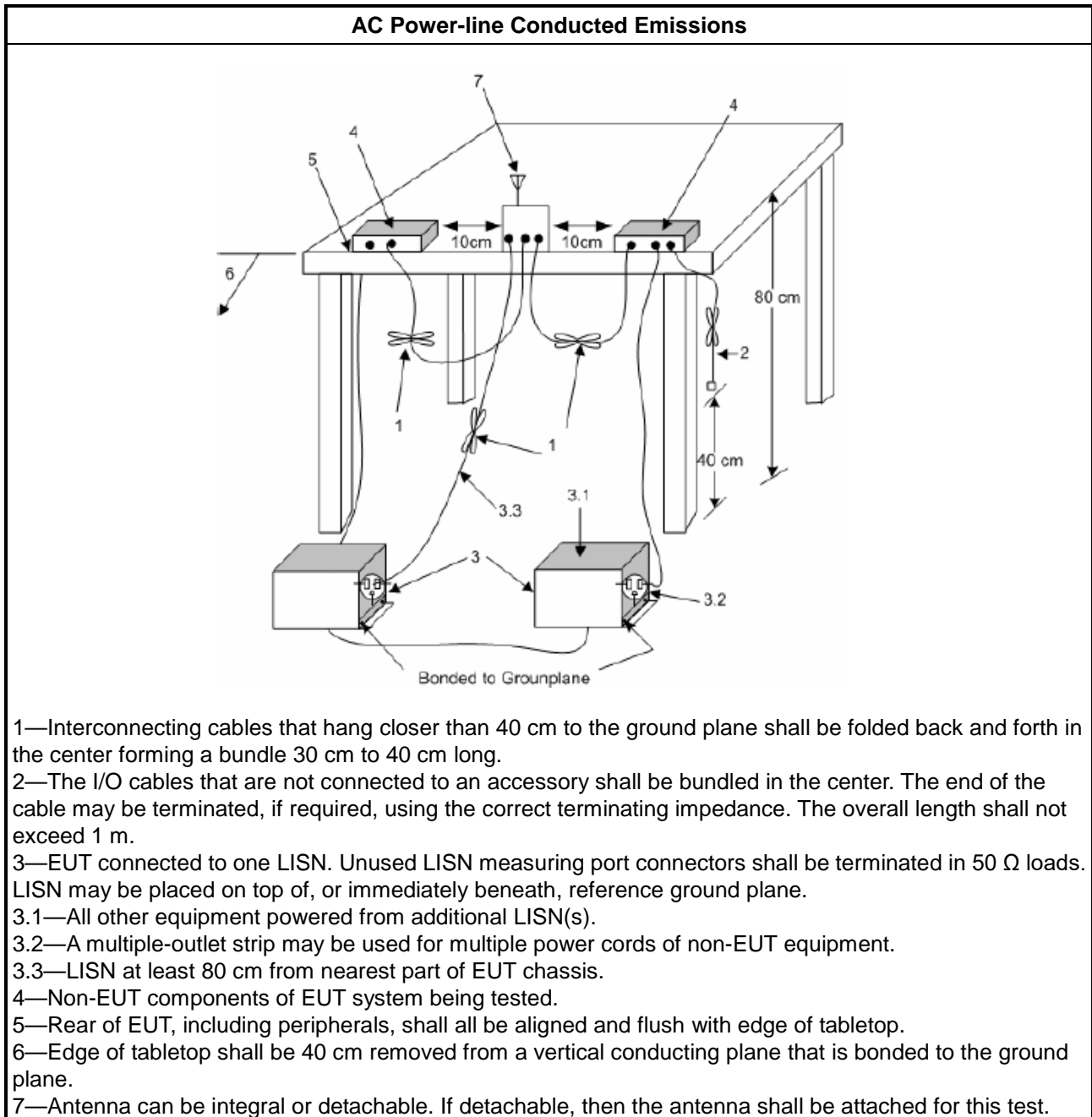
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

| Test Method |
|--|
| <input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions. |

3.1.4 Test Setup



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 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

| Emission Bandwidth Limit | |
|-------------------------------------|---|
| UNII Devices | |
| <input checked="" type="checkbox"/> | For the 5.15-5.25 GHz band, N/A |
| <input type="checkbox"/> | For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. |
| <input type="checkbox"/> | For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. |
| <input checked="" type="checkbox"/> | For the 5.725-5.85 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth ≥ 500kHz. |
| LE-LAN Devices | |
| <input type="checkbox"/> | For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz. |
| <input type="checkbox"/> | For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz |
| <input type="checkbox"/> | For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz |
| <input type="checkbox"/> | For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz. |

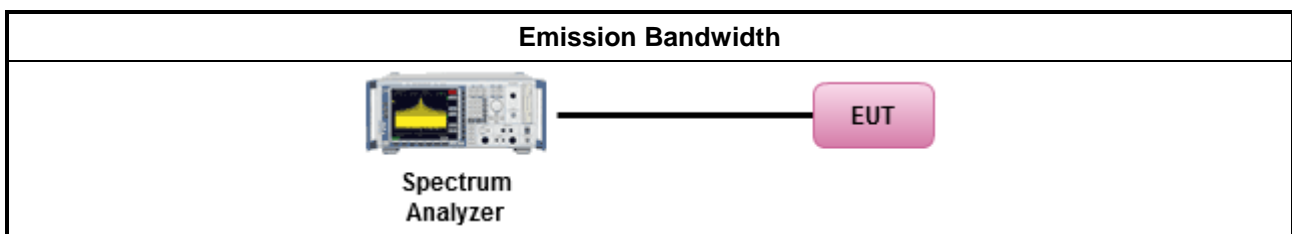
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

| Test Method | | | | | | | |
|---|---|-------------------------------------|---|--------------------------|--|--------------------------|--|
| <ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20px;"><input checked="" type="checkbox"/></td> <td>Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.</td> </tr> </table> | | <input checked="" type="checkbox"/> | Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement. | <input type="checkbox"/> | Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing. | <input type="checkbox"/> | Refer as IC RSS-Gen, clause 4.6 for bandwidth testing. |
| <input checked="" type="checkbox"/> | Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement. | | | | | | |
| <input type="checkbox"/> | Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing. | | | | | | |
| <input type="checkbox"/> | Refer as IC RSS-Gen, clause 4.6 for bandwidth testing. | | | | | | |

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Output Power

3.3.1 Limit

| Maximum Output Power Limit | |
|--|--|
| UNII Devices | |
| <input checked="" type="checkbox"/> | For the 5.15-5.25 GHz band: |
| <input type="checkbox"/> | <ul style="list-style-type: none"> ▪ Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm] ▪ Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ ▪ Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$. ▪ Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$. |
| <input type="checkbox"/> | For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$. |
| <input type="checkbox"/> | For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$. |
| <input checked="" type="checkbox"/> | For the 5.725-5.85 GHz band: |
| <input type="checkbox"/> | <ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. ▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. |
| LE-LAN Devices | |
| <input type="checkbox"/> | For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz. |
| <input type="checkbox"/> | For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz |
| <input type="checkbox"/> | For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz |
| <input type="checkbox"/> | For the 5.725-5.85 GHz band: |
| <input type="checkbox"/> | <ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. ▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. |
| P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi. | |

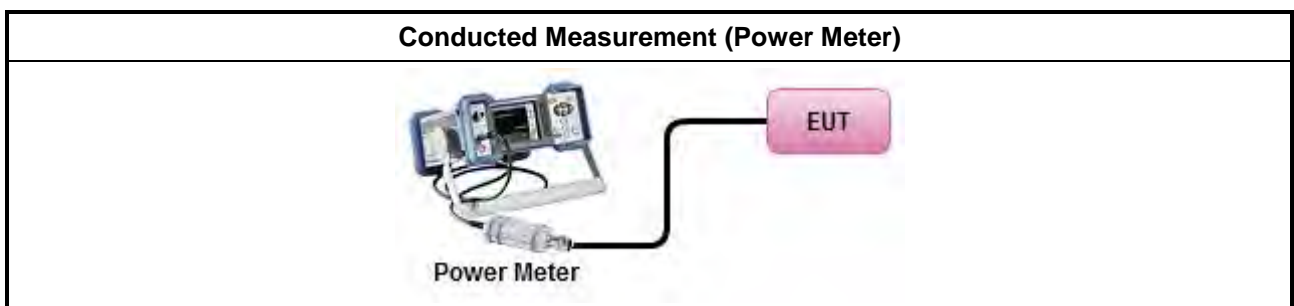
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

| Test Method | |
|-------------------------------------|--|
| | Average over on/off periods with duty factor |
| <input type="checkbox"/> | Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging). |
| <input type="checkbox"/> | Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed) |
| | Wideband RF power meter and average over on/off periods with duty factor |
| <input checked="" type="checkbox"/> | Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter). |
| <input checked="" type="checkbox"/> | For conducted measurement. |
| | <ul style="list-style-type: none"> If the EUT supports multiple transmit chains using options given below: 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. |
| | <ul style="list-style-type: none"> If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$ |
| <input type="checkbox"/> | For radiated measurement. |
| | <ul style="list-style-type: none"> Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing" Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation. |

3.3.4 Test Setup



3.3.5 Test Result of Maximum Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Limit

| Peak Power Spectral Density Limit | |
|--|--|
| UNII Devices | |
| <input checked="" type="checkbox"/> For the 5.15-5.25 GHz band: | |
| | <ul style="list-style-type: none"> ▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. ▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. ▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$. ▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$. |
| <input type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$. | |
| <input type="checkbox"/> For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$. | |
| <input checked="" type="checkbox"/> For the 5.725-5.85 GHz band: | |
| | <ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. ▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. |
| LE-LAN Devices | |
| <input type="checkbox"/> For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz. | |
| <input type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. | |
| | <ul style="list-style-type: none"> ▪ e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 ($\theta - 8$) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 ($\theta - 40$) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$ |
| <input type="checkbox"/> For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. | |
| <input type="checkbox"/> For the 5.725-5.85 GHz band: | |
| | <ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. ▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. |
| <p>PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz G_{TX} = the maximum transmitting antenna directional gain in dBi.</p> | |



3.4.2 Measuring Instruments

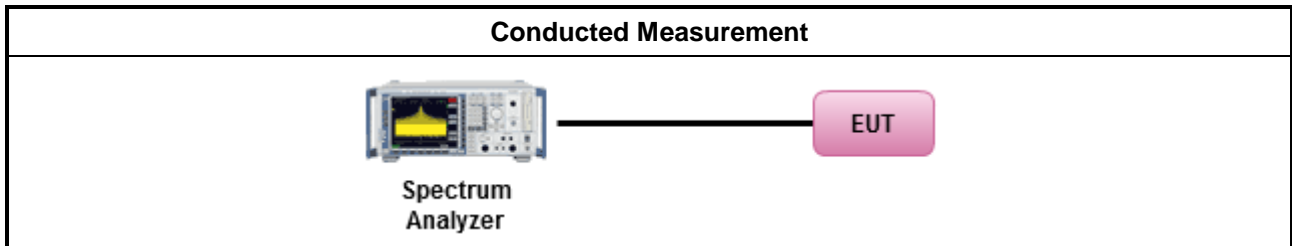
Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

| Test Method | |
|---|--|
| <ul style="list-style-type: none"> ▪ Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options: | |
| <input type="checkbox"/> | Refer as FCC KDB 789033 D02, F5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth |
| [duty cycle ≥ 98% or external video / power trigger] | |
| <input checked="" type="checkbox"/> | Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging). |
| <input type="checkbox"/> | Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed) |
| duty cycle < 98% and average over on/off periods with duty factor | |
| <input checked="" type="checkbox"/> | Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging). |
| <input type="checkbox"/> | Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed) |
| <input checked="" type="checkbox"/> | For conducted measurement. |
| <ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: | |
| <input checked="" type="checkbox"/> | 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. |
| <input type="checkbox"/> | 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, |
| <input type="checkbox"/> | 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. |
| <ul style="list-style-type: none"> ▪ If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$ | |
| <input type="checkbox"/> | For radiated measurement. |
| <ul style="list-style-type: none"> ▪ Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing" | |

| Test Method | |
|-------------|---|
| | ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. |
| | ▪ Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation. |

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

| Unwanted emissions below 1 GHz and restricted band emissions above 1GHz 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.

| Un-restricted band emissions above 1GHz Limit | |
|--|---|
| Operating Band | Limit |
| <input checked="" type="checkbox"/> 5.15 - 5.25 GHz | e.i.r.p. -27 dBm [68.2 dBuV/m @3m] |
| <input type="checkbox"/> 5.25 - 5.35 GHz | e.i.r.p. -27 dBm [68.2 dBuV/m @3m] |
| <input type="checkbox"/> 5.47 - 5.725 GHz | e.i.r.p. -27 dBm [68.2 dBuV/m @3m] |
| <input checked="" type="checkbox"/> 5.725 - 5.85 GHz | all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. |

Note 1: 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).

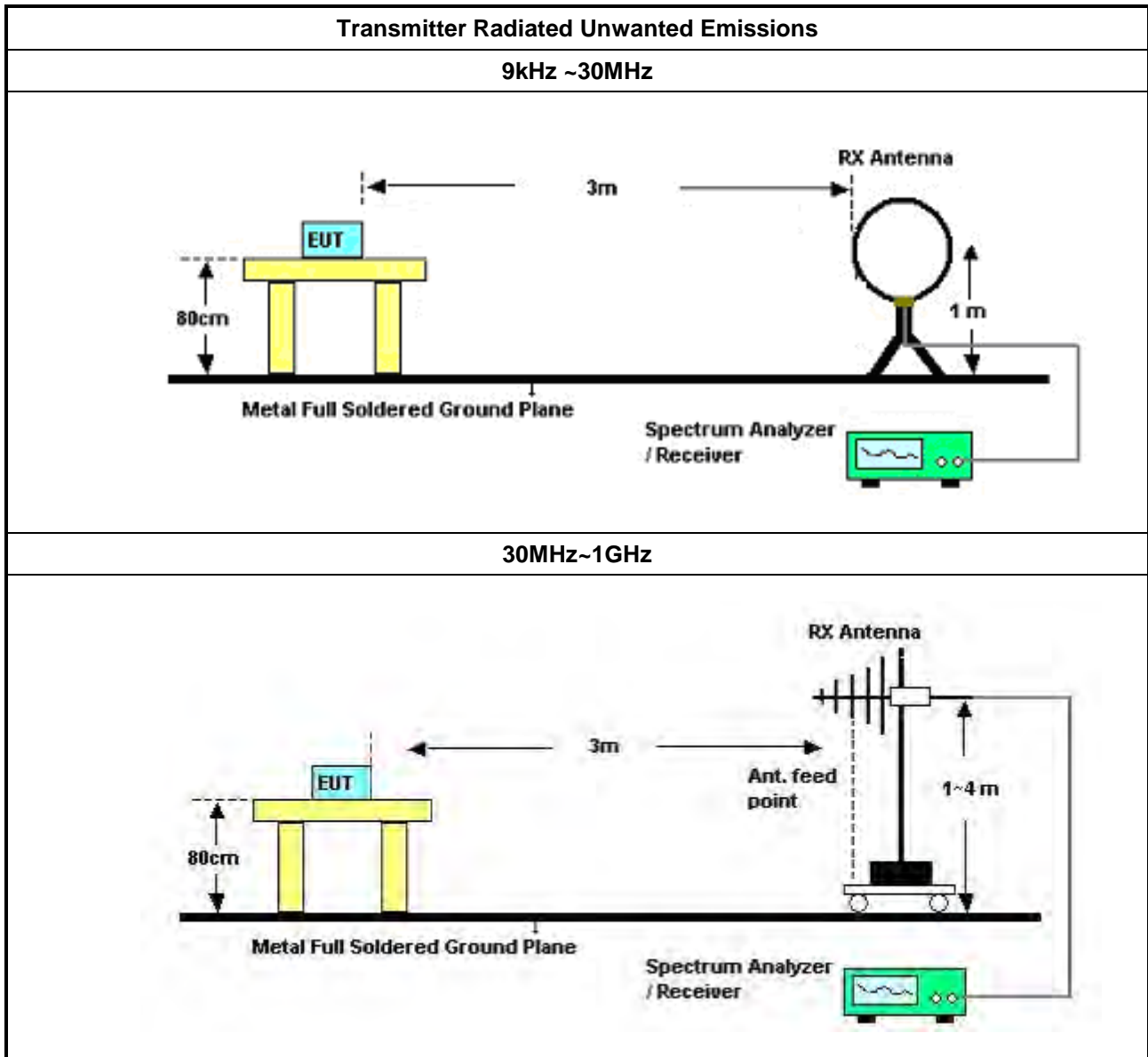
3.5.2 Measuring Instruments

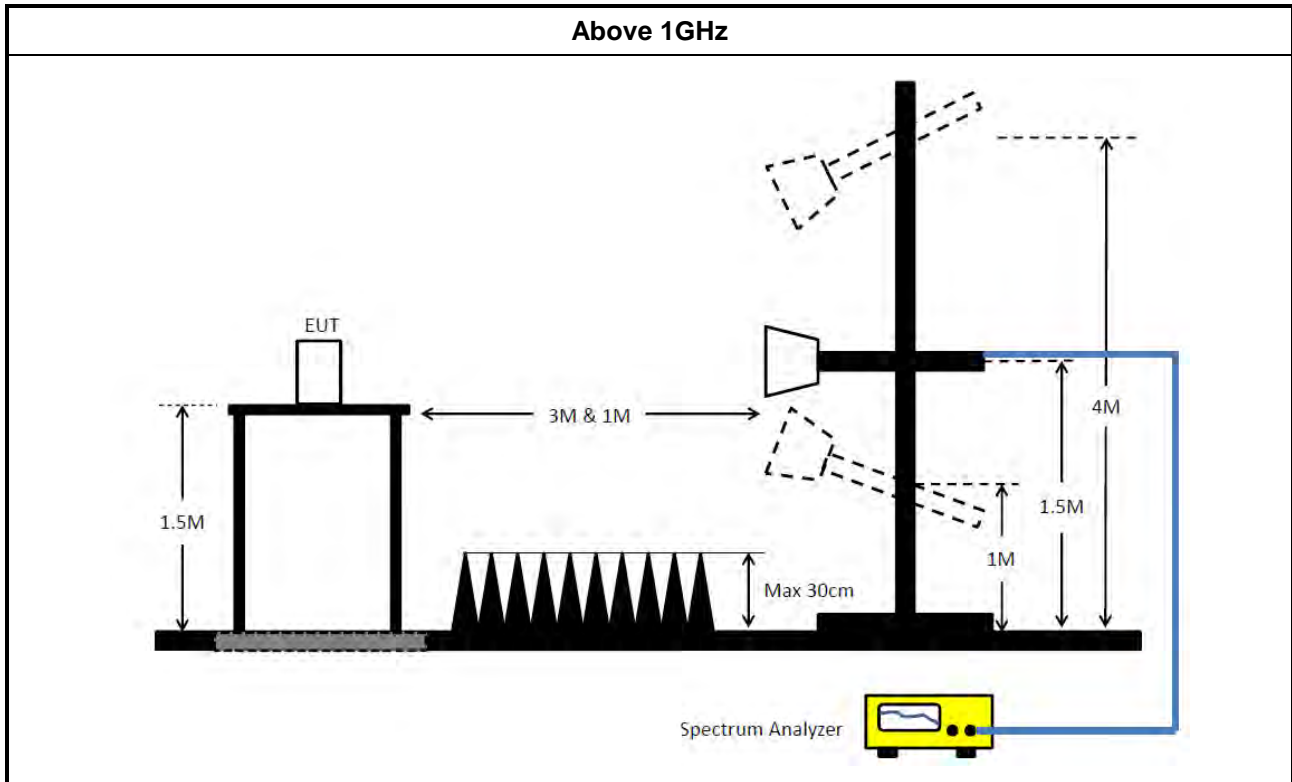
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

| Test Method | |
|-------------|--|
| | <ul style="list-style-type: none"> ▪ 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. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. 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). |
| | <ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor]. |
| | <ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below: |
| | <ul style="list-style-type: none"> ▪ Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands. ▪ Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands. |
| | <input type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging). |
| | <input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW). |
| | <input type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time. |
| | <input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions. |
| | <input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit. |
| | <input type="checkbox"/> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit. |
| | <ul style="list-style-type: none"> ▪ For radiated measurement. |
| | <ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m. ▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m. ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. |
| | <ul style="list-style-type: none"> ▪ The any unwanted emissions level shall not exceed the fundamental emission level. |
| | <ul style="list-style-type: none"> ▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported. |

3.5.4 Test Setup





3.5.5 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.

3.5.6 Transmitter Unwanted Emissions (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.

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

| Instrument | Brand | Model No. | Serial No. | Characteristics | Calibration Date | Calibration Due Date | Remark |
|-----------------------------------|---------------|-----------------|------------------|-------------------|------------------|----------------------|-----------------------|
| EMI Receiver | Agilent | N9038A | My52260123 | 9kHz ~ 8.4GHz | Feb. 20, 2023 | Feb. 19, 2024 | Conduction (CO01-CB) |
| LISN | Schwarzbeck | NSLK 8127 | 8127478 | 9kHz ~ 30MHz | Dec. 20, 2022 | Dec. 19, 2023 | Conduction (CO01-CB) |
| LISN | Schwarzbeck | NSLK 8127 | 8127647 | 9kHz ~ 30MHz | Apr. 12, 2022 | Apr. 11, 2023 | Conduction (CO01-CB) |
| Pulse Limiter | Rohde&Schwarz | ESH3-Z2 | 100430 | 9kHz ~ 30MHz | Feb. 09, 2023 | Feb. 08, 2024 | Conduction (CO01-CB) |
| COND Cable | Woken | Cable | Low cable-CO01 | 9kHz ~ 30MHz | Oct. 18, 2022 | Oct. 17, 2023 | Conduction (CO01-CB) |
| Software | SPORTON | SENSE | V5.10 | - | N.C.R. | N.C.R. | Conduction (CO01-CB) |
| Loop Antenna | Teseq | HLA 6120 | 24155 | 9kHz - 30 MHz | May 14, 2022 | May 13, 2023 | Radiation (03CH01-CB) |
| 3m Semi Anechoic Chamber NSA | TDK | SAC-3M | 03CH01-CB | 30 MHz ~ 1 GHz | Jan. 16, 2023 | Jan. 15, 2024 | Radiation (03CH01-CB) |
| 3m Semi Anechoic Chamber VSWR | TDK | SAC-3M | 03CH01-CB | 1GHz ~18GHz 3m | May 06, 2022 | May 05, 2023 | Radiation (03CH01-CB) |
| BILOG ANTENNA with 6dB Attenuator | TESEQ & EMCI | CBL6112D N-6-06 | 37880 & AT-N0609 | 20MHz ~ 2GHz | Feb. 19, 2023 | Feb. 18, 2024 | 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) |
| Amplifier | EMCI | EMC330N | 980332 | 20MHz ~ 3GHz | Jul. 01, 2022 | Jun. 30, 2023 | Radiation (03CH01-CB) |
| Pre-Amplifier | Agilent | 8449B | 3008A02121 | 1GHz ~ 26.5GHz | May 19, 2022 | May 18, 2023 | Radiation (03CH01-CB) |
| Pre-Amplifier | SGH | SGH184 | 20221107-3 | 18GHz ~ 40GHz | Nov. 16, 2022 | Nov. 15, 2023 | Radiation (03CH01-CB) |
| Spectrum Analyzer | R&S | FSP40 | 100056 | 9kHz ~ 40GHz | May 06, 2022 | May 05, 2023 | Radiation (03CH01-CB) |
| EMI Test Receiver | R&S | ESCS | 826547/017 | 9kHz ~ 2.75GHz | Jun. 17, 2022 | Jun. 16, 2023 | Radiation (03CH01-CB) |
| RF Cable-low | Woken | RG402 | Low Cable-16+17 | 30 MHz ~ 1 GHz | Oct. 03, 2022 | Oct. 02, 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+6 | 1GHz ~ 40 GHz | Dec. 07, 2022 | Dec. 06, 2023 | Radiation (03CH01-CB) |



| Instrument | Brand | Model No. | Serial No. | Characteristics | Calibration Date | Calibration Due Date | Remark |
|-------------------------------|-------------|-----------|---------------------|---------------------|------------------|----------------------|-----------------------|
| High Cable | Woken | WCA0929M | 40G#5 | 1GHz ~ 40 GHz | Dec. 07, 2022 | Dec. 06, 2023 | Radiation (03CH01-CB) |
| High Cable | Woken | WCA0929M | 40G#6 | 1GHz ~ 40 GHz | Dec. 07, 2022 | Dec. 06, 2023 | Radiation (03CH01-CB) |
| Test Software | SPORTON | SENSE | V5.10 | - | N.C.R. | N.C.R. | Radiation (03CH01-CB) |
| 3m Semi Anechoic Chamber VSWR | TDK | SAC-3M | 03CH06-CB | 1GHz ~18GHz 3m | Sep. 30, 2022 | Sep. 29, 2023 | Radiation (03CH06-CB) |
| Horn Antenna | SCHWARZBECK | BBHA9120D | BBHA 9120D-1292 | 1GHz~18GHz | Aug. 09, 2022 | Aug. 08, 2023 | Radiation (03CH06-CB) |
| Horn Antenna | Schwarzbeck | BBHA 9170 | BBHA9170252 | 15GHz ~ 40GHz | Aug. 22, 2022 | Aug. 21, 2023 | Radiation (03CH06-CB) |
| Pre-Amplifier | Agilent | 83017A | MY53270064 | 0.5GHz ~ 26.5GHz | Aug 02, 2022 | Aug 01, 2023 | Radiation (03CH06-CB) |
| Pre-Amplifier | SGH | SGH184 | 20221107-3 | 18GHz ~ 40GHz | Nov. 16, 2022 | Nov. 15, 2023 | Radiation (03CH06-CB) |
| Signal Analyzer | R&S | FSV40 | 101904 | 9kHz ~ 40GHz | Apr. 26, 2022 | Apr. 25, 2023 | Radiation (03CH06-CB) |
| RF Cable-high | Woken | RG402 | High Cable-68 | 1GHz~18GHz | Oct. 03, 2022 | Oct. 02, 2023 | Radiation (03CH06-CB) |
| RF Cable-high | Woken | RG402 | High Cable-05+68 | 1GHz~18GHz | Dec. 21, 2022 | Dec. 20, 2023 | Radiation (03CH06-CB) |
| High Cable | Woken | WCA0929M | 40G#5+6 | 1GHz ~ 40 GHz | Dec. 07, 2022 | Dec. 06, 2023 | Radiation (03CH06-CB) |
| High Cable | Woken | WCA0929M | 40G#5 | 1GHz ~ 40 GHz | Dec. 07, 2022 | Dec. 06, 2023 | Radiation (03CH06-CB) |
| High Cable | Woken | WCA0929M | 40G#6 | 1GHz ~ 40 GHz | Dec. 07, 2022 | Dec. 06, 2023 | Radiation (03CH06-CB) |
| Test Software | SPORTON | SENSE | V5.10 | - | N.C.R. | N.C.R. | Radiation (03CH06-CB) |
| Spectrum analyzer | R&S | FSV40 | 100979 | 9kHz~40GHz | May 27, 2022 | May 26, 2023 | Conducted (TH01-CB) |
| Switch | SPTCB | SP-SWI | SWI-01 | 1 GHz ~26.5 GHz | Oct. 04, 2022 | Oct. 03, 2023 | Conducted (TH01-CB) |
| RF Cable-high | Woken | RG402 | High Cable-06 | 1 GHz ~ 18 GHz | Oct. 03, 2022 | Oct. 02, 2023 | Conducted (TH01-CB) |
| RF Cable-high | Woken | RG402 | High Cable-07 | 1 GHz ~ 18 GHz | Oct. 03, 2022 | Oct. 02, 2023 | Conducted (TH01-CB) |
| RF Cable-high | Woken | RG402 | High Cable-08 | 1 GHz ~ 18 GHz | Oct. 03, 2022 | Oct. 02, 2023 | Conducted (TH01-CB) |
| RF Cable-high | Woken | RG402 | High Cable-09 | 1 GHz ~ 18 GHz | Oct. 03, 2022 | Oct. 02, 2023 | Conducted (TH01-CB) |
| RF Cable-high | Woken | RG402 | High Cable-10 | 1 GHz ~ 18 GHz | Oct. 03, 2022 | Oct. 02, 2023 | Conducted (TH01-CB) |
| RF Cable-high | Woken | RG402 | High Cable-30 | 1 GHz ~ 18 GHz | Oct. 03, 2022 | Oct. 02, 2023 | Conducted (TH01-CB) |



| Instrument | Brand | Model No. | Serial No. | Characteristics | Calibration Date | Calibration Due Date | Remark |
|---------------|---------|-----------|------------|-----------------|------------------|----------------------|---------------------|
| Power Sensor | Agilent | E9327A | US40442088 | 50MHz~18GHz | Feb. 22, 2023 | Feb. 21, 2024 | Conducted (TH01-CB) |
| Power Meter | Agilent | E4416A | GB41291199 | 50MHz~18GHz | Feb. 22, 2023 | Feb. 21, 2024 | Conducted (TH01-CB) |
| Test Software | SPORTON | SENSE | V5.10 | - | N.C.R. | N.C.R. | Conducted (TH01-CB) |

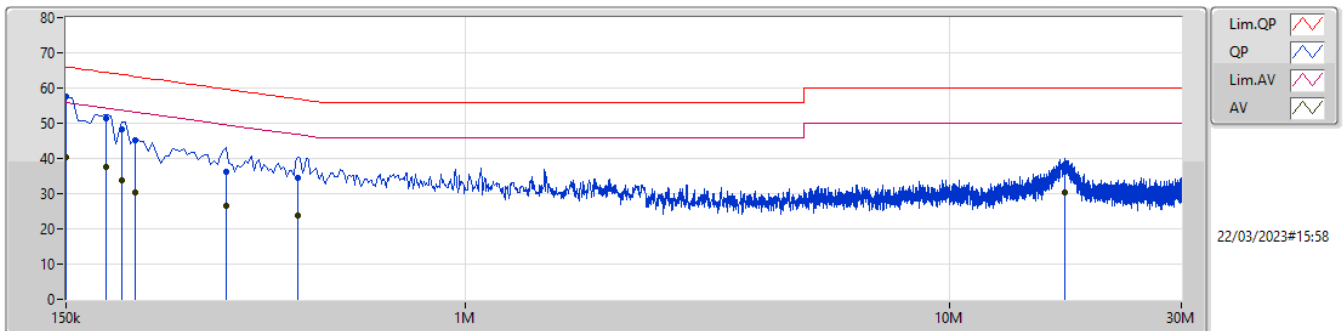
Note: Calibration Interval of instruments listed above is one year.



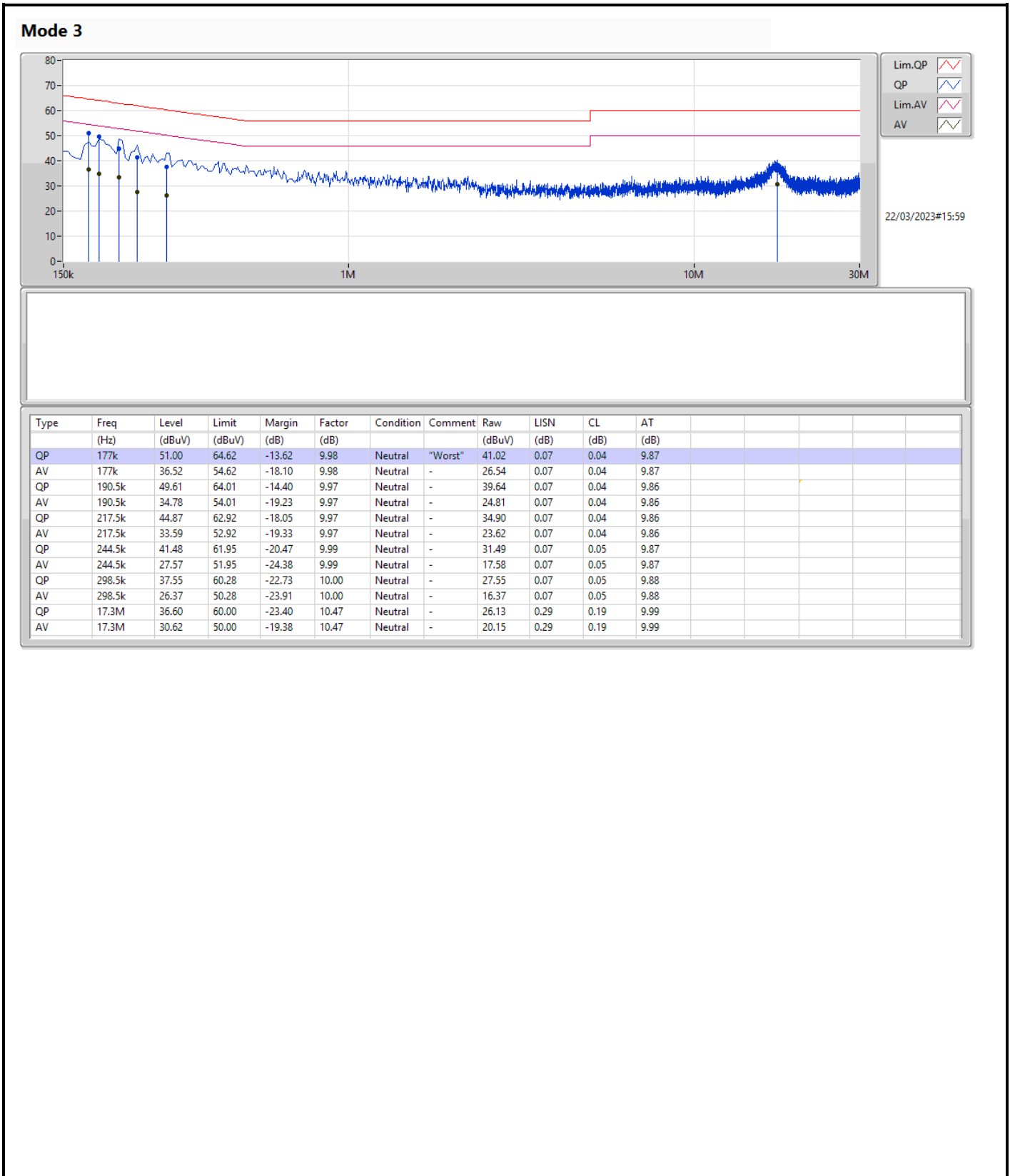
Summary

| Mode | Result | Type | Freq (Hz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Condition |
|--------|--------|------|-----------|--------------|--------------|-------------|-----------|
| Mode 3 | Pass | QP | 150k | 57.50 | 66.00 | -8.50 | Line |

Mode 3



| Type | Freq (Hz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Factor (dB) | Condition | Comment | Raw (dBuV) | LISN (dB) | CL (dB) | AT (dB) |
|------|-----------|--------------|--------------|-------------|-------------|-----------|---------|------------|-----------|---------|---------|
| QP | 150k | 57.50 | 66.00 | -8.50 | 9.97 | Line | "Worst" | 47.53 | 0.06 | 0.04 | 9.87 |
| AV | 150k | 40.40 | 56.00 | -15.60 | 9.97 | Line | - | 30.43 | 0.06 | 0.04 | 9.87 |
| QP | 181.5k | 51.37 | 64.41 | -13.04 | 9.96 | Line | - | 41.41 | 0.06 | 0.04 | 9.86 |
| AV | 181.5k | 37.46 | 54.41 | -16.95 | 9.96 | Line | - | 27.50 | 0.06 | 0.04 | 9.86 |
| QP | 195k | 48.33 | 63.82 | -15.49 | 9.96 | Line | - | 38.37 | 0.06 | 0.04 | 9.86 |
| AV | 195k | 33.90 | 53.82 | -19.92 | 9.96 | Line | - | 23.94 | 0.06 | 0.04 | 9.86 |
| QP | 208.5k | 45.19 | 63.27 | -18.08 | 9.96 | Line | - | 35.23 | 0.06 | 0.04 | 9.86 |
| AV | 208.5k | 30.48 | 53.27 | -22.79 | 9.96 | Line | - | 20.52 | 0.06 | 0.04 | 9.86 |
| QP | 321k | 36.07 | 59.67 | -23.60 | 10.00 | Line | - | 26.07 | 0.06 | 0.05 | 9.89 |
| AV | 321k | 26.72 | 49.67 | -22.95 | 10.00 | Line | - | 16.72 | 0.06 | 0.05 | 9.89 |
| QP | 451.5k | 34.41 | 56.84 | -22.43 | 10.02 | Line | - | 24.39 | 0.06 | 0.06 | 9.90 |
| AV | 451.5k | 23.74 | 46.84 | -23.10 | 10.02 | Line | - | 13.72 | 0.06 | 0.06 | 9.90 |
| QP | 17.268M | 36.29 | 60.00 | -23.71 | 10.46 | Line | - | 25.83 | 0.28 | 0.19 | 9.99 |
| AV | 17.268M | 30.22 | 50.00 | -19.78 | 10.46 | Line | - | 19.76 | 0.28 | 0.19 | 9.99 |



Summary

| Mode | Max-N dB (Hz) | Max-OBW (Hz) | ITU-Code | Min-N dB (Hz) | Min-OBW (Hz) |
|--------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 5.15-5.25GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_2TX | 37.56M | 18.529M | 18M5D1D | 26.19M | 16.745M |
| 802.11be EHT20_Nss1,(MCS0)_2TX | 48.48M | 19.806M | 19M8D1D | 26.67M | 19.1M |
| 802.11be EHT40_Nss1,(MCS0)_2TX | 67.26M | 39.611M | 39M6D1D | 43.74M | 38.083M |
| 802.11be EHT80_Nss1,(MCS0)_2TX | 89.76M | 78.047M | 78M0D1D | 87.48M | 77.695M |
| 5.725-5.85GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_2TX | 16.35M | 32.751M | 32M8D1D | 16.26M | 30.33M |
| 802.11be EHT20_Nss1,(MCS0)_2TX | 19.02M | 35.497M | 35M5D1D | 18.69M | 32.912M |
| 802.11be EHT40_Nss1,(MCS0)_2TX | 38.22M | 68.115M | 68M1D1D | 38.04M | 38.142M |
| 802.11be EHT80_Nss1,(MCS0)_2TX | 78.12M | 78.047M | 78M0D1D | 78M | 77.93M |

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 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) |
|--------------------------------|--------|------------|------------------|-----------------|------------------|-----------------|
| 802.11a_Nss1,(6Mbps)_2TX | - | - | - | - | - | - |
| 5180MHz | Pass | Inf | 28.26M | 16.924M | 26.19M | 16.745M |
| 5200MHz | Pass | Inf | 36.75M | 17.255M | 29.79M | 16.847M |
| 5240MHz | Pass | Inf | 35.91M | 17.306M | 37.56M | 18.529M |
| 5745MHz | Pass | 500k | 16.35M | 30.33M | 16.32M | 32.292M |
| 5785MHz | Pass | 500k | 16.35M | 31.069M | 16.35M | 31.961M |
| 5825MHz | Pass | 500k | 16.35M | 30.967M | 16.26M | 32.751M |
| 802.11be EHT20_Nss1,(MCS0)_2TX | - | - | - | - | - | - |
| 5180MHz | Pass | Inf | 35.28M | 19.1M | 26.67M | 19.159M |
| 5200MHz | Pass | Inf | 48.48M | 19.806M | 39.06M | 19.247M |
| 5240MHz | Pass | Inf | 38.01M | 19.277M | 43.86M | 19.571M |
| 5745MHz | Pass | 500k | 18.99M | 32.912M | 18.99M | 34.733M |
| 5785MHz | Pass | 500k | 19.02M | 33.793M | 19.02M | 34.645M |
| 5825MHz | Pass | 500k | 18.93M | 33.44M | 18.69M | 35.497M |
| 802.11be EHT40_Nss1,(MCS0)_2TX | - | - | - | - | - | - |
| 5190MHz | Pass | Inf | 45.42M | 39.611M | 43.74M | 38.083M |
| 5230MHz | Pass | Inf | 67.26M | 38.26M | 65.52M | 38.377M |
| 5755MHz | Pass | 500k | 38.1M | 38.142M | 38.04M | 38.142M |
| 5795MHz | Pass | 500k | 38.16M | 66.881M | 38.22M | 68.115M |
| 802.11be EHT80_Nss1,(MCS0)_2TX | - | - | - | - | - | - |
| 5210MHz | Pass | Inf | 89.76M | 78.047M | 87.48M | 77.695M |
| 5775MHz | Pass | 500k | 78M | 78.047M | 78.12M | 77.93M |

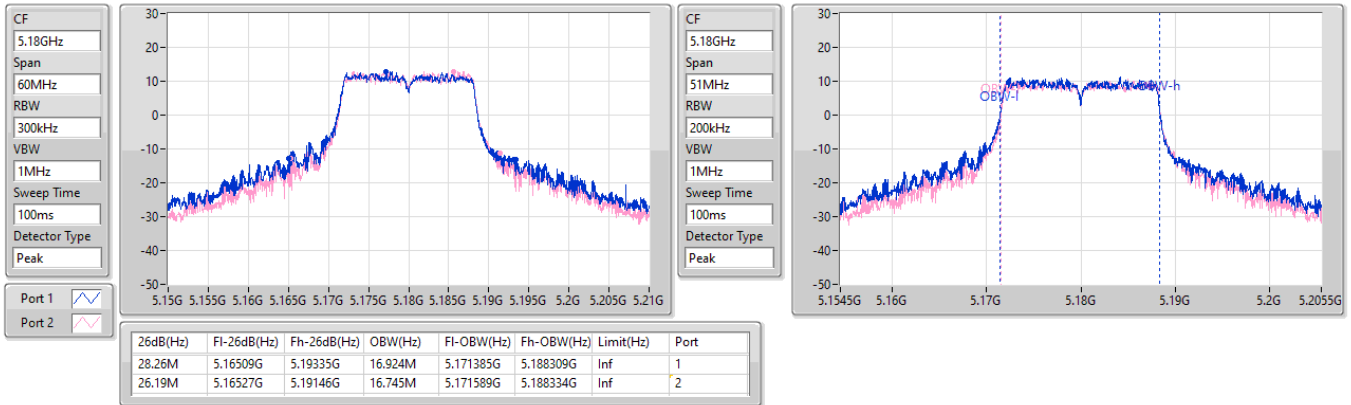
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5180MHz

02/03/2023

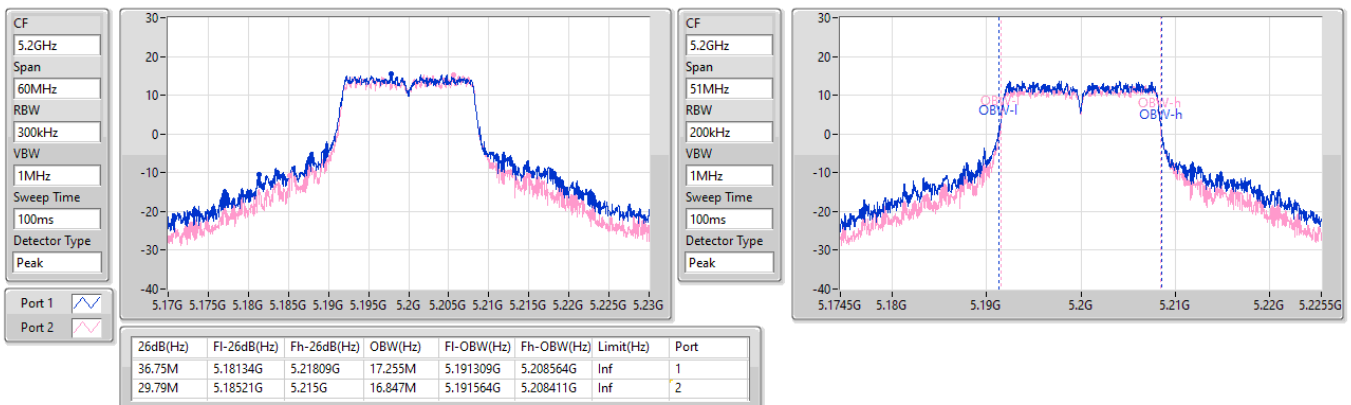


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5200MHz

02/03/2023

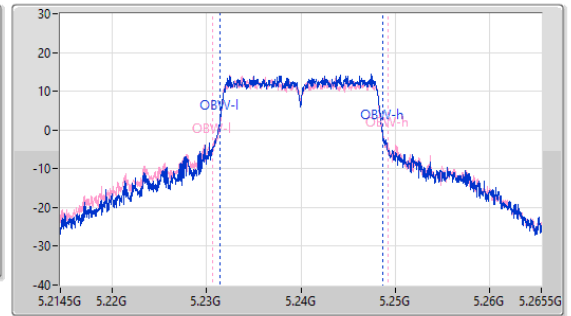
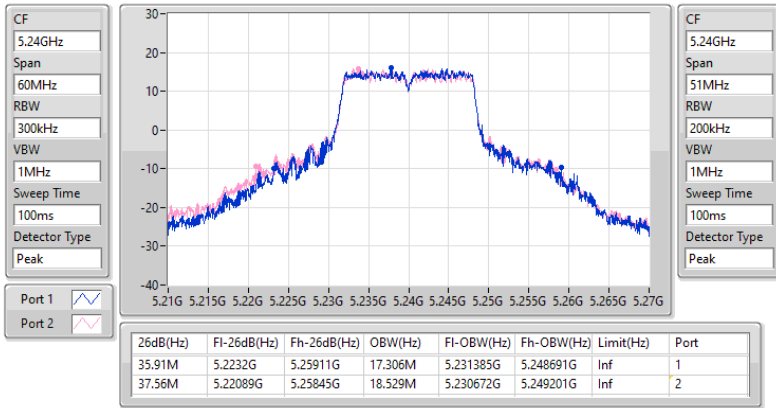


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5240MHz

02/03/2023

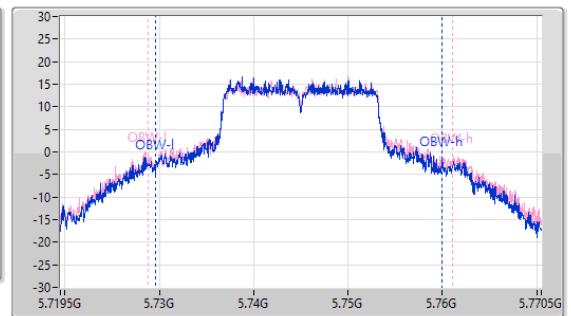
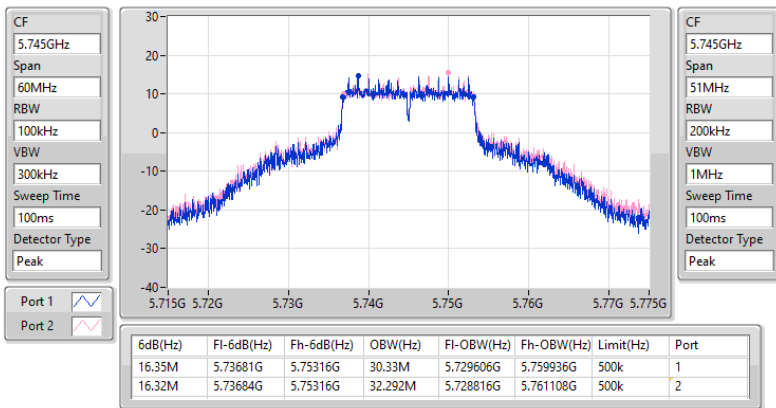


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5745MHz

02/03/2023



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5745MHz

02/03/2023

CF
5.745GHz

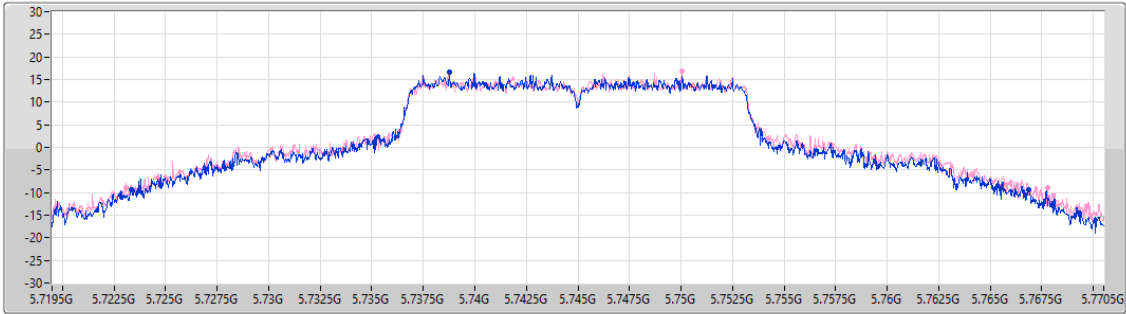
Span
51MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



Port 1

Port 2

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|-----------|------|
| 43.503M | 5.723351G | 5.766854G | Inf | 1 |
| 44.727M | 5.72307G | 5.767797G | Inf | 2 |

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5785MHz

02/03/2023

CF
5.785GHz

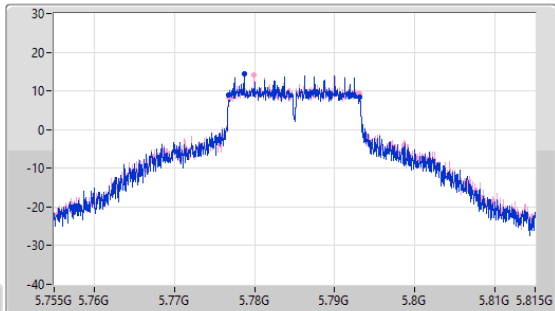
Span
60MHz

RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
Peak



CF
5.785GHz

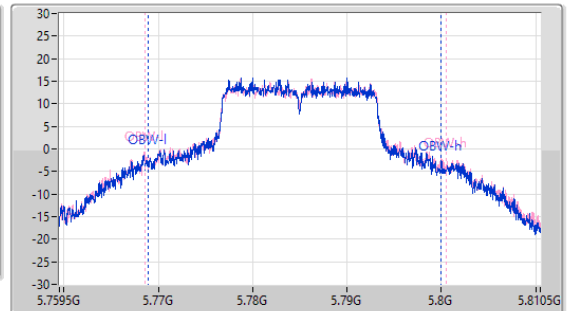
Span
51MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 16.35M | 5.77681G | 5.79316G | 31.069M | 5.768867G | 5.799936G | 500k | 1 |
| 16.35M | 5.77681G | 5.79316G | 31.961M | 5.768612G | 5.800573G | 500k | 2 |

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5785MHz

02/03/2023

CF
5.785GHz

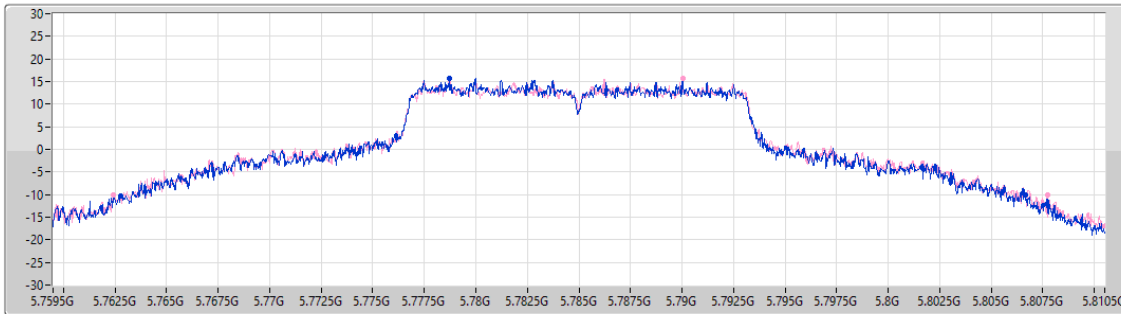
Span
51MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



Port 1

Port 2

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|-----------|------|
| 43.886M | 5.762764G | 5.80665G | Inf | 1 |
| 45.314M | 5.762433G | 5.807746G | Inf | 2 |

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5825MHz

02/03/2023

CF
5.825GHz

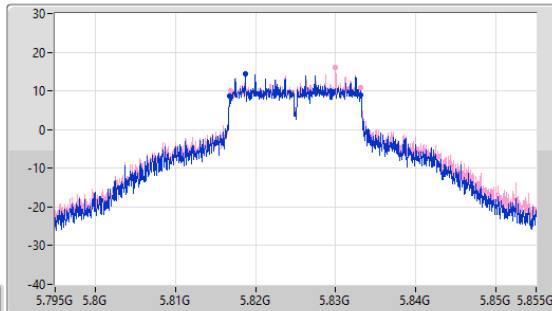
Span
60MHz

RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
Peak



CF
5.825GHz

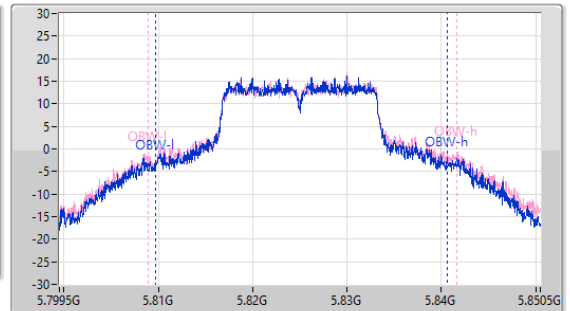
Span
51MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



Port 1

Port 2

| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 16.35M | 5.81681G | 5.83316G | 30.967M | 5.809708G | 5.840675G | 500k | 1 |
| 16.26M | 5.81687G | 5.83313G | 32.751M | 5.808943G | 5.841694G | 500k | 2 |

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5825MHz

02/03/2023

CF
5.825GHz

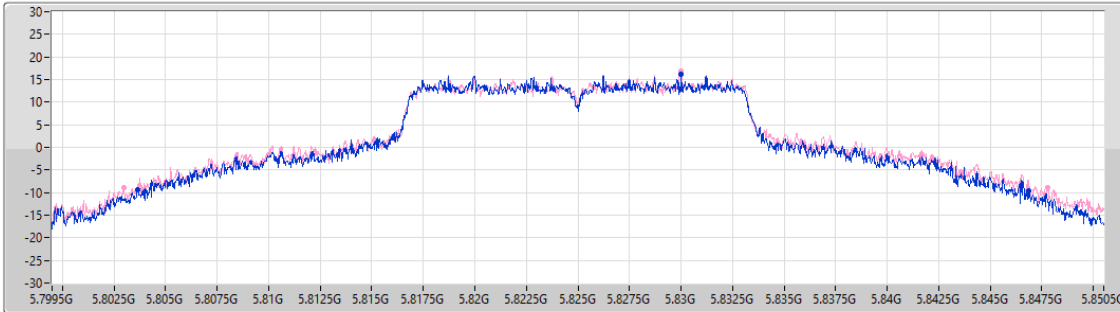
Span
51MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



Port 1

Port 2

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|-----------|------|
| 43.223M | 5.803631G | 5.846854G | Inf | 1 |
| 44.778M | 5.802994G | 5.847772G | Inf | 2 |

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5180MHz

02/03/2023

CF
5.18GHz

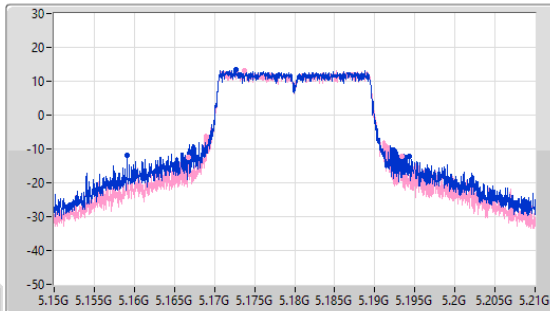
Span
60MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



Port 1

Port 2

CF
5.18GHz

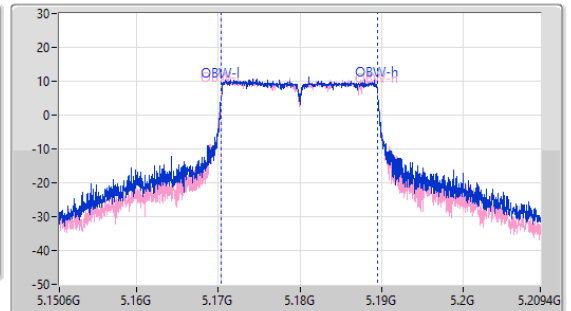
Span
58.8MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak

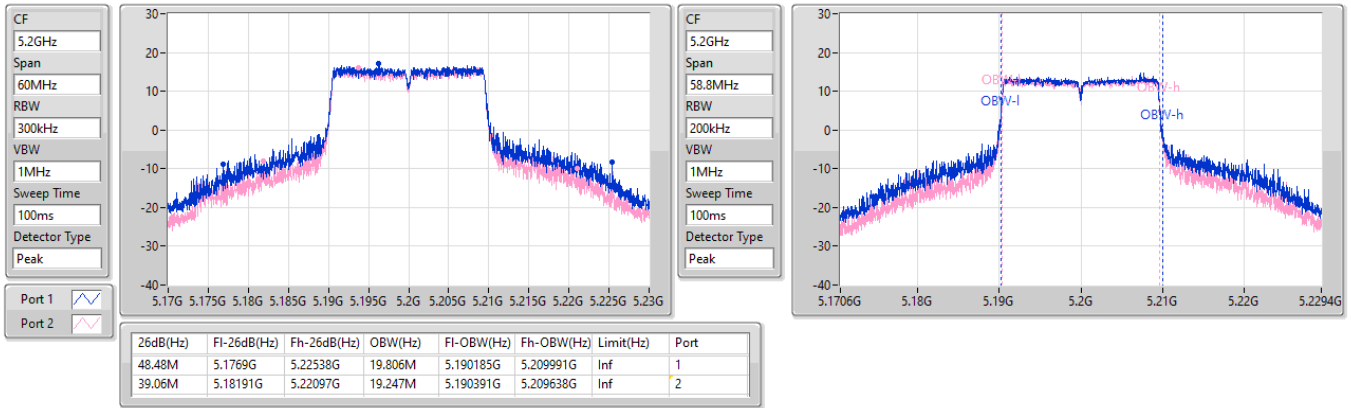


| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 35.28M | 5.15909G | 5.19437G | 19.1M | 5.17042G | 5.189521G | Inf | 1 |
| 26.67M | 5.16674G | 5.19341G | 19.159M | 5.170391G | 5.18955G | Inf | 2 |

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX
5200MHz

EBW

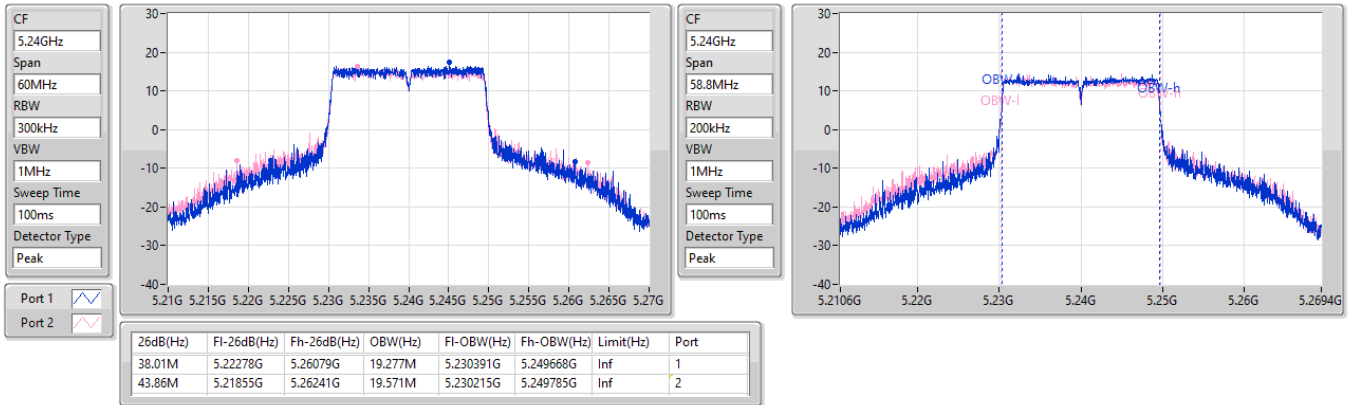
02/03/2023



5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX
5240MHz

EBW

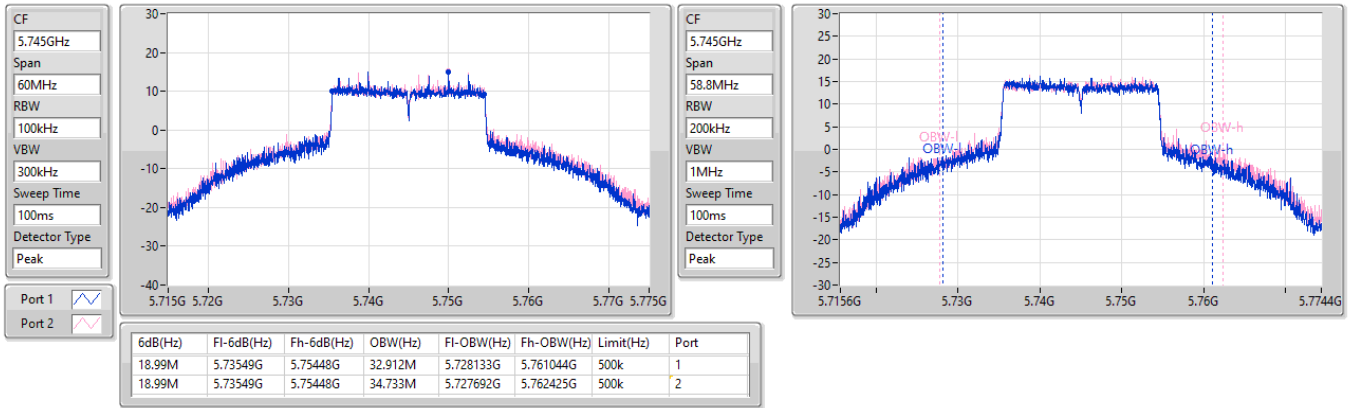
02/03/2023



5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX
5745MHz

EBW

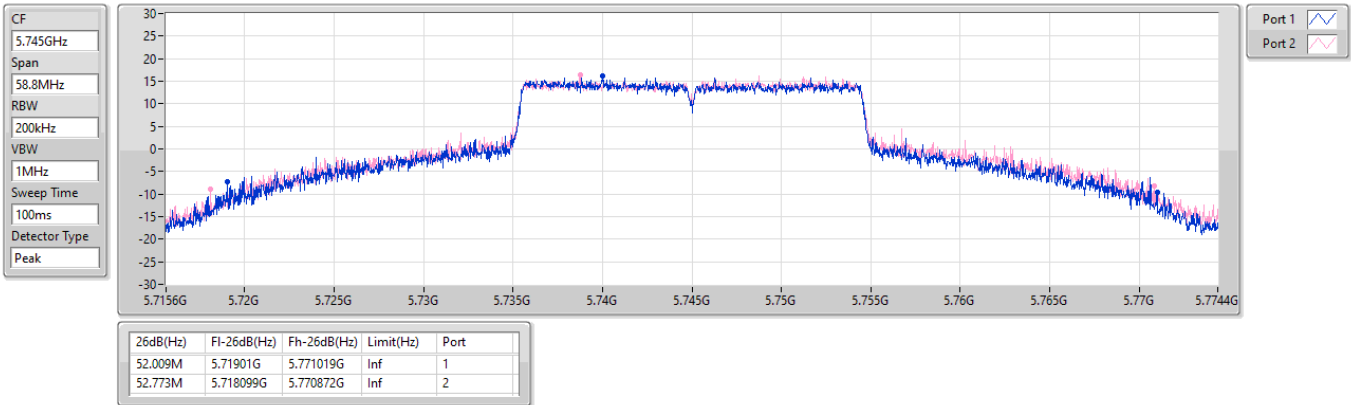
02/03/2023



5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX
5745MHz

EBW

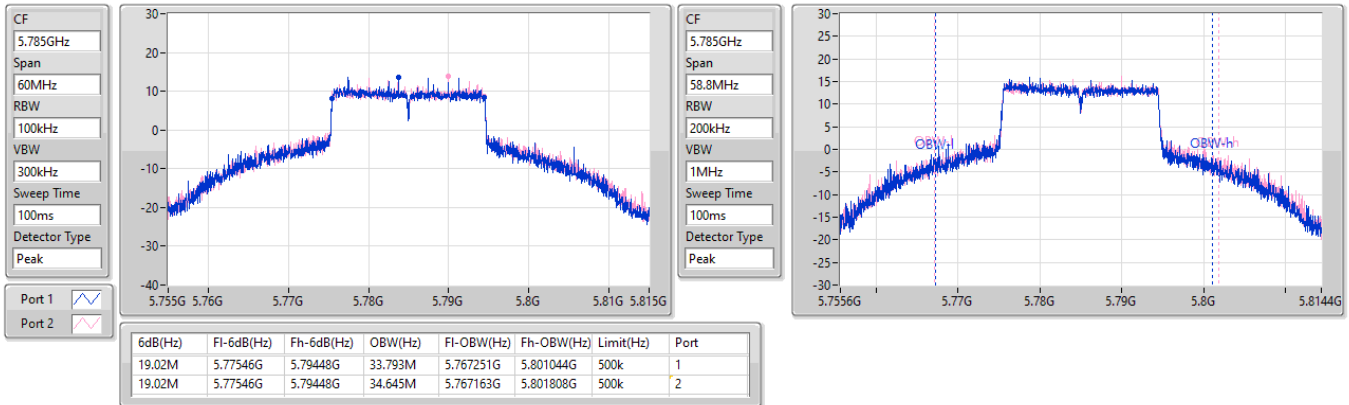
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5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX
5785MHz

EBW

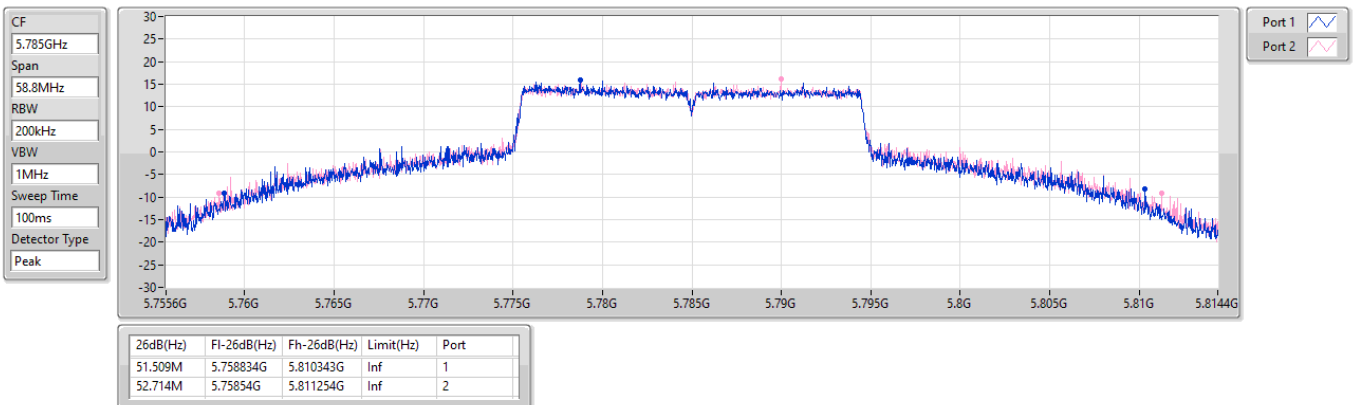
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5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX
5785MHz

EBW

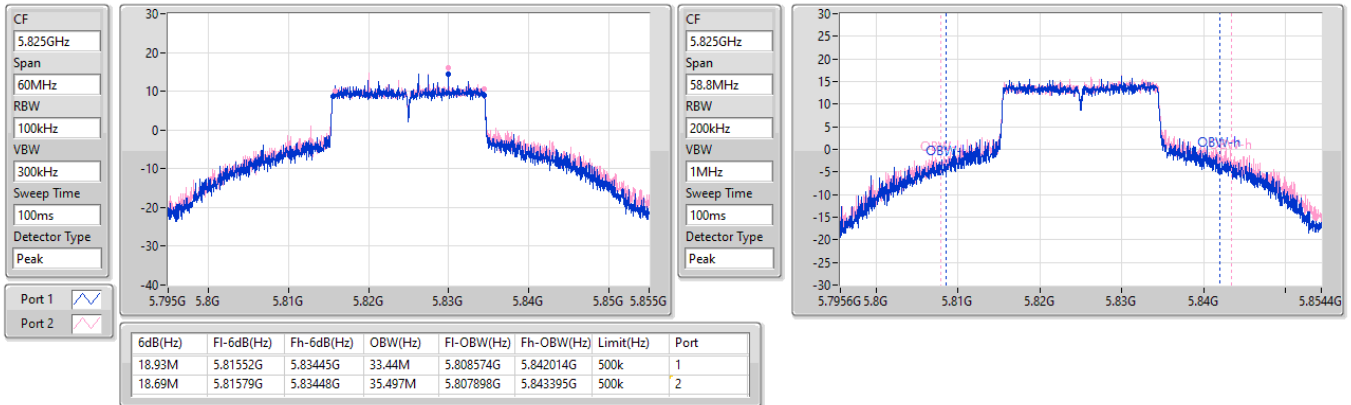
02/03/2023



5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX
5825MHz

EBW

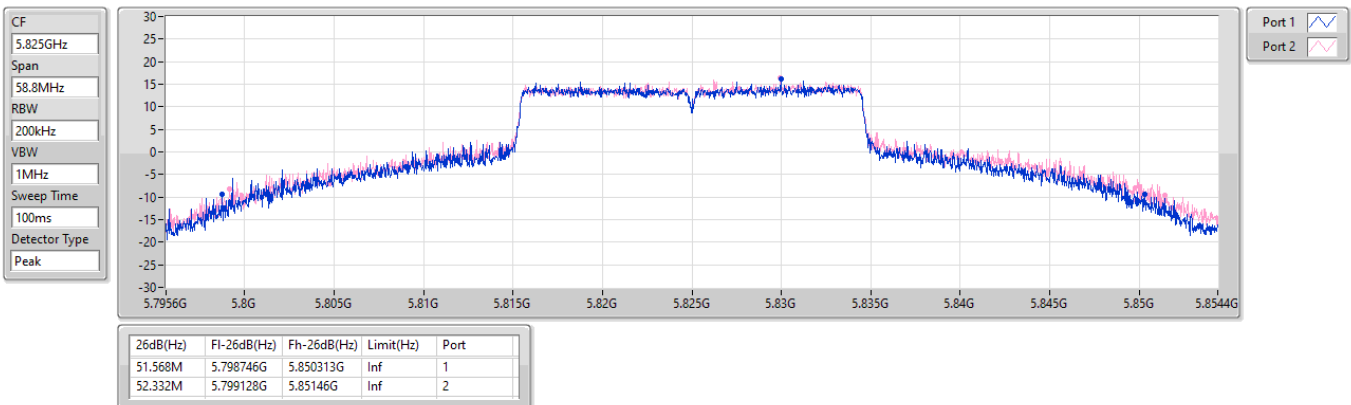
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5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX
5825MHz

EBW

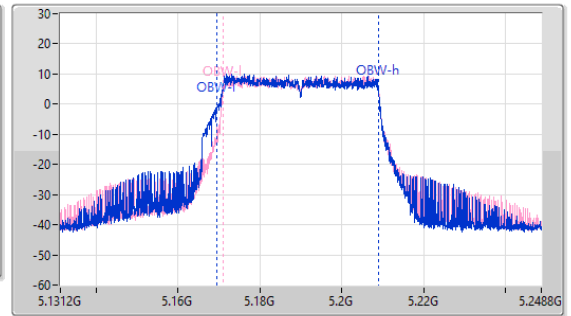
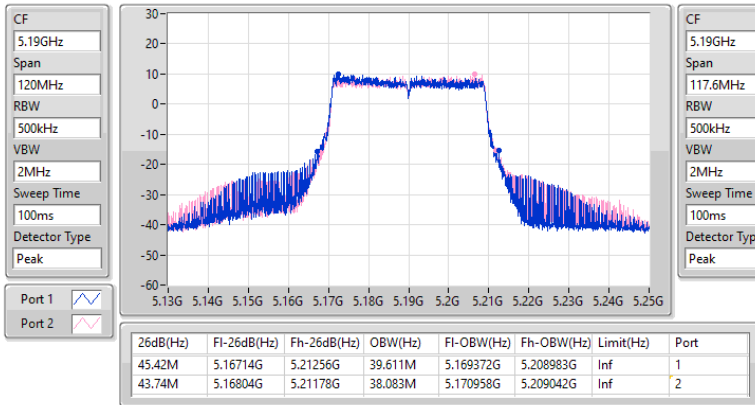
02/03/2023



5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX
5190MHz

EBW

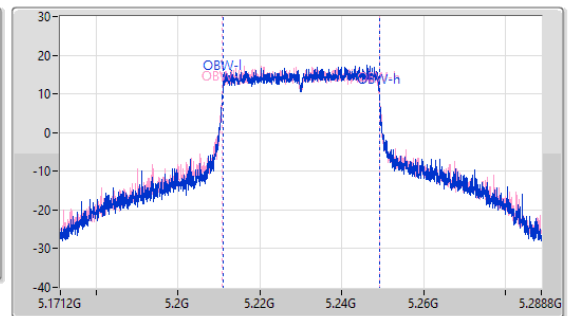
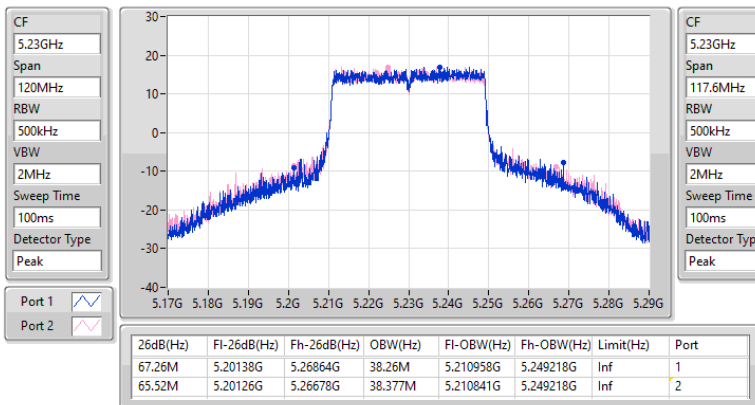
02/03/2023



5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX
5230MHz

EBW

02/03/2023

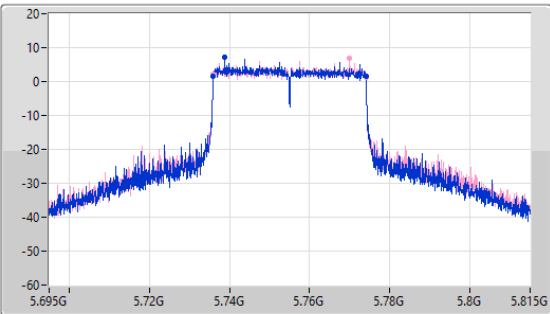


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX
5755MHz

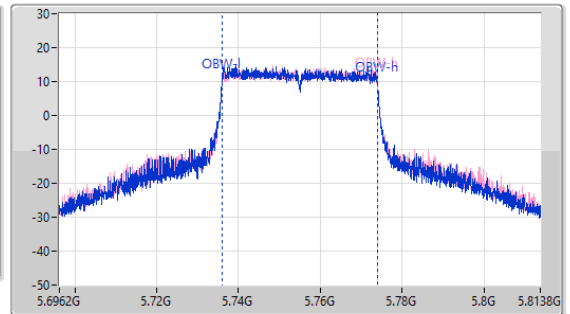
EBW

02/03/2023

CF
5.755GHz
Span
120MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.755GHz
Span
117.6MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



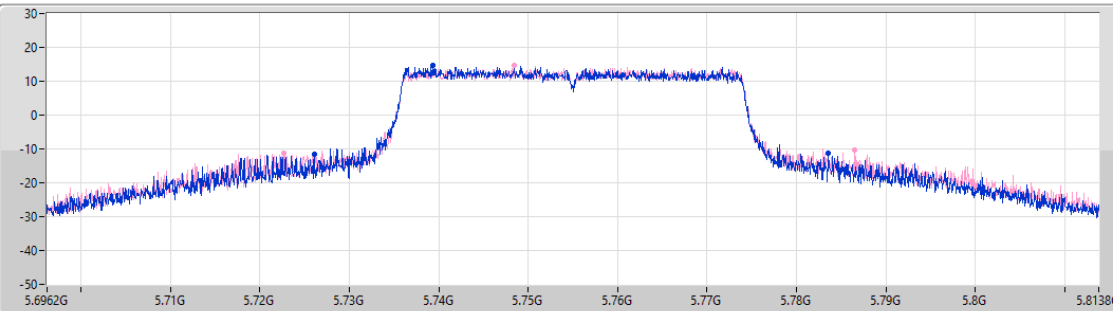
| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 38.1M | 5.73592G | 5.77402G | 38.142M | 5.7359G | 5.774042G | 500k | 1 |
| 38.04M | 5.73598G | 5.77402G | 38.142M | 5.7359G | 5.774042G | 500k | 2 |

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX
5755MHz

EBW

02/03/2023

CF
5.755GHz
Span
117.6MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



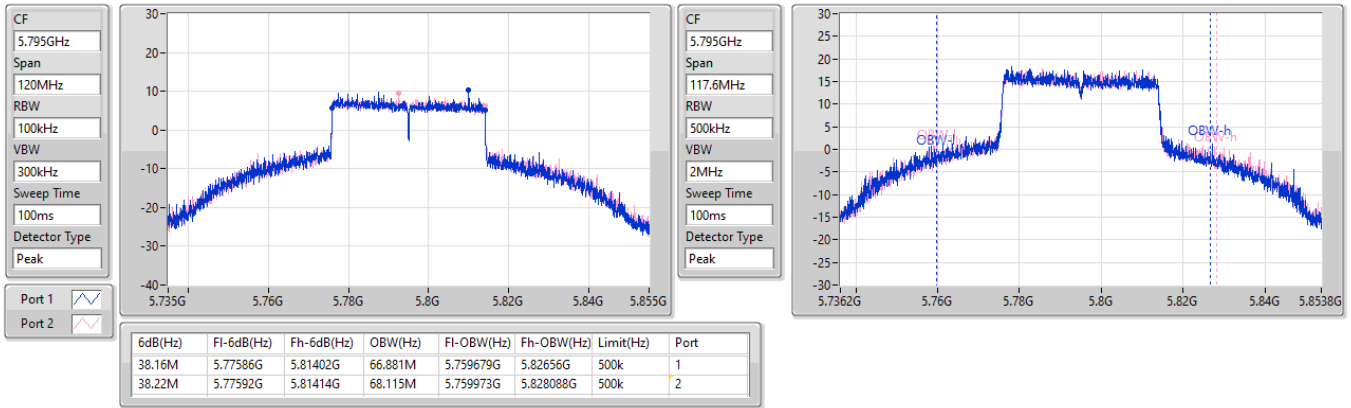
Port 1
Port 2

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|-----------|------|
| 57.506M | 5.72607G | 5.783577G | Inf | 1 |
| 63.798M | 5.722719G | 5.786517G | Inf | 2 |

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX
5795MHz

EBW

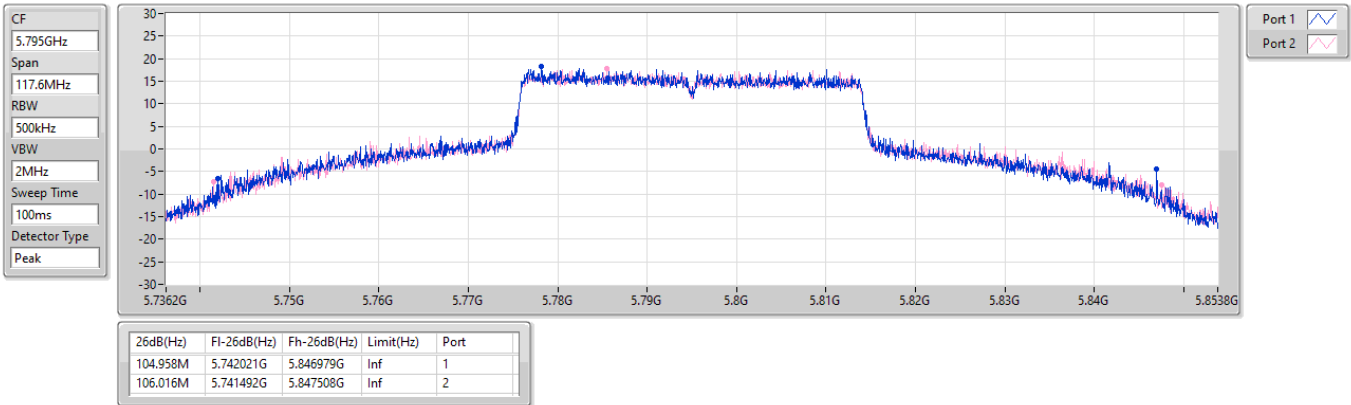
02/03/2023



5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX
5795MHz

EBW

02/03/2023

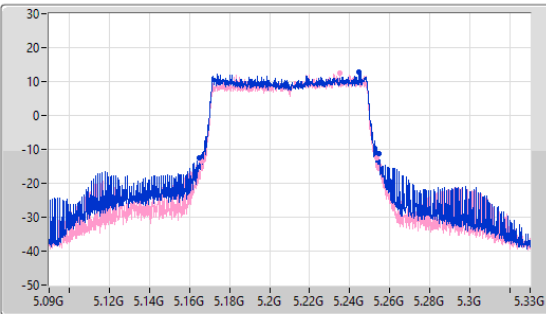


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_2TX
5210MHz

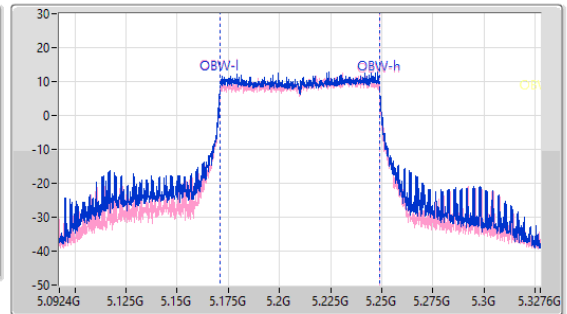
EBW

02/03/2023

CF
5.21GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.21GHz
Span
235.2MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



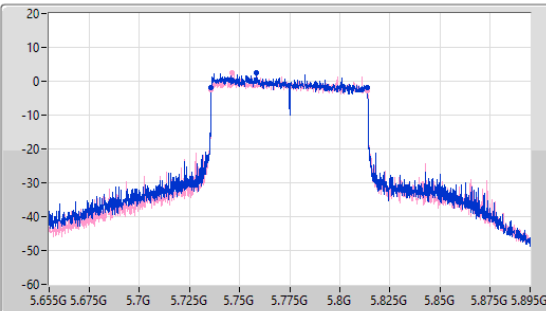
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 89.76M | 5.165G | 5.25476G | 78.047M | 5.170976G | 5.249024G | Inf | 1 |
| 87.48M | 5.16608G | 5.25356G | 77.695M | 5.171211G | 5.248906G | Inf | 2 |

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_2TX
5775MHz

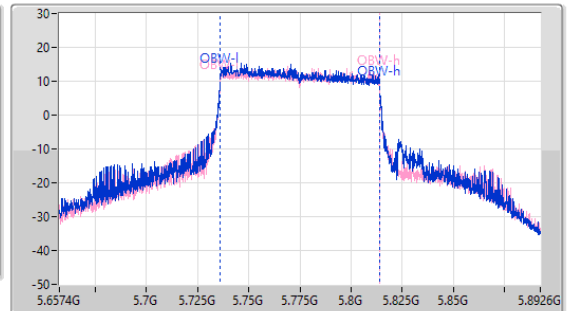
EBW

02/03/2023

CF
5.775GHz
Span
240MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.775GHz
Span
235.2MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



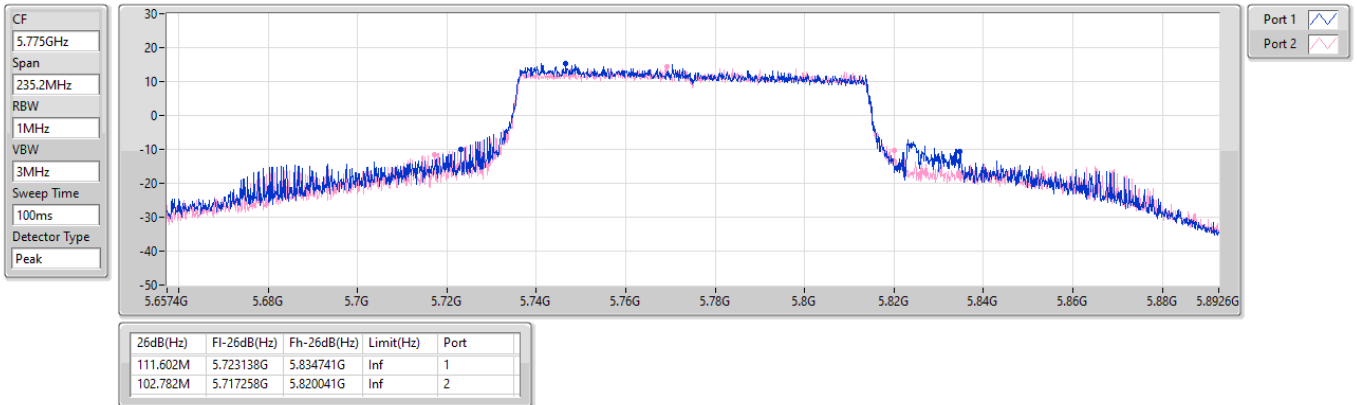
| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 78M | 5.73588G | 5.81388G | 78.047M | 5.735859G | 5.813906G | 500k | 1 |
| 78.12M | 5.73588G | 5.814G | 77.93M | 5.735976G | 5.813906G | 500k | 2 |

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5775MHz

02/03/2023





Summary

| Mode | Total Power (dBm) | Total Power (W) |
|-----------------------------------|-------------------|-----------------|
| 5.15-5.25GHz | - | - |
| 802.11a_Nss1,(6Mbps)_2TX | 26.60 | 0.45709 |
| 802.11be EHT20_Nss1,(MCS0)_2TX | 27.26 | 0.53211 |
| 802.11be EHT20-BF_Nss1,(MCS0)_2TX | 27.26 | 0.53211 |
| 802.11be EHT40_Nss1,(MCS0)_2TX | 27.13 | 0.51642 |
| 802.11be EHT40-BF_Nss1,(MCS0)_2TX | 27.13 | 0.51642 |
| 802.11be EHT80_Nss1,(MCS0)_2TX | 21.79 | 0.15101 |
| 802.11be EHT80-BF_Nss1,(MCS0)_2TX | 21.79 | 0.15101 |
| 5.725-5.85GHz | - | - |
| 802.11a_Nss1,(6Mbps)_2TX | 28.91 | 0.77804 |
| 802.11be EHT20_Nss1,(MCS0)_2TX | 28.86 | 0.76913 |
| 802.11be EHT20-BF_Nss1,(MCS0)_2TX | 28.14 | 0.65163 |
| 802.11be EHT40_Nss1,(MCS0)_2TX | 27.93 | 0.62087 |
| 802.11be EHT40-BF_Nss1,(MCS0)_2TX | 27.93 | 0.62087 |
| 802.11be EHT80_Nss1,(MCS0)_2TX | 24.02 | 0.25235 |
| 802.11be EHT80-BF_Nss1,(MCS0)_2TX | 24.02 | 0.25235 |



Result

| Mode | Result | DG (dBi) | Port 1 (dBm) | Port 2 (dBm) | Total Power (dBm) | Power Limit (dBm) |
|-----------------------------------|--------|----------|--------------|--------------|-------------------|-------------------|
| 802.11a_Nss1,(6Mbps)_2TX | - | - | - | - | - | - |
| 5180MHz | Pass | 4.92 | 21.15 | 21.07 | 24.12 | 30.00 |
| 5200MHz | Pass | 4.92 | 23.75 | 23.12 | 26.46 | 30.00 |
| 5240MHz | Pass | 4.92 | 24.06 | 23.06 | 26.60 | 30.00 |
| 5745MHz | Pass | 4.75 | 25.83 | 25.97 | 28.91 | 30.00 |
| 5785MHz | Pass | 4.75 | 25.02 | 25.18 | 28.11 | 30.00 |
| 5825MHz | Pass | 4.75 | 25.24 | 25.46 | 28.36 | 30.00 |
| 802.11be EHT20_Nss1,(MCS0)_2TX | - | - | - | - | - | - |
| 5180MHz | Pass | 4.92 | 21.24 | 21.07 | 24.17 | 30.00 |
| 5200MHz | Pass | 4.92 | 24.49 | 23.99 | 27.26 | 30.00 |
| 5240MHz | Pass | 4.92 | 24.28 | 23.95 | 27.13 | 30.00 |
| 5745MHz | Pass | 4.75 | 25.72 | 25.98 | 28.86 | 30.00 |
| 5785MHz | Pass | 4.75 | 25.24 | 25.35 | 28.31 | 30.00 |
| 5825MHz | Pass | 4.75 | 25.31 | 25.57 | 28.45 | 30.00 |
| 802.11be EHT40_Nss1,(MCS0)_2TX | - | - | - | - | - | - |
| 5190MHz | Pass | 4.92 | 16.94 | 16.89 | 19.93 | 30.00 |
| 5230MHz | Pass | 4.92 | 24.11 | 24.12 | 27.13 | 30.00 |
| 5755MHz | Pass | 4.75 | 21.69 | 21.65 | 24.68 | 30.00 |
| 5795MHz | Pass | 4.75 | 24.88 | 24.95 | 27.93 | 30.00 |
| 802.11be EHT80_Nss1,(MCS0)_2TX | - | - | - | - | - | - |
| 5210MHz | Pass | 4.92 | 19.17 | 18.34 | 21.79 | 30.00 |
| 5775MHz | Pass | 4.75 | 21.24 | 20.77 | 24.02 | 30.00 |
| 802.11be EHT20-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - |
| 5180MHz | Pass | 7.86 | 21.24 | 21.07 | 24.17 | 28.14 |
| 5200MHz | Pass | 7.86 | 24.49 | 23.99 | 27.26 | 28.14 |
| 5240MHz | Pass | 7.86 | 24.28 | 23.95 | 27.13 | 28.14 |
| 5745MHz | Pass | 7.69 | 25.01 | 25.11 | 28.07 | 28.31 |
| 5785MHz | Pass | 7.69 | 24.84 | 24.97 | 27.92 | 28.31 |
| 5825MHz | Pass | 7.69 | 24.93 | 25.32 | 28.14 | 28.31 |
| 802.11be EHT40-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - |
| 5190MHz | Pass | 7.86 | 16.94 | 16.89 | 19.93 | 28.14 |
| 5230MHz | Pass | 7.86 | 24.11 | 24.12 | 27.13 | 28.14 |
| 5755MHz | Pass | 7.69 | 21.69 | 21.65 | 24.68 | 28.31 |
| 5795MHz | Pass | 7.69 | 24.88 | 24.95 | 27.93 | 28.31 |
| 802.11be EHT80-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - |
| 5210MHz | Pass | 7.86 | 19.17 | 18.34 | 21.79 | 28.14 |
| 5775MHz | Pass | 7.69 | 21.24 | 20.77 | 24.02 | 28.31 |

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

Summary

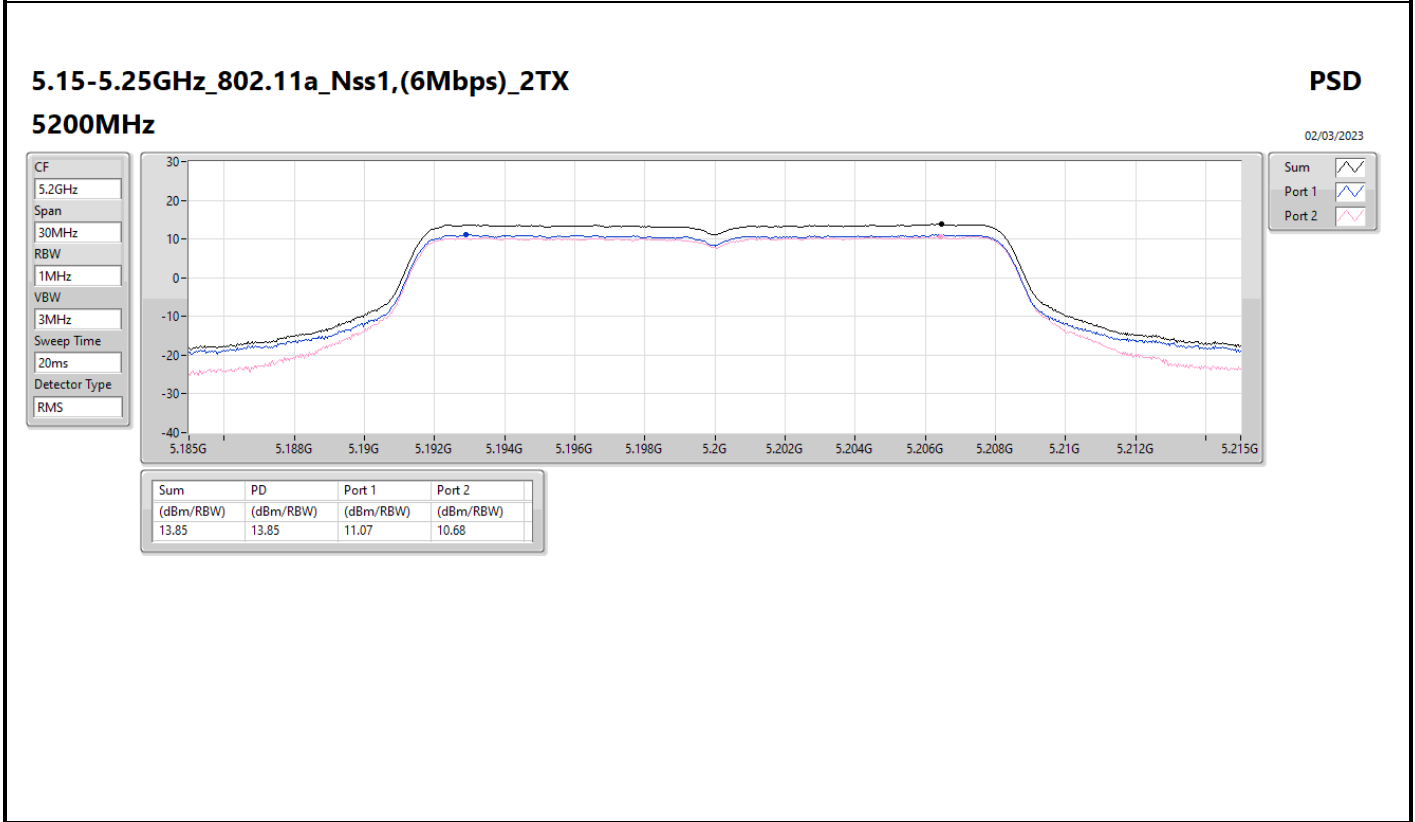
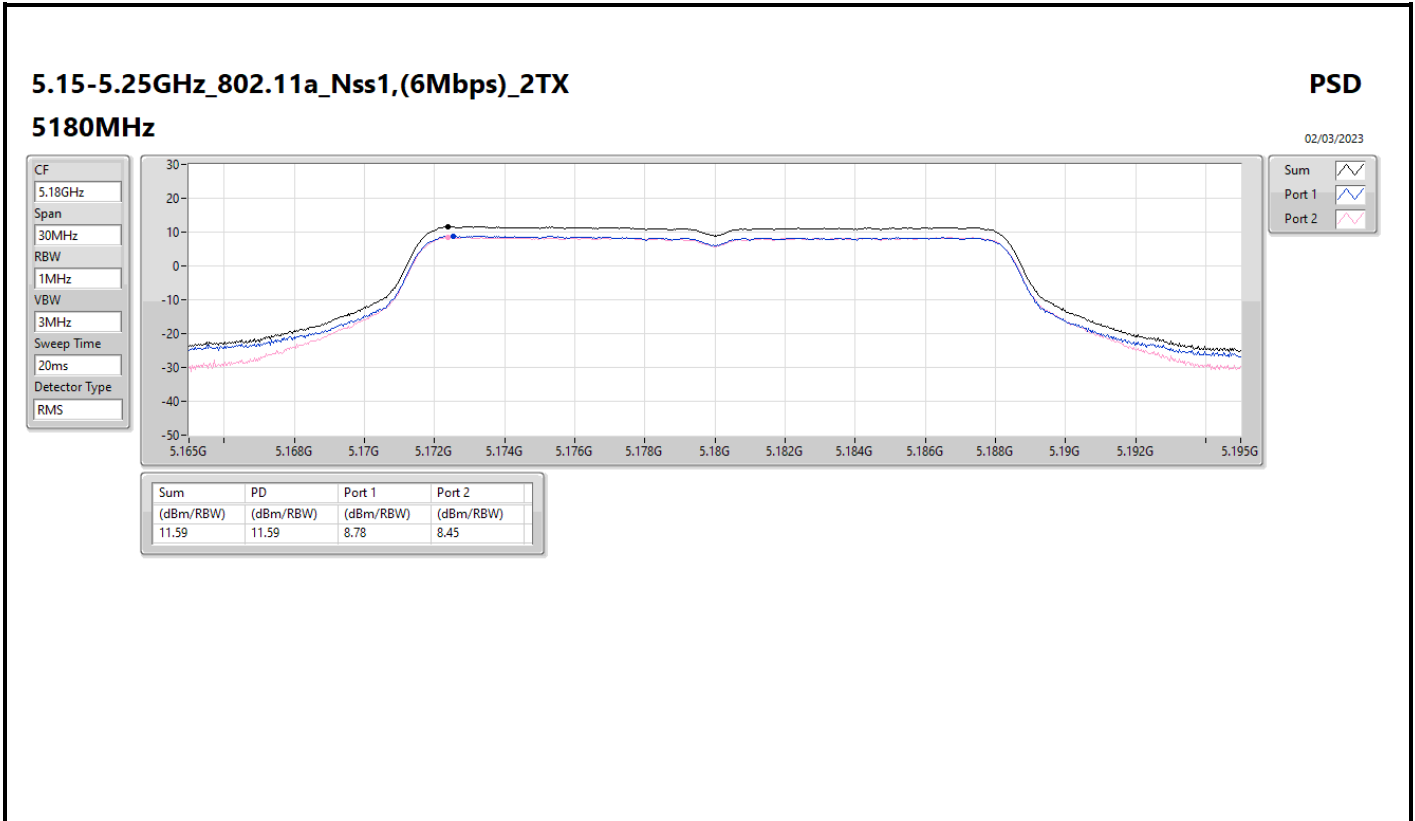
| Mode | PD (dBm/RBW) | EIRP PD (dBm/RBW) |
|--------------------------------|-----------------|----------------------|
| 5.15-5.25GHz | - | - |
| 802.11a_Nss1,(6Mbps)_2TX | 14.34 | 22.20 |
| 802.11be EHT20_Nss1,(MCS0)_2TX | 14.02 | 21.88 |
| 802.11be EHT40_Nss1,(MCS0)_2TX | 10.89 | 18.75 |
| 802.11be EHT80_Nss1,(MCS0)_2TX | 2.82 | 10.68 |
| 5.725-5.85GHz | - | - |
| 802.11a_Nss1,(6Mbps)_2TX | 14.69 | 22.38 |
| 802.11be EHT20_Nss1,(MCS0)_2TX | 14.02 | 21.71 |
| 802.11be EHT40_Nss1,(MCS0)_2TX | 10.38 | 18.07 |
| 802.11be EHT80_Nss1,(MCS0)_2TX | 3.75 | 11.44 |

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

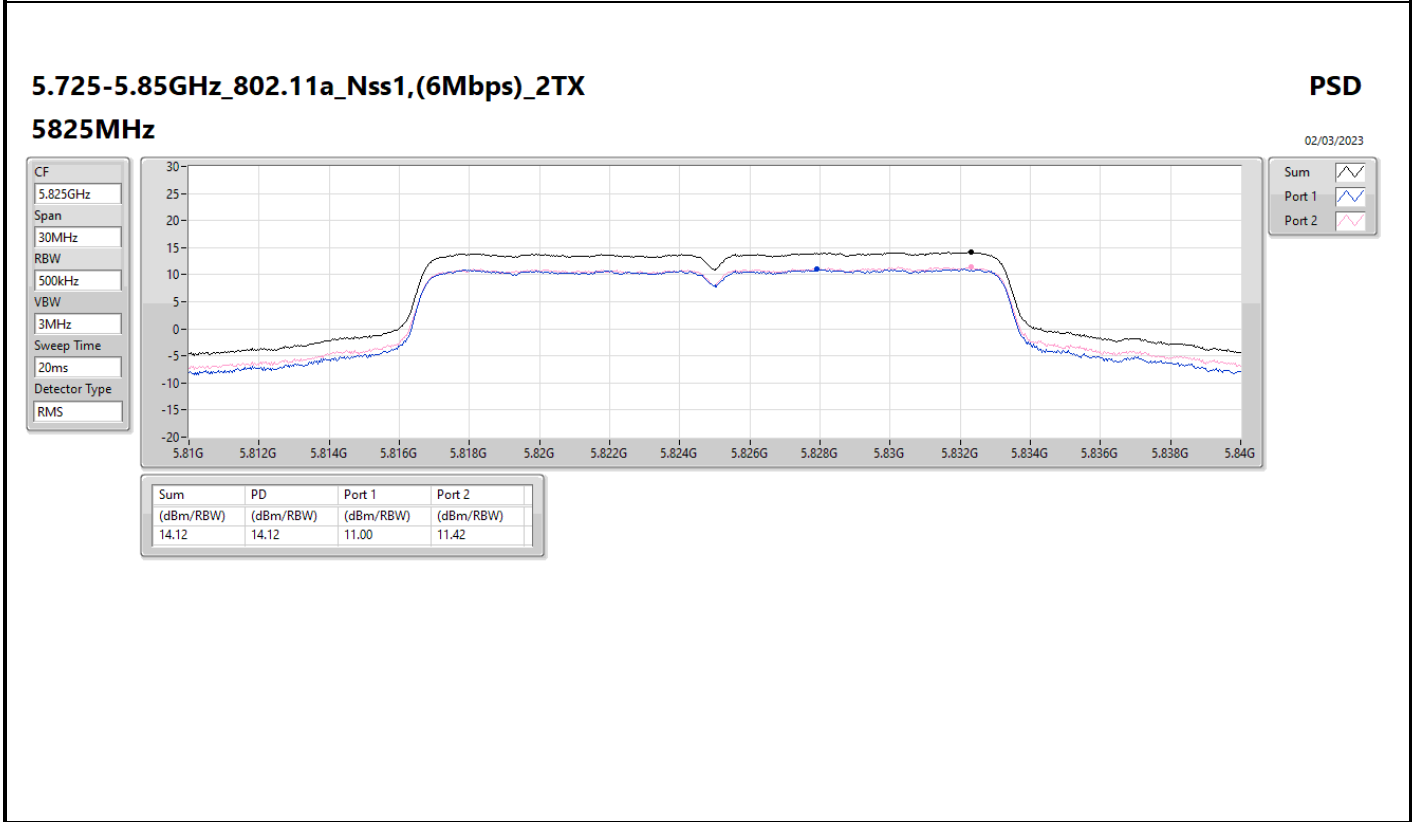
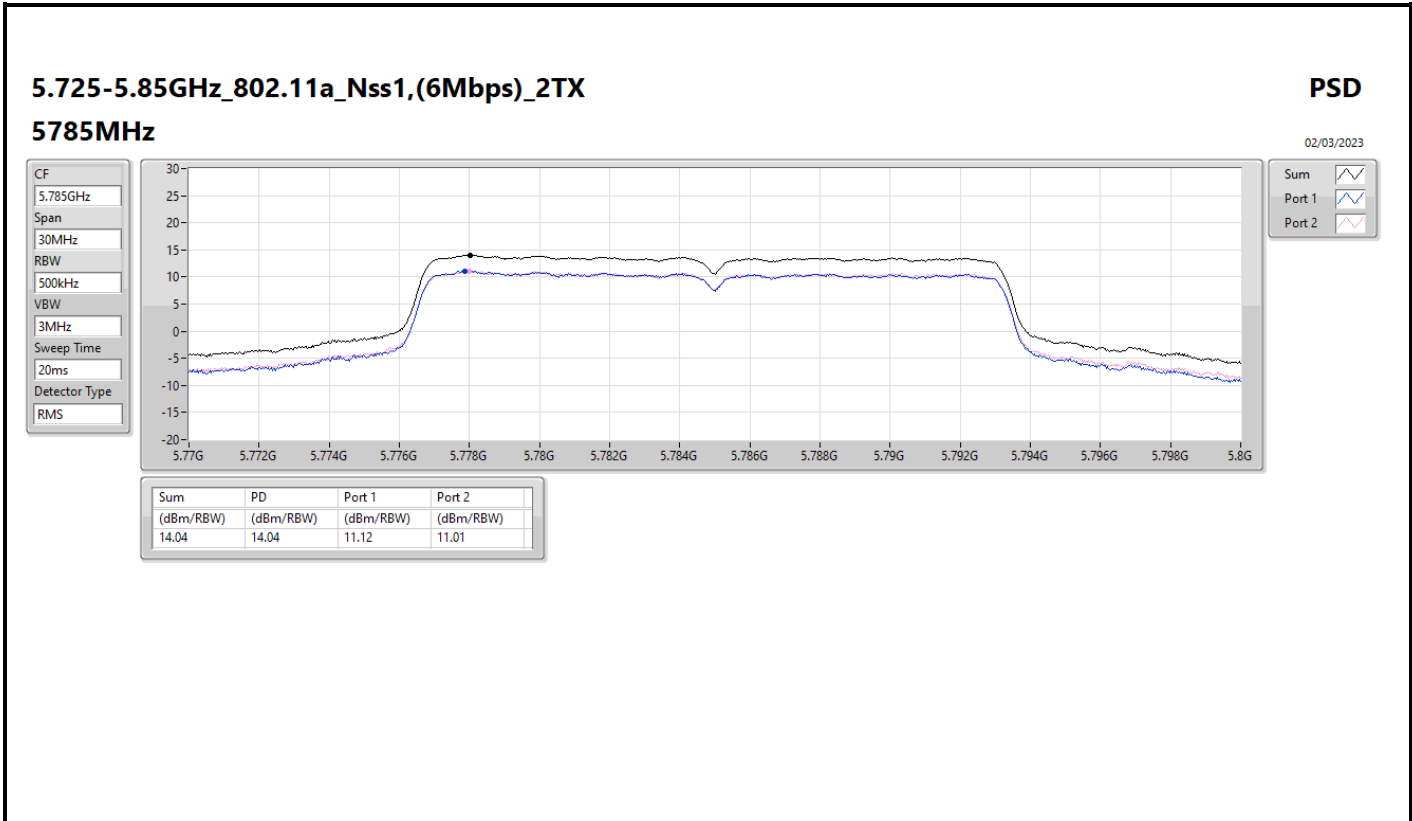
Result

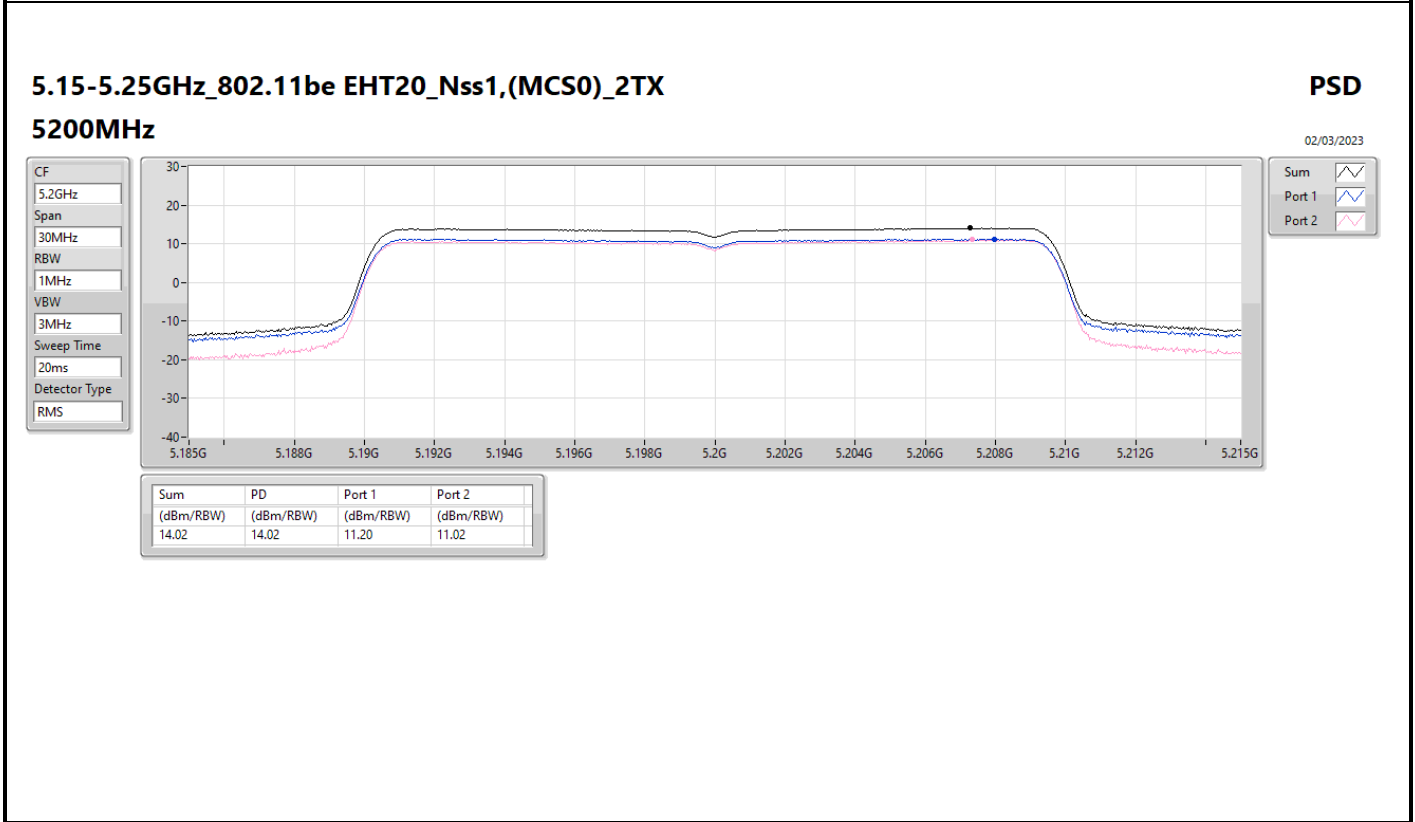
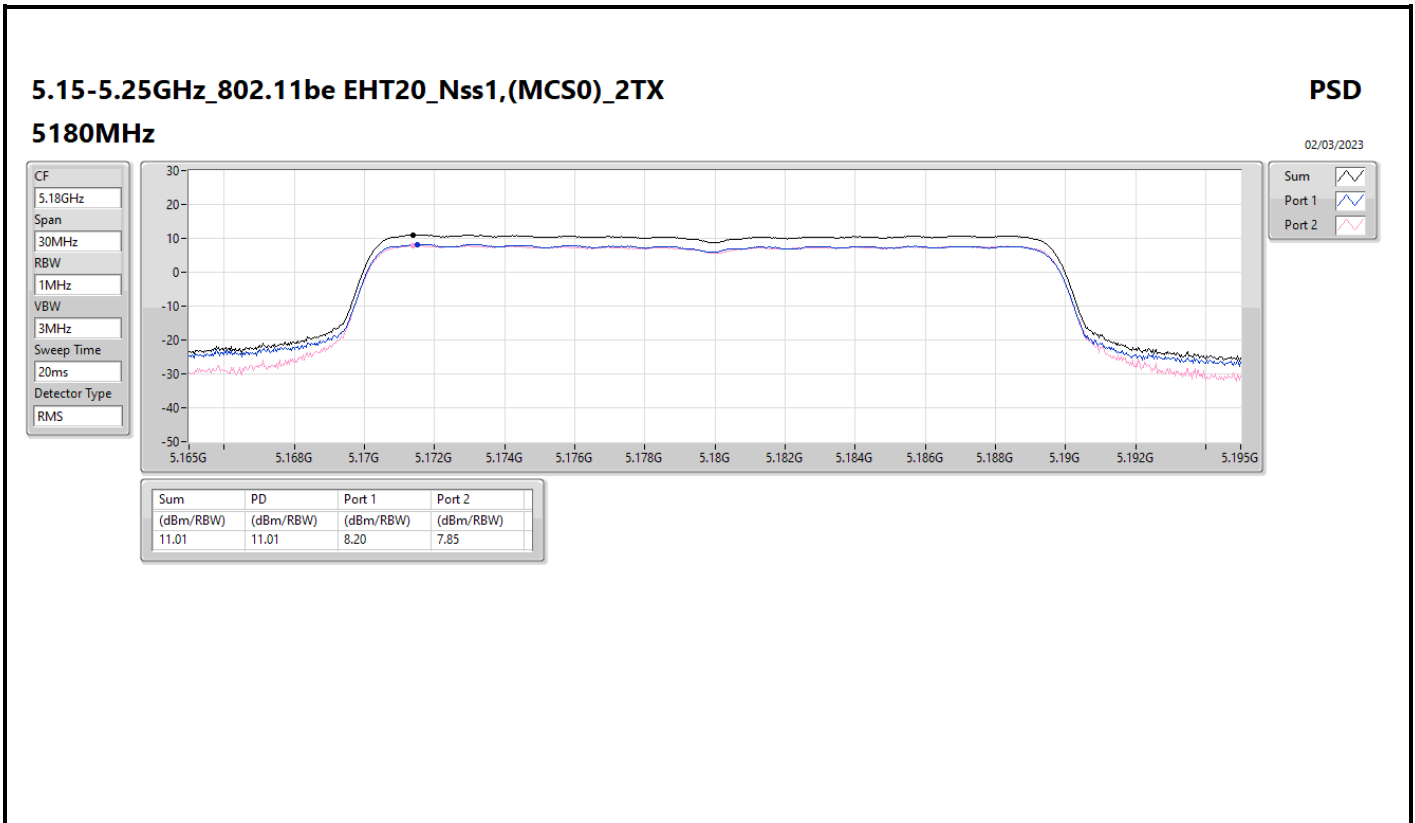
| Mode | Result | DG (dBi) | Port 1 (dBm/RBW) | Port 2 (dBm/RBW) | PD (dBm/RBW) | PD Limit (dBm/RBW) |
|--------------------------------|--------|----------|------------------|------------------|--------------|--------------------|
| 802.11a_Nss1,(6Mbps)_2TX | - | - | - | - | - | - |
| 5180MHz | Pass | 7.86 | 8.78 | 8.45 | 11.59 | 15.14 |
| 5200MHz | Pass | 7.86 | 11.07 | 10.68 | 13.85 | 15.14 |
| 5240MHz | Pass | 7.86 | 11.64 | 11.41 | 14.34 | 15.14 |
| 5745MHz | Pass | 7.69 | 11.81 | 11.72 | 14.69 | 28.31 |
| 5785MHz | Pass | 7.69 | 11.12 | 11.01 | 14.04 | 28.31 |
| 5825MHz | Pass | 7.69 | 11.00 | 11.42 | 14.12 | 28.31 |
| 802.11be EHT20_Nss1,(MCS0)_2TX | - | - | - | - | - | - |
| 5180MHz | Pass | 7.86 | 8.20 | 7.85 | 11.01 | 15.14 |
| 5200MHz | Pass | 7.86 | 11.20 | 11.02 | 14.02 | 15.14 |
| 5240MHz | Pass | 7.86 | 11.17 | 10.94 | 13.87 | 15.14 |
| 5745MHz | Pass | 7.69 | 11.02 | 11.21 | 14.02 | 28.31 |
| 5785MHz | Pass | 7.69 | 10.43 | 10.36 | 13.33 | 28.31 |
| 5825MHz | Pass | 7.69 | 10.51 | 10.69 | 13.61 | 28.31 |
| 802.11be EHT40_Nss1,(MCS0)_2TX | - | - | - | - | - | - |
| 5190MHz | Pass | 7.86 | 1.39 | 0.64 | 3.94 | 15.14 |
| 5230MHz | Pass | 7.86 | 8.18 | 7.91 | 10.89 | 15.14 |
| 5755MHz | Pass | 7.69 | 4.20 | 3.86 | 6.94 | 28.31 |
| 5795MHz | Pass | 7.69 | 7.51 | 7.39 | 10.38 | 28.31 |
| 802.11be EHT80_Nss1,(MCS0)_2TX | - | - | - | - | - | - |
| 5210MHz | Pass | 7.86 | 0.23 | -0.33 | 2.82 | 15.14 |
| 5775MHz | Pass | 7.69 | 1.37 | 0.25 | 3.75 | 28.31 |

DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;









5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

5240MHz

02/03/2023

CF
5.24GHz

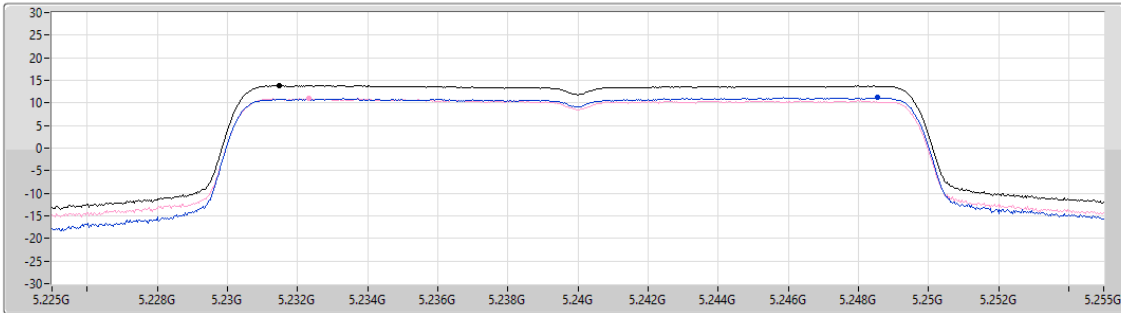
Span
30MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

| Sum | PD | Port 1 | Port 2 |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 13.87 | 13.87 | 11.17 | 10.94 |

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

5745MHz

02/03/2023

CF
5.745GHz

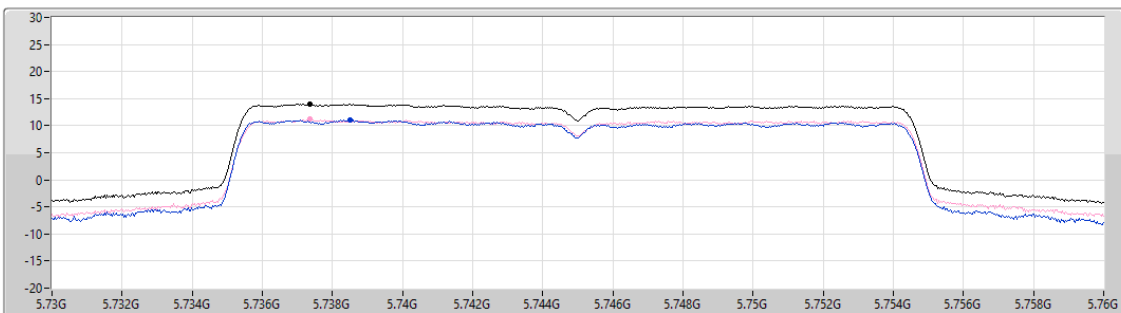
Span
30MHz


RBW
500kHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS

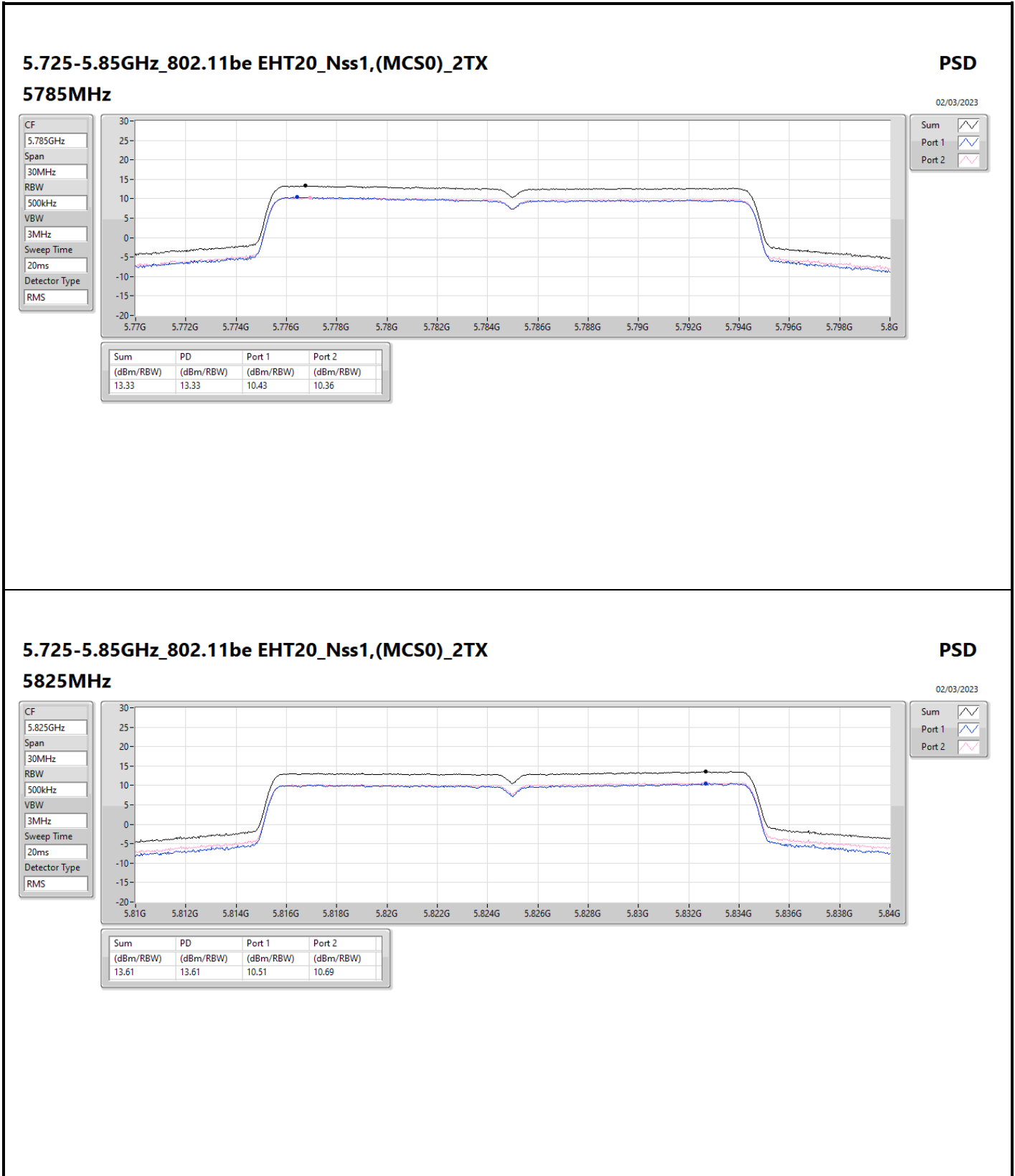


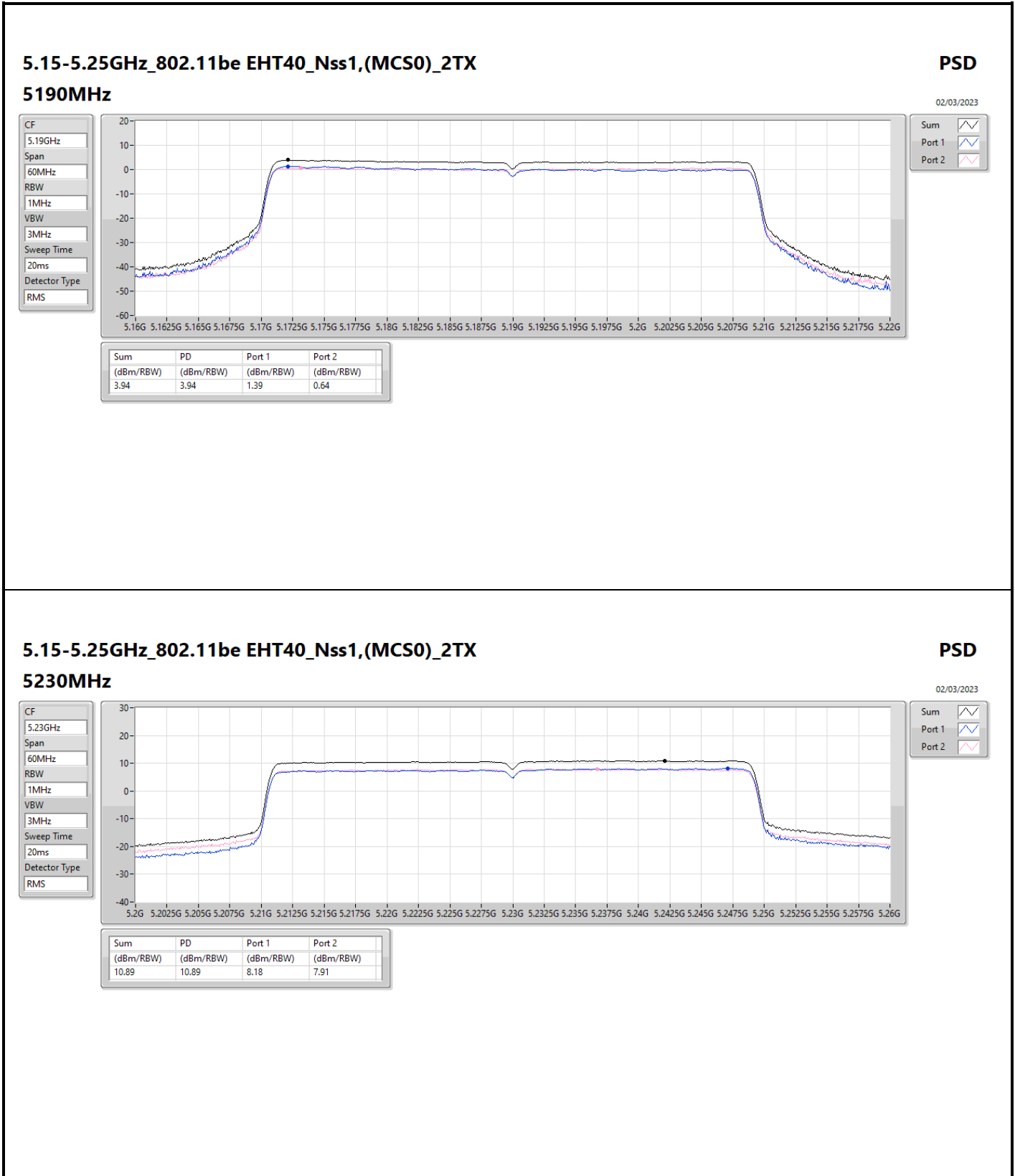
Sum 

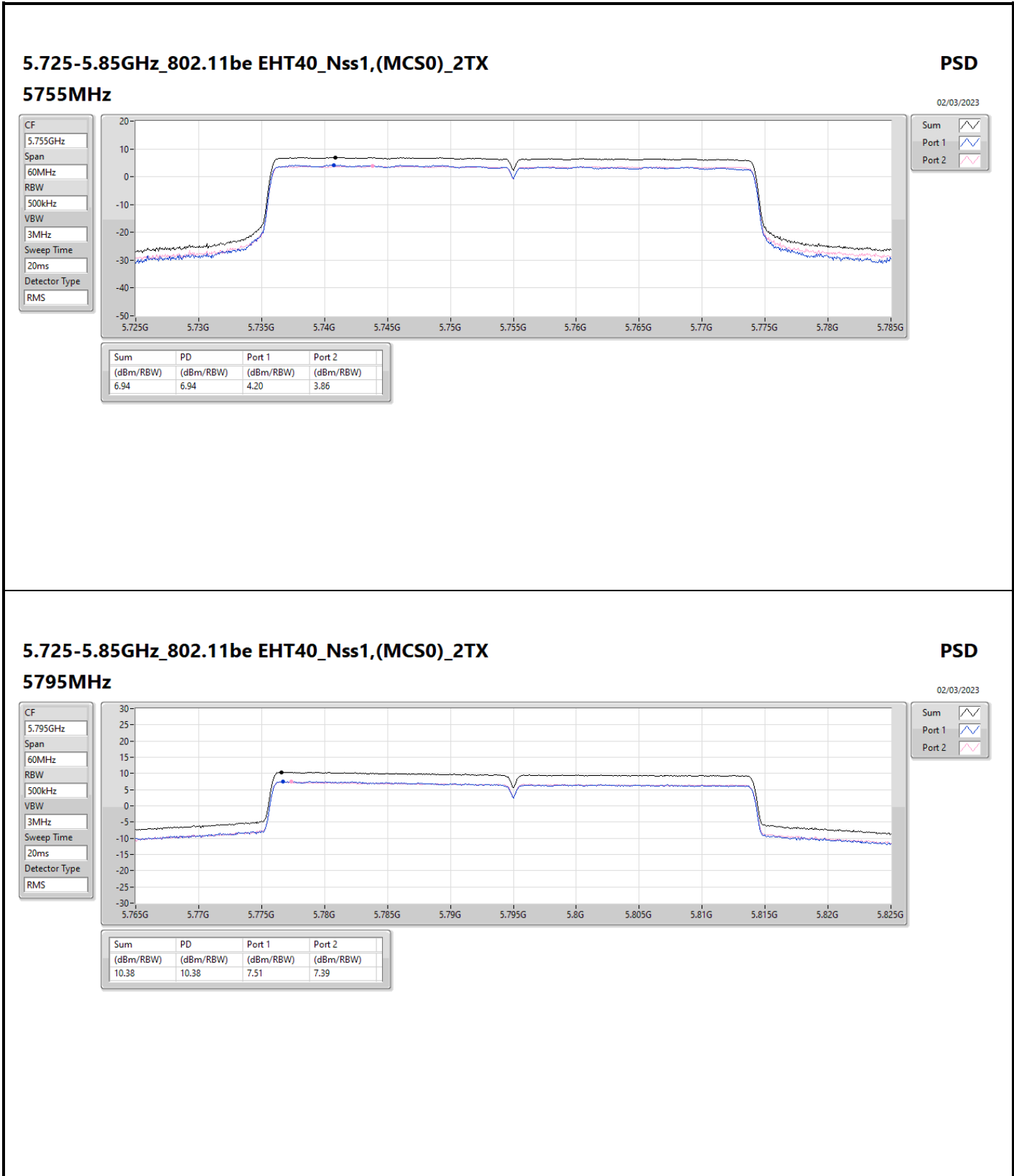
Port 1 

Port 2 

| Sum | PD | Port 1 | Port 2 |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 14.02 | 14.02 | 11.02 | 11.21 |







5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_2TX

PSD

5210MHz

02/03/2023

CF
5.21GHz

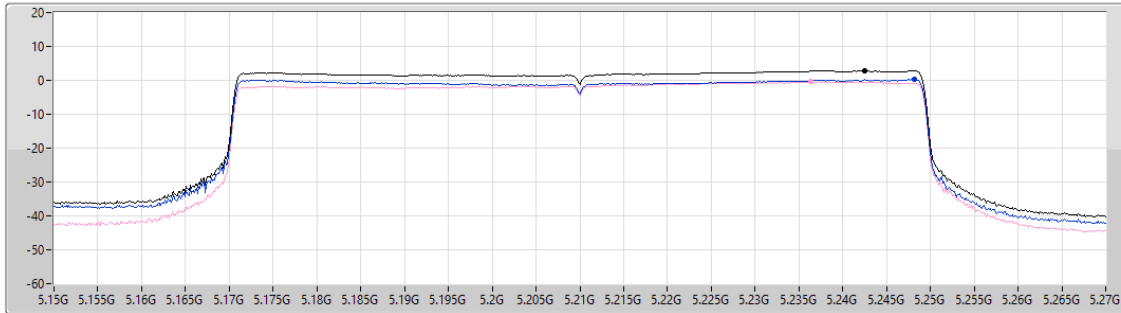
Span
120MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

| Sum | PD | Port 1 | Port 2 |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.82 | 2.82 | 0.23 | -0.33 |

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_2TX

PSD

5775MHz

02/03/2023

CF
5.775GHz

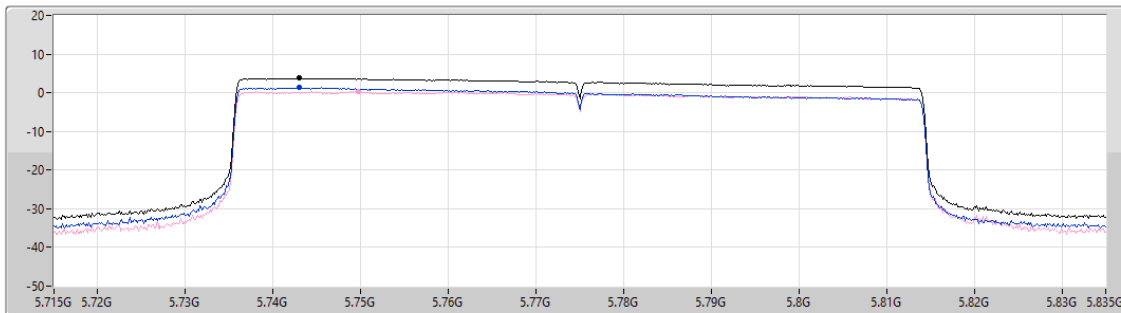
Span
120MHz


RBW
500kHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

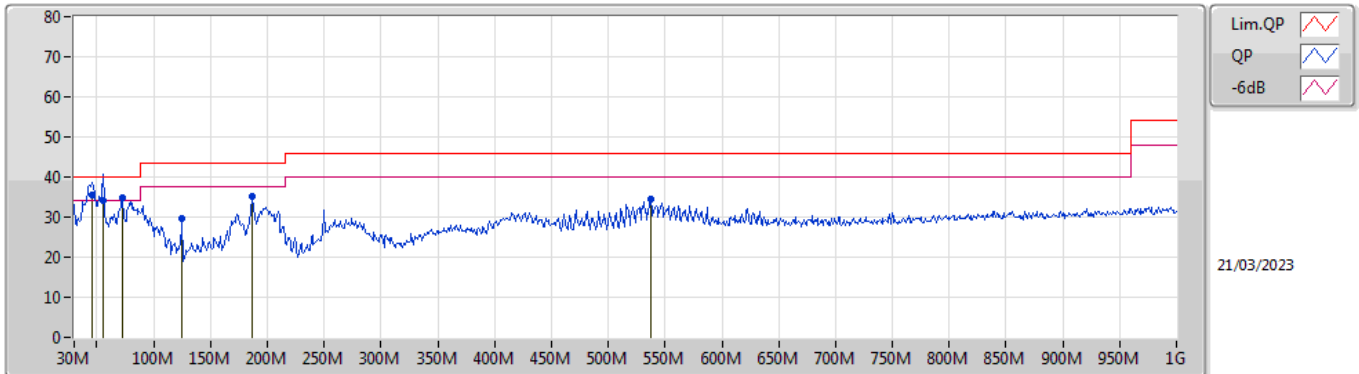
| Sum | PD | Port 1 | Port 2 |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.75 | 3.75 | 1.37 | 0.25 |



Summary

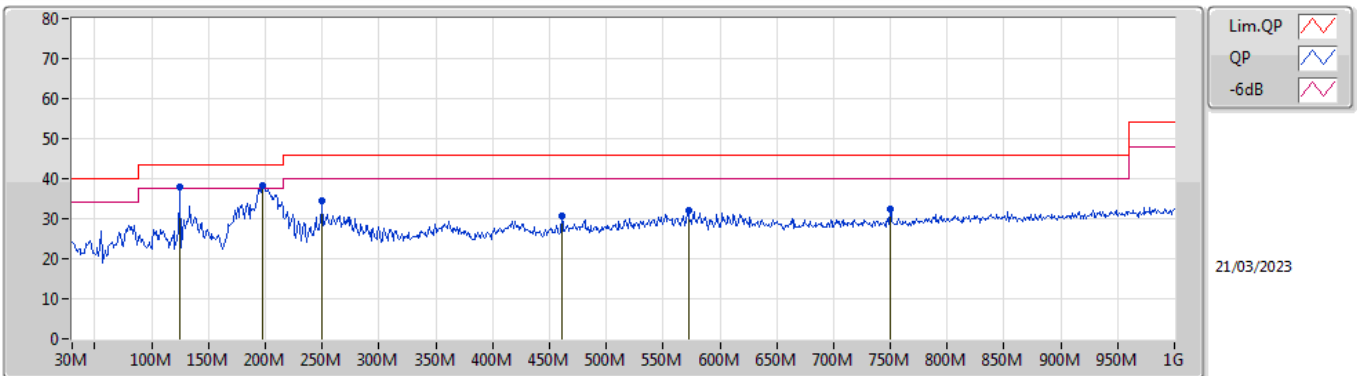
| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Condition |
|--------|--------|------|-----------|----------------|----------------|-------------|-----------|
| Mode 3 | Pass | QP | 45.52M | 35.67 | 40.00 | -4.33 | Vertical |

Mode 3



| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB/m) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | Raw (dBuV/m) | AF (dB/m) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|---------------|----------|-----------|-------------|------------|---------|--------------|-----------|---------|---------|
| QP | 45.52M | 35.67 | 40.00 | -4.33 | -14.83 | 3 | Vertical | 355 | 1.00 | "Worst" | 50.50 | 15.78 | 1.22 | 31.83 |
| QP | 55.22M | 34.21 | 40.00 | -5.79 | -17.89 | 3 | Vertical | 17 | 1.25 | - | 52.10 | 12.69 | 1.31 | 31.89 |
| PK | 72.68M | 34.84 | 40.00 | -5.16 | -18.32 | 3 | Vertical | 174 | 1.25 | - | 53.16 | 12.17 | 1.48 | 31.97 |
| PK | 125.06M | 29.51 | 43.50 | -13.99 | -12.19 | 3 | Vertical | 230 | 1.00 | - | 41.70 | 17.89 | 1.90 | 31.98 |
| PK | 186.17M | 35.33 | 43.50 | -8.17 | -14.80 | 3 | Vertical | 212 | 1.00 | - | 50.13 | 14.88 | 2.33 | 32.01 |
| PK | 537.31M | 34.62 | 46.00 | -11.38 | -4.47 | 3 | Vertical | 155 | 1.00 | - | 39.09 | 23.77 | 4.15 | 32.39 |

Mode 3



| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB/m) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | Raw (dBuV/m) | AF (dB/m) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|---------------|----------|------------|-------------|------------|---------|--------------|-----------|---------|---------|
| PK | 125.06M | 37.92 | 43.50 | -5.58 | -12.19 | 3 | Horizontal | 76 | 3.00 | - | 50.11 | 17.89 | 1.90 | 31.98 |
| PK | 197.81M | 38.16 | 43.50 | -5.34 | -14.62 | 3 | Horizontal | 268 | 1.50 | "Worst" | 52.78 | 14.99 | 2.41 | 32.02 |
| PK | 250.19M | 34.54 | 46.00 | -11.46 | -11.06 | 3 | Horizontal | 137 | 1.00 | - | 45.60 | 18.22 | 2.72 | 32.00 |
| PK | 460.68M | 30.69 | 46.00 | -15.31 | -5.71 | 3 | Horizontal | 240 | 1.50 | - | 36.40 | 22.76 | 3.82 | 32.29 |
| PK | 572.23M | 32.23 | 46.00 | -13.77 | -3.86 | 3 | Horizontal | 239 | 1.50 | - | 36.09 | 24.28 | 4.30 | 32.44 |
| PK | 749.74M | 32.35 | 46.00 | -13.65 | -2.34 | 3 | Horizontal | 139 | 1.25 | - | 34.69 | 25.26 | 5.01 | 32.61 |

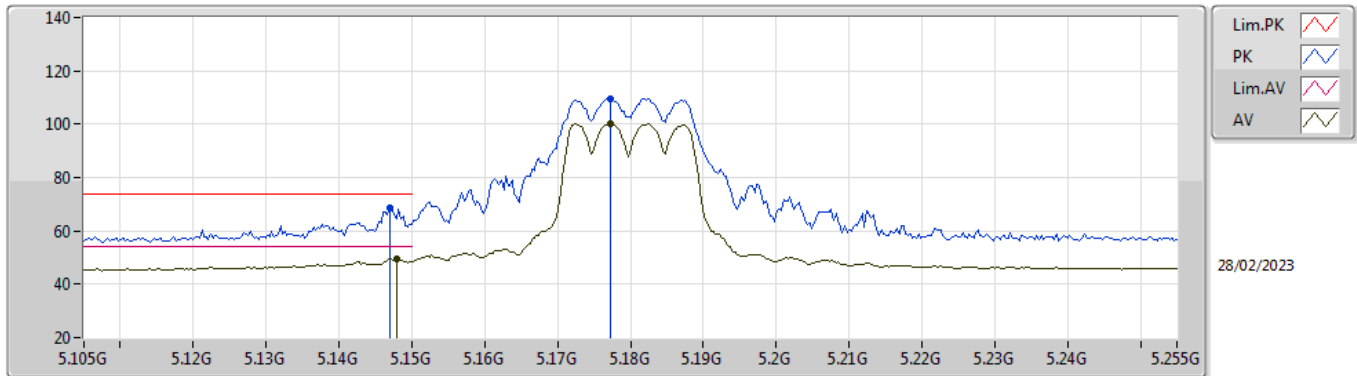


Summary

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|--------------------------------|--------|------|-----------|----------------|----------------|-------------|----------|------------|-------------|------------|----------|
| 5.725-5.85GHz | - | - | - | - | - | - | - | - | - | - | - |
| 802.11be EHT20_Nss1,(MCS0)_2TX | Pass | AV | 11.57G | 53.97 | 54.00 | -0.03 | 3 | Horizontal | 40 | 1.80 | - |

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

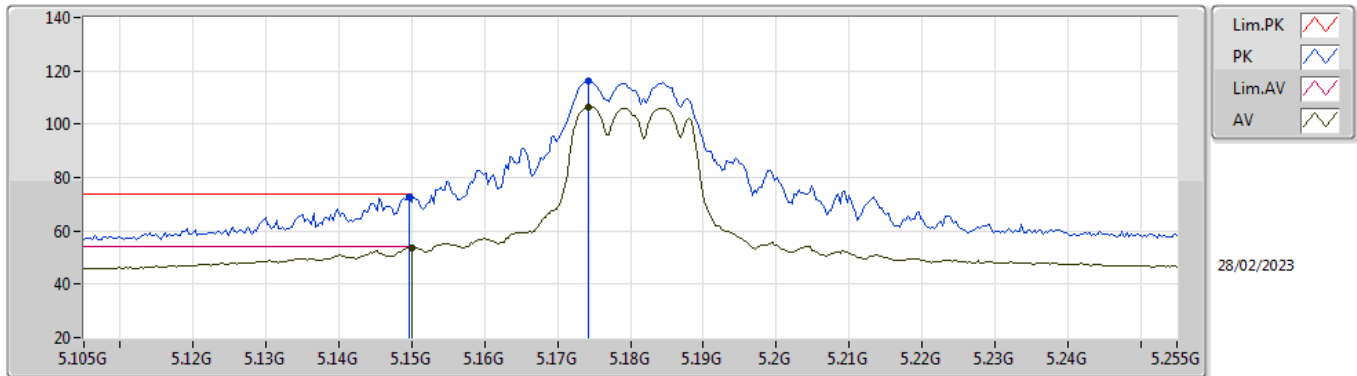


EUT_Z_2TX
Setting 22
01-B-M-2-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 5.147G | 68.39 | 74.00 | -5.61 | 62.11 | 3 | Vertical | 93 | 1.57 | - | 33.10 | 5.97 | 32.79 |
| AV | 5.1479G | 49.36 | 54.00 | -4.64 | 43.08 | 3 | Vertical | 93 | 1.57 | - | 33.10 | 5.97 | 32.79 |
| PK | 5.1773G | 109.68 | Inf | -Inf | 103.32 | 3 | Vertical | 93 | 1.57 | - | 33.15 | 5.99 | 32.78 |
| AV | 5.1773G | 100.21 | Inf | -Inf | 93.85 | 3 | Vertical | 93 | 1.57 | - | 33.15 | 5.99 | 32.78 |

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

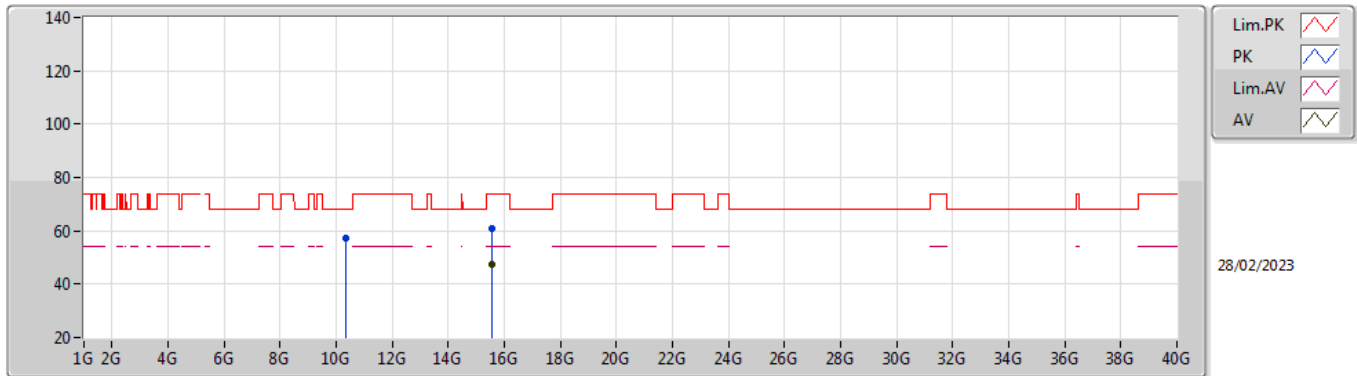


EUT_Z_2TX
 Setting 22
 01-B-M-2-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 5.1497G | 72.56 | 74.00 | -1.44 | 66.28 | 3 | Horizontal | 350 | 2.49 | - | 33.10 | 5.97 | 32.79 |
| AV | 5.15G | 53.71 | 54.00 | -0.29 | 47.43 | 3 | Horizontal | 350 | 2.49 | - | 33.10 | 5.97 | 32.79 |
| PK | 5.1743G | 115.98 | Inf | -Inf | 109.62 | 3 | Horizontal | 350 | 2.49 | - | 33.15 | 5.99 | 32.78 |
| AV | 5.1743G | 106.62 | Inf | -Inf | 100.26 | 3 | Horizontal | 350 | 2.49 | - | 33.15 | 5.99 | 32.78 |

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

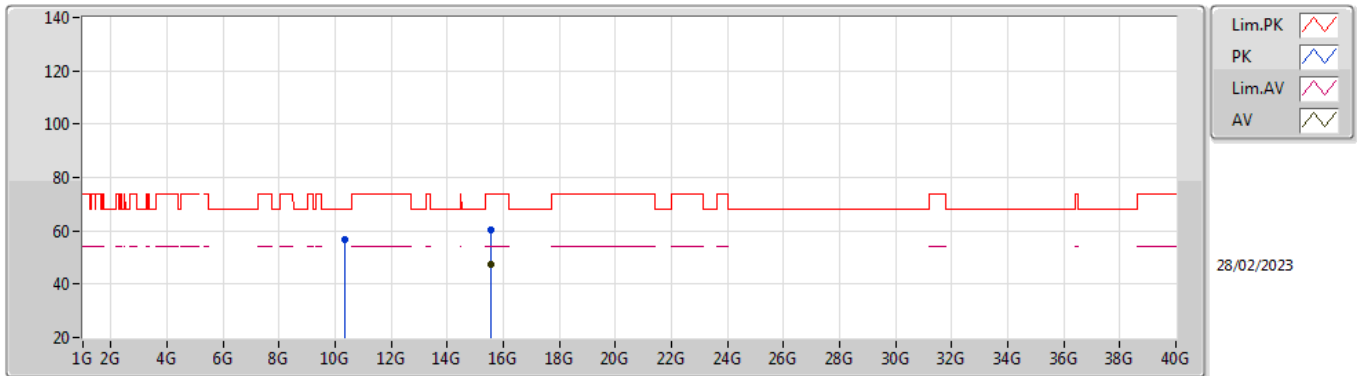


EUT_Z_2TX
Setting 22
01-B-M-2

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 10.36G | 57.47 | 68.20 | -10.73 | 42.10 | 3 | Vertical | 356 | 2.14 | - | 38.72 | 8.44 | 31.79 |
| PK | 15.54524G | 60.88 | 74.00 | -13.12 | 42.57 | 3 | Vertical | 222 | 2.16 | - | 38.51 | 10.52 | 30.72 |
| AV | 15.53492G | 47.28 | 54.00 | -6.72 | 28.96 | 3 | Vertical | 222 | 2.16 | - | 38.53 | 10.51 | 30.72 |

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

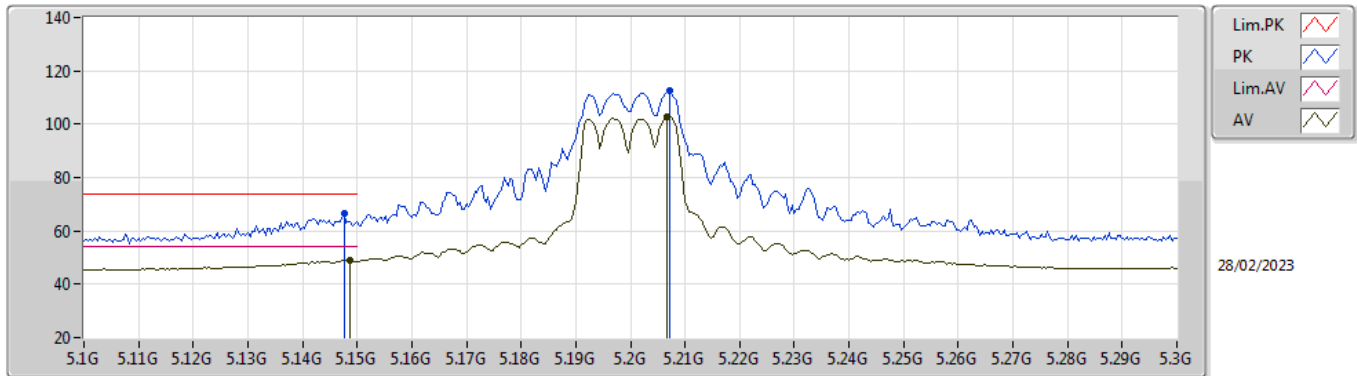


EUT_Z_2TX
 Setting 22
 01-B-M-2

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 10.36372G | 56.93 | 68.20 | -11.27 | 41.54 | 3 | Horizontal | 164 | 2.88 | - | 38.73 | 8.45 | 31.79 |
| PK | 15.54828G | 60.48 | 74.00 | -13.52 | 42.18 | 3 | Horizontal | 329 | 2.42 | - | 38.50 | 10.52 | 30.72 |
| AV | 15.5458G | 47.35 | 54.00 | -6.65 | 29.04 | 3 | Horizontal | 329 | 2.42 | - | 38.51 | 10.52 | 30.72 |

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

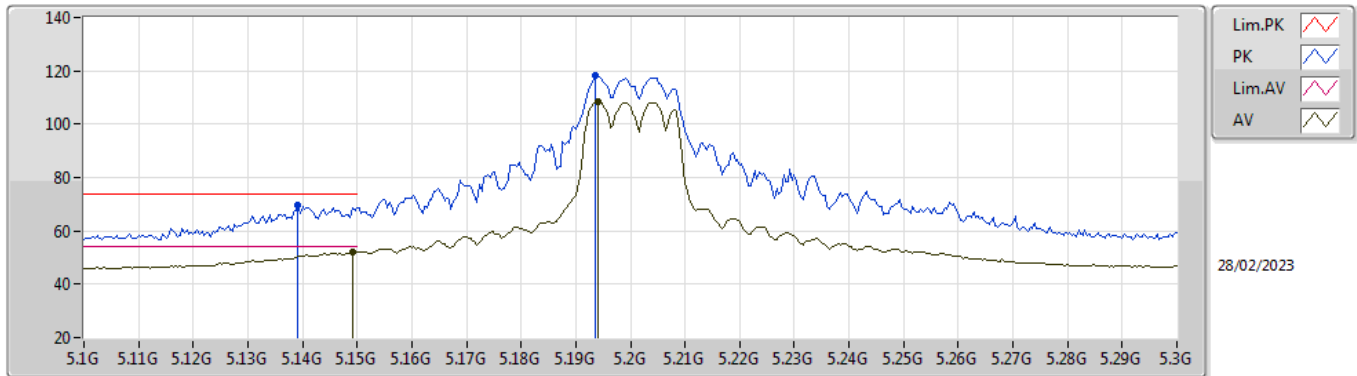


EUT_Z_2TX
 Setting 24.5
 01-B-M-2-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 5.1476G | 66.65 | 74.00 | -7.35 | 60.37 | 3 | Vertical | 92 | 1.54 | - | 33.10 | 5.97 | 32.79 |
| AV | 5.1488G | 48.84 | 54.00 | -5.16 | 42.56 | 3 | Vertical | 92 | 1.54 | - | 33.10 | 5.97 | 32.79 |
| PK | 5.2072G | 112.75 | Inf | -Inf | 106.30 | 3 | Vertical | 92 | 1.54 | - | 33.21 | 6.00 | 32.76 |
| AV | 5.2068G | 102.58 | Inf | -Inf | 96.13 | 3 | Vertical | 92 | 1.54 | - | 33.21 | 6.00 | 32.76 |

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

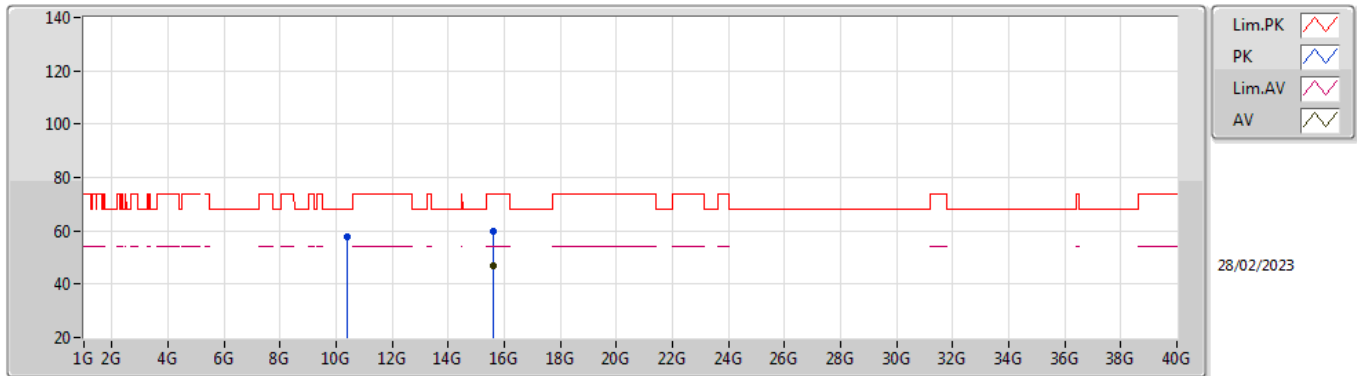


EUT_Z_2TX
 Setting 24.5
 01-B-M-2-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 5.1392G | 69.55 | 74.00 | -4.45 | 63.27 | 3 | Horizontal | 353 | 2.48 | - | 33.10 | 5.97 | 32.79 |
| AV | 5.1492G | 52.08 | 54.00 | -1.92 | 45.80 | 3 | Horizontal | 353 | 2.48 | - | 33.10 | 5.97 | 32.79 |
| PK | 5.1936G | 118.37 | Inf | -Inf | 111.95 | 3 | Horizontal | 353 | 2.48 | - | 33.19 | 6.00 | 32.77 |
| AV | 5.194G | 108.59 | Inf | -Inf | 102.17 | 3 | Horizontal | 353 | 2.48 | - | 33.19 | 6.00 | 32.77 |

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

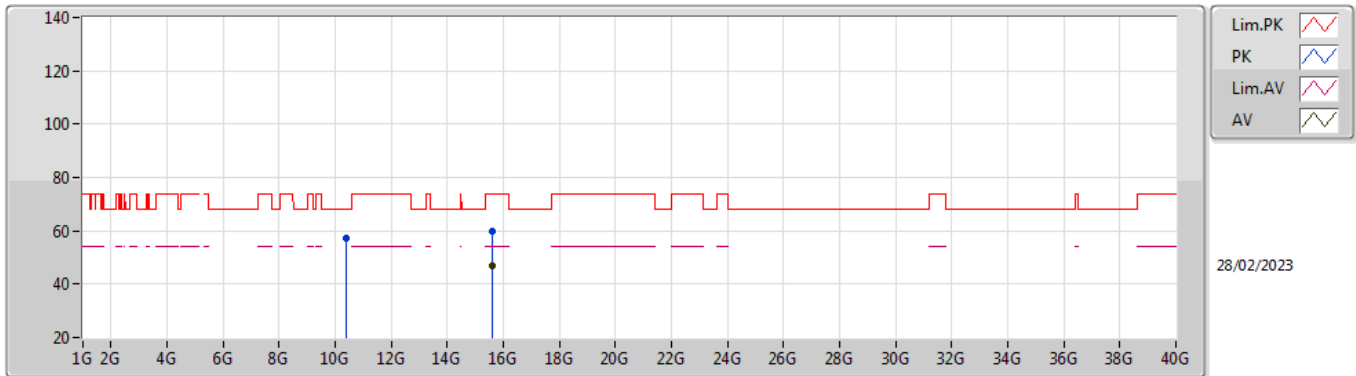


EUT_Z_2TX
 Setting 24.5
 01-B-M-2

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 10.39988G | 57.75 | 68.20 | -10.45 | 42.24 | 3 | Vertical | 354 | 2.17 | - | 38.80 | 8.46 | 31.75 |
| PK | 15.60088G | 59.67 | 74.00 | -14.33 | 41.43 | 3 | Vertical | 126 | 1.32 | - | 38.40 | 10.54 | 30.70 |
| AV | 15.59128G | 47.01 | 54.00 | -6.99 | 28.75 | 3 | Vertical | 126 | 1.32 | - | 38.42 | 10.54 | 30.70 |

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

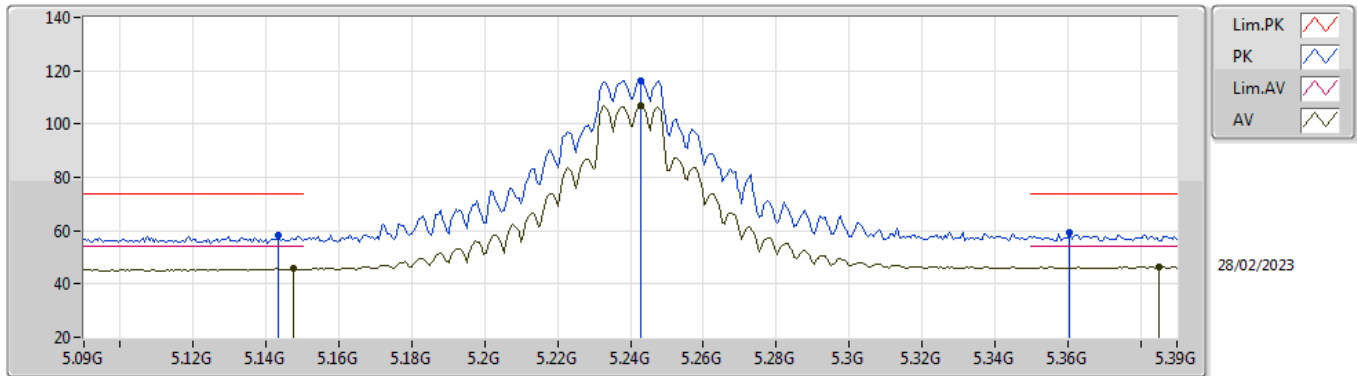


EUT_Z_2TX
 Setting 24.5
 01-B-M-2

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 10.4G | 57.28 | 68.20 | -10.92 | 41.77 | 3 | Horizontal | 326 | 1.80 | - | 38.80 | 8.46 | 31.75 |
| PK | 15.60392G | 59.89 | 74.00 | -14.11 | 41.65 | 3 | Horizontal | 290 | 2.60 | - | 38.40 | 10.54 | 30.70 |
| AV | 15.59808G | 46.92 | 54.00 | -7.08 | 28.68 | 3 | Horizontal | 290 | 2.60 | - | 38.40 | 10.54 | 30.70 |

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

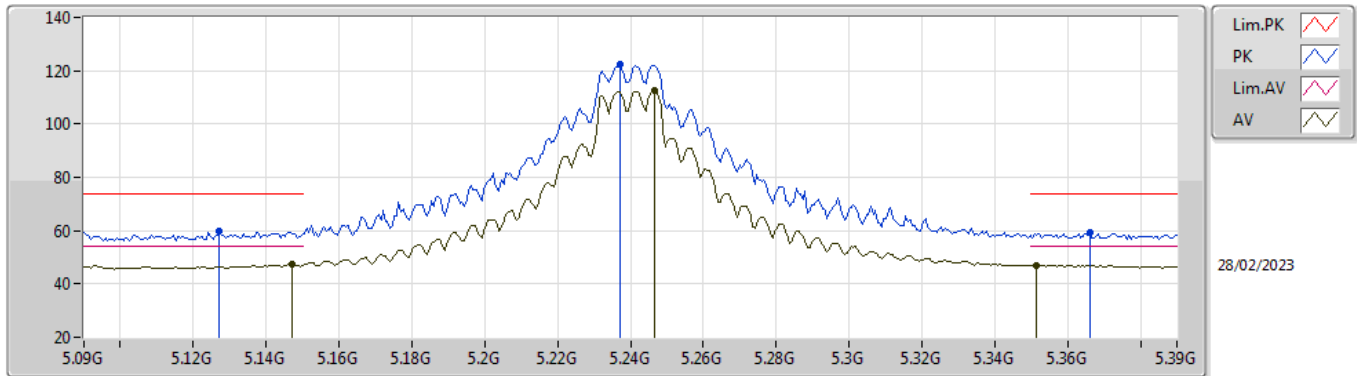


EUT_Z_2TX
Setting 28
01-B-M-2-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 5.1434G | 58.10 | 74.00 | -15.90 | 51.82 | 3 | Vertical | 107 | 2.34 | - | 33.10 | 5.97 | 32.79 |
| AV | 5.1476G | 45.75 | 54.00 | -8.25 | 39.47 | 3 | Vertical | 107 | 2.34 | - | 33.10 | 5.97 | 32.79 |
| PK | 5.243G | 116.32 | Inf | -Inf | 109.76 | 3 | Vertical | 107 | 2.34 | - | 33.29 | 6.02 | 32.75 |
| AV | 5.243G | 106.71 | Inf | -Inf | 100.15 | 3 | Vertical | 107 | 2.34 | - | 33.29 | 6.02 | 32.75 |
| PK | 5.3606G | 59.09 | 74.00 | -14.91 | 52.17 | 3 | Vertical | 107 | 2.34 | - | 33.54 | 6.08 | 32.70 |
| AV | 5.3852G | 46.38 | 54.00 | -7.62 | 39.34 | 3 | Vertical | 107 | 2.34 | - | 33.64 | 6.09 | 32.69 |

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

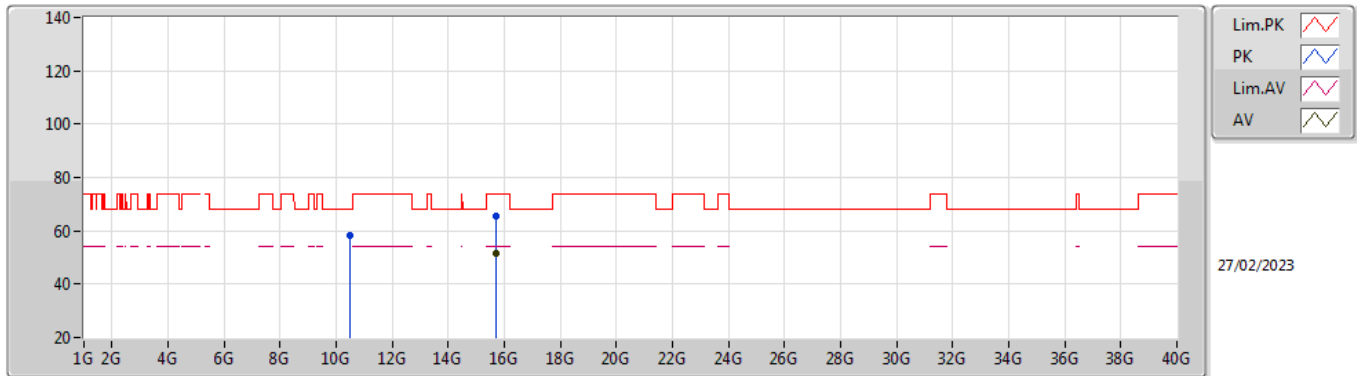


EUT_Z_2TX
Setting 28
01-B-M-2-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 5.1272G | 59.76 | 74.00 | -14.24 | 53.50 | 3 | Horizontal | 350 | 1.00 | - | 33.10 | 5.96 | 32.80 |
| AV | 5.147G | 47.34 | 54.00 | -6.66 | 41.06 | 3 | Horizontal | 350 | 1.00 | - | 33.10 | 5.97 | 32.79 |
| PK | 5.237G | 122.42 | Inf | -Inf | 115.88 | 3 | Horizontal | 350 | 1.00 | - | 33.27 | 6.02 | 32.75 |
| AV | 5.2466G | 112.58 | Inf | -Inf | 106.02 | 3 | Horizontal | 350 | 1.00 | - | 33.29 | 6.02 | 32.75 |
| PK | 5.366G | 59.18 | 74.00 | -14.82 | 52.24 | 3 | Horizontal | 350 | 1.00 | - | 33.56 | 6.08 | 32.70 |
| AV | 5.3516G | 47.02 | 54.00 | -6.98 | 40.13 | 3 | Horizontal | 350 | 1.00 | - | 33.51 | 6.08 | 32.70 |

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

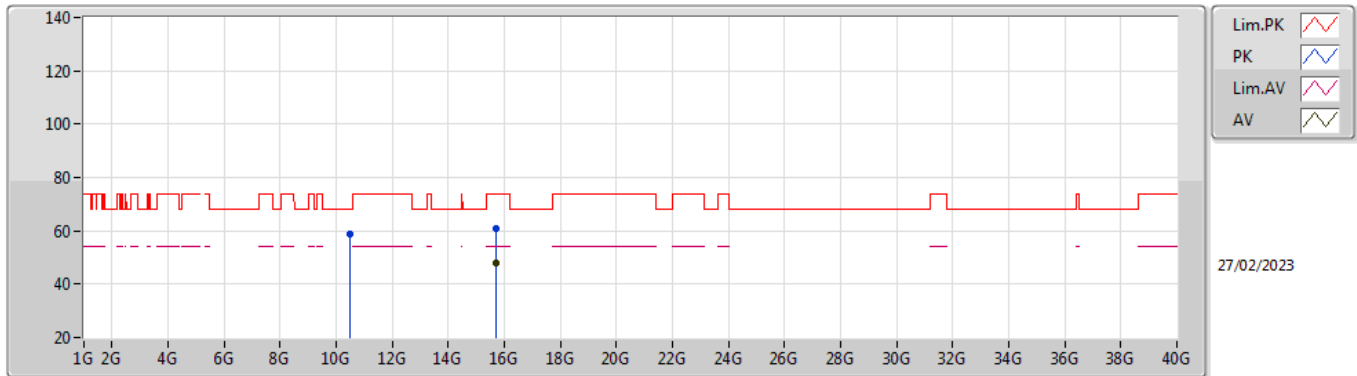


EUT_Z_2TX
 Setting 28
 01-B-M-2

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 10.48004G | 58.26 | 68.20 | -9.94 | 42.63 | 3 | Vertical | 356 | 2.14 | - | 38.80 | 8.49 | 31.66 |
| PK | 15.71836G | 65.37 | 74.00 | -8.63 | 47.08 | 3 | Vertical | 326 | 1.93 | - | 38.36 | 10.59 | 30.66 |
| AV | 15.72272G | 51.50 | 54.00 | -2.50 | 33.20 | 3 | Vertical | 326 | 1.93 | - | 38.37 | 10.59 | 30.66 |

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

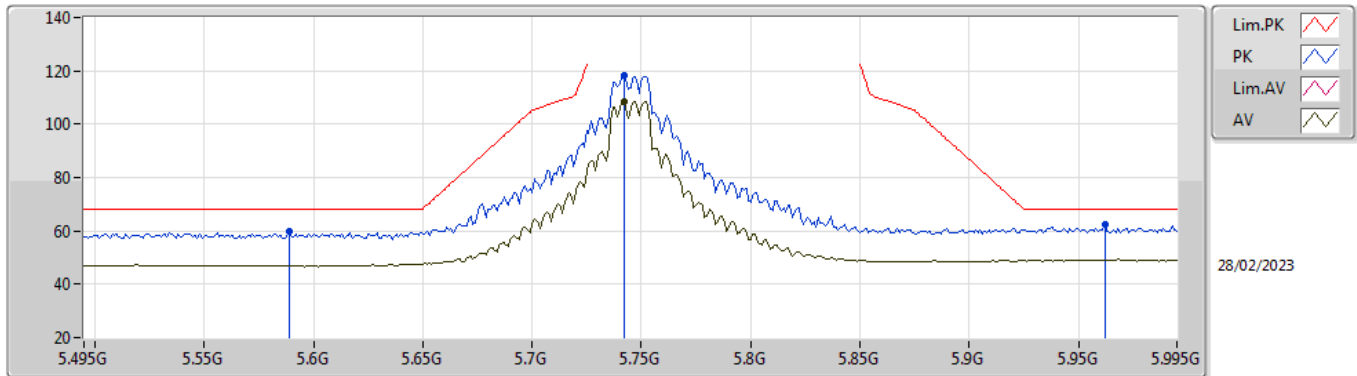


EUT_Z_2TX
 Setting 28
 01-B-M-2

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 10.47764G | 58.82 | 68.20 | -9.38 | 43.19 | 3 | Horizontal | 337 | 2.13 | - | 38.80 | 8.49 | 31.66 |
| PK | 15.71848G | 61.11 | 74.00 | -12.89 | 42.82 | 3 | Horizontal | 66 | 3.00 | - | 38.36 | 10.59 | 30.66 |
| AV | 15.7234G | 48.06 | 54.00 | -5.94 | 29.76 | 3 | Horizontal | 66 | 3.00 | - | 38.37 | 10.59 | 30.66 |

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

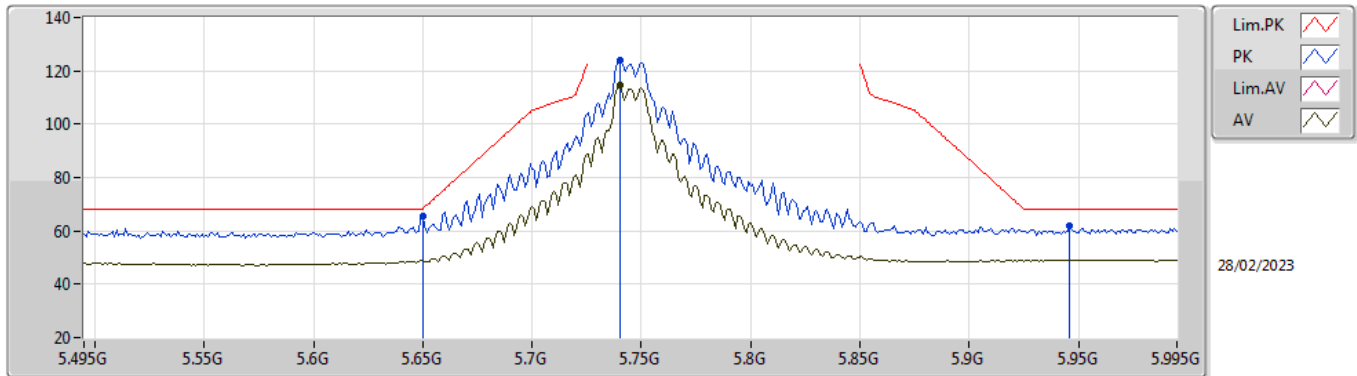


EUT_Y_2TX
 Setting 28
 01-B-E-5-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 5.589G | 59.72 | 68.20 | -8.48 | 51.95 | 3 | Vertical | 353 | 3.00 | - | 34.26 | 6.19 | 32.68 |
| PK | 5.742G | 118.53 | Inf | -Inf | 110.50 | 3 | Vertical | 353 | 3.00 | - | 34.50 | 6.27 | 32.74 |
| AV | 5.742G | 108.64 | Inf | -Inf | 100.61 | 3 | Vertical | 353 | 3.00 | - | 34.50 | 6.27 | 32.74 |
| PK | 5.962G | 62.57 | 68.20 | -5.63 | 53.51 | 3 | Vertical | 353 | 3.00 | - | 35.50 | 6.38 | 32.82 |

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

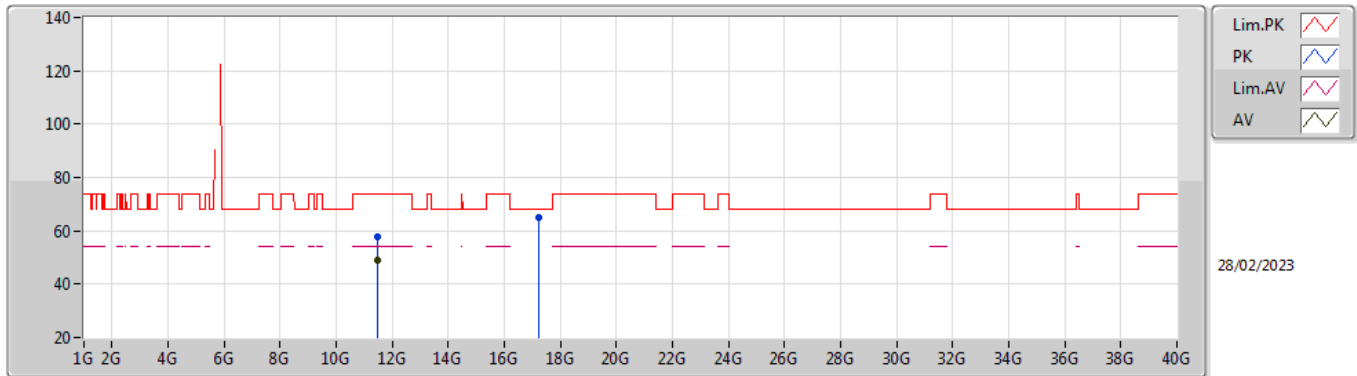


EUT_Y_2TX
 Setting 28
 01-B-E-5-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 5.65G | 65.46 | 68.20 | -2.74 | 57.64 | 3 | Horizontal | 104 | 2.23 | - | 34.30 | 6.22 | 32.70 |
| PK | 5.74G | 123.96 | Inf | -Inf | 115.93 | 3 | Horizontal | 104 | 2.23 | - | 34.50 | 6.27 | 32.74 |
| AV | 5.74G | 114.70 | Inf | -Inf | 106.67 | 3 | Horizontal | 104 | 2.23 | - | 34.50 | 6.27 | 32.74 |
| PK | 5.946G | 61.89 | 68.20 | -6.31 | 52.86 | 3 | Horizontal | 104 | 2.23 | - | 35.48 | 6.37 | 32.82 |

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

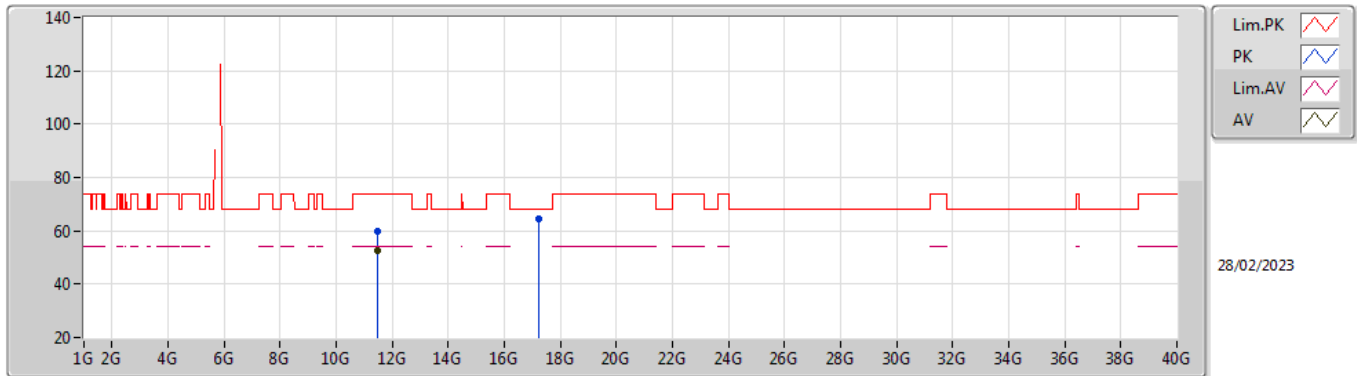


EUT Y_2TX
 Setting 28
 01-B-E-5

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 11.48988G | 57.98 | 74.00 | -16.02 | 42.03 | 3 | Vertical | 44 | 2.41 | - | 38.80 | 8.90 | 31.75 |
| AV | 11.49G | 48.79 | 54.00 | -5.21 | 32.84 | 3 | Vertical | 44 | 2.41 | - | 38.80 | 8.90 | 31.75 |
| PK | 17.23948G | 64.87 | 68.20 | -3.33 | 41.79 | 3 | Vertical | 321 | 2.31 | - | 42.06 | 11.20 | 30.18 |

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

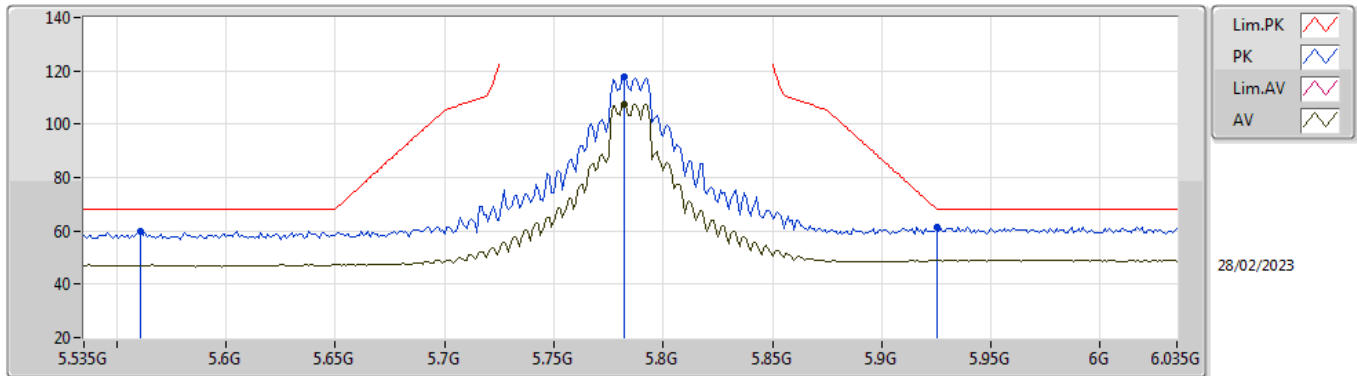


EUT Y_2TX
Setting 28
01-B-E-5

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 11.48988G | 59.99 | 74.00 | -14.01 | 44.04 | 3 | Horizontal | 38 | 1.80 | - | 38.80 | 8.90 | 31.75 |
| AV | 11.49G | 52.74 | 54.00 | -1.26 | 36.79 | 3 | Horizontal | 38 | 1.80 | - | 38.80 | 8.90 | 31.75 |
| PK | 17.2325G | 64.45 | 68.20 | -3.75 | 41.40 | 3 | Horizontal | 47 | 1.49 | - | 42.03 | 11.19 | 30.17 |

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

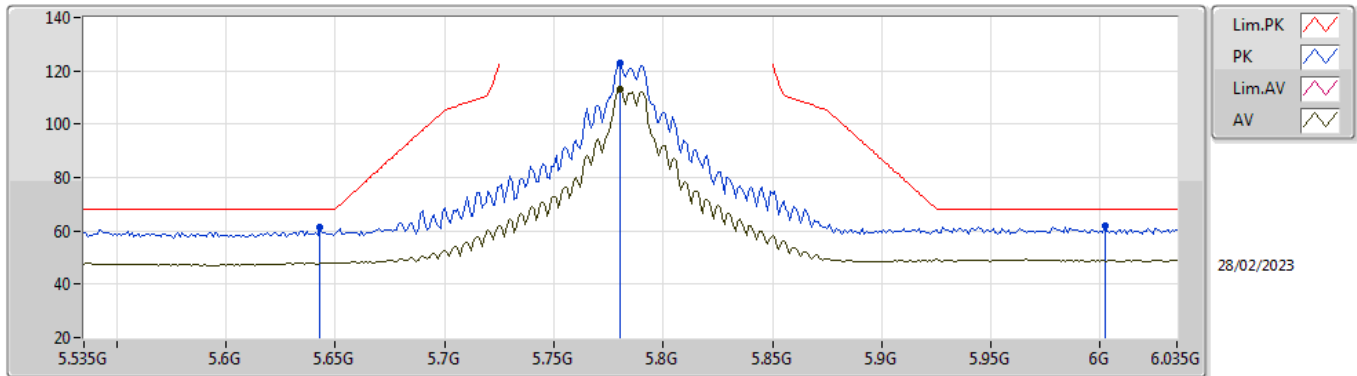


EUT_Y_2TX
 Setting 28
 01-B-E-5-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 5.561G | 59.88 | 68.20 | -8.32 | 52.22 | 3 | Vertical | 360 | 2.84 | - | 34.14 | 6.18 | 32.66 |
| PK | 5.782G | 117.92 | Inf | -Inf | 109.82 | 3 | Vertical | 360 | 2.84 | - | 34.56 | 6.29 | 32.75 |
| AV | 5.782G | 107.64 | Inf | -Inf | 99.54 | 3 | Vertical | 360 | 2.84 | - | 34.56 | 6.29 | 32.75 |
| PK | 5.925G | 61.32 | 68.20 | -6.88 | 52.37 | 3 | Vertical | 360 | 2.84 | - | 35.40 | 6.36 | 32.81 |

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

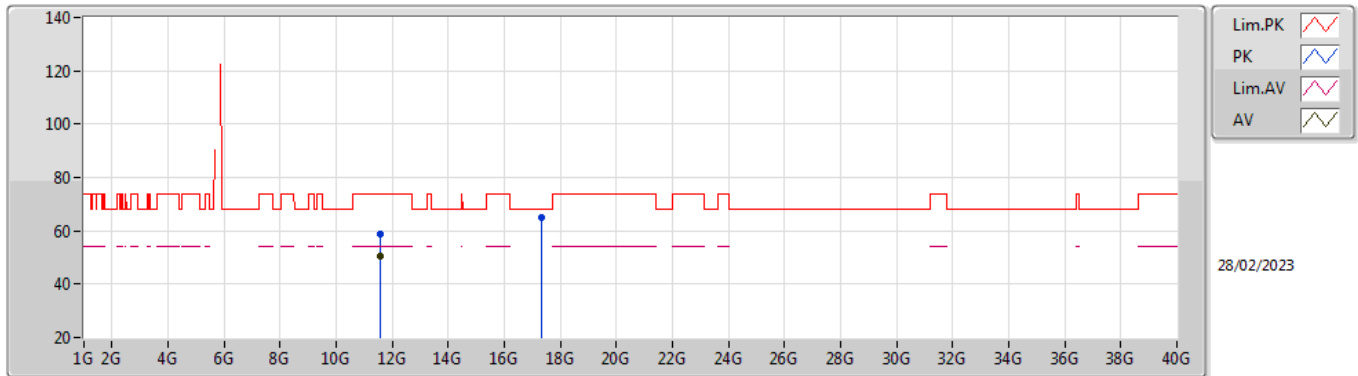


EUT Y_2TX
 Setting 28
 01-B-E-5-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 5.643G | 61.26 | 68.20 | -6.94 | 53.44 | 3 | Horizontal | 103 | 2.32 | - | 34.30 | 6.22 | 32.70 |
| PK | 5.78G | 122.82 | Inf | -Inf | 114.72 | 3 | Horizontal | 103 | 2.32 | - | 34.56 | 6.29 | 32.75 |
| AV | 5.78G | 113.32 | Inf | -Inf | 105.22 | 3 | Horizontal | 103 | 2.32 | - | 34.56 | 6.29 | 32.75 |
| PK | 6.002G | 61.93 | 68.20 | -6.27 | 52.87 | 3 | Horizontal | 103 | 2.32 | - | 35.50 | 6.40 | 32.84 |

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

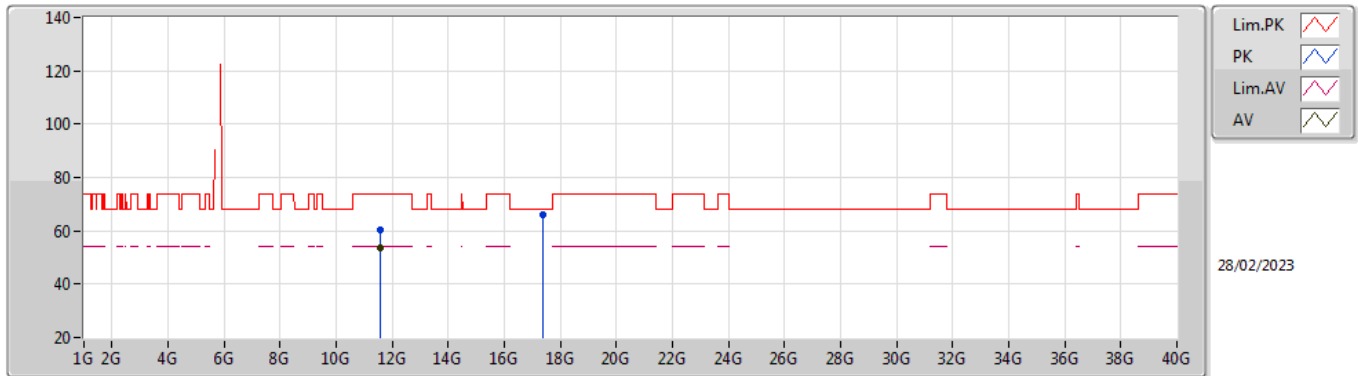


EUT Y_2TX
 Setting 28
 01-B-E-5

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 11.56976G | 58.67 | 74.00 | -15.33 | 42.65 | 3 | Vertical | 45 | 2.40 | - | 38.80 | 8.93 | 31.71 |
| AV | 11.57012G | 50.28 | 54.00 | -3.72 | 34.26 | 3 | Vertical | 45 | 2.40 | - | 38.80 | 8.93 | 31.71 |
| PK | 17.35208G | 65.18 | 68.20 | -3.02 | 41.84 | 3 | Vertical | 88 | 1.22 | - | 42.46 | 11.24 | 30.36 |

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

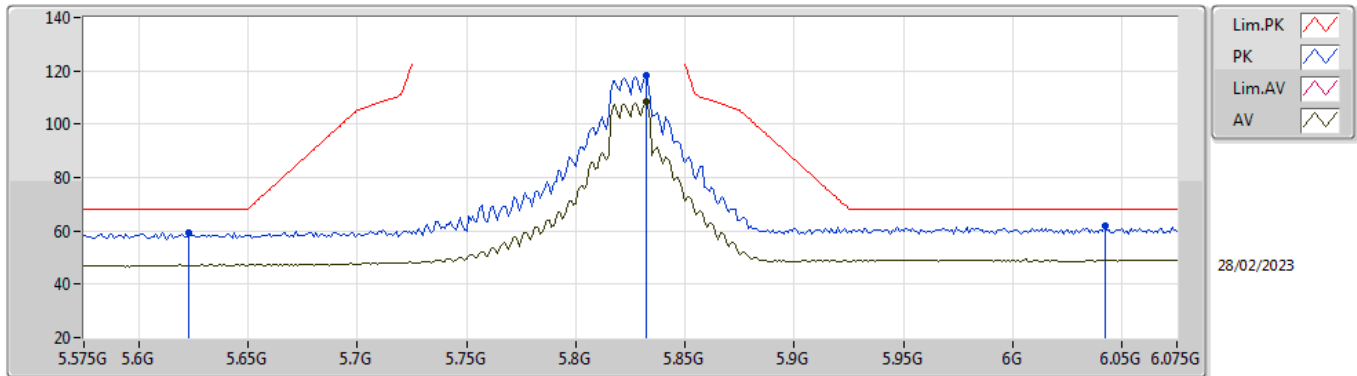


EUT Y_2TX
Setting 28
01-B-E-5

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 11.56976G | 60.17 | 74.00 | -13.83 | 44.15 | 3 | Horizontal | 41 | 1.80 | - | 38.80 | 8.93 | 31.71 |
| AV | 11.56988G | 53.84 | 54.00 | -0.16 | 37.82 | 3 | Horizontal | 41 | 1.80 | - | 38.80 | 8.93 | 31.71 |
| PK | 17.35516G | 65.80 | 68.20 | -2.40 | 42.45 | 3 | Horizontal | 291 | 1.82 | - | 42.47 | 11.24 | 30.36 |

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

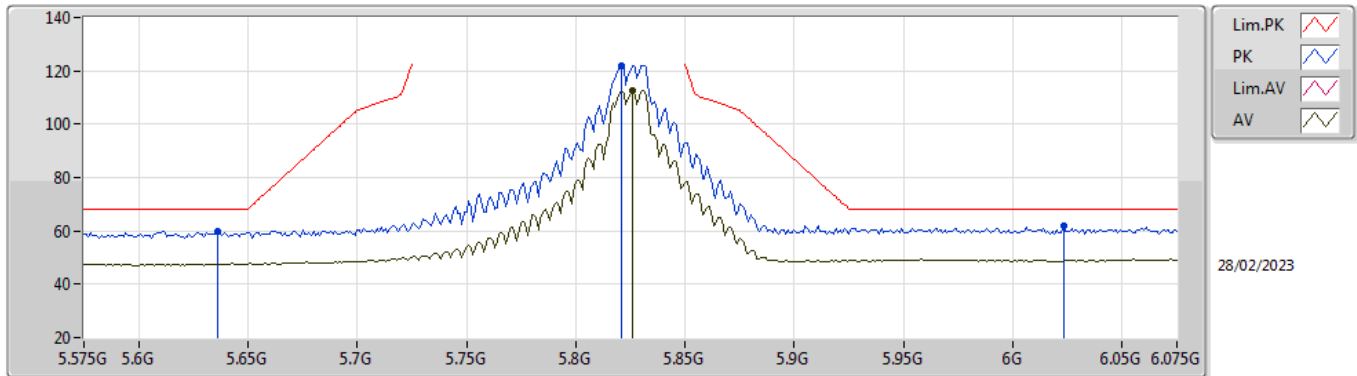


EUT_Y_2TX
 Setting 28
 01-B-E-5-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 5.623G | 59.45 | 68.20 | -8.75 | 51.63 | 3 | Vertical | 359 | 2.93 | - | 34.30 | 6.21 | 32.69 |
| PK | 5.832G | 118.12 | Inf | -Inf | 109.78 | 3 | Vertical | 359 | 2.93 | - | 34.79 | 6.32 | 32.77 |
| AV | 5.832G | 108.29 | Inf | -Inf | 99.95 | 3 | Vertical | 359 | 2.93 | - | 34.79 | 6.32 | 32.77 |
| PK | 6.042G | 61.79 | 68.20 | -6.41 | 52.63 | 3 | Vertical | 359 | 2.93 | - | 35.58 | 6.42 | 32.84 |

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

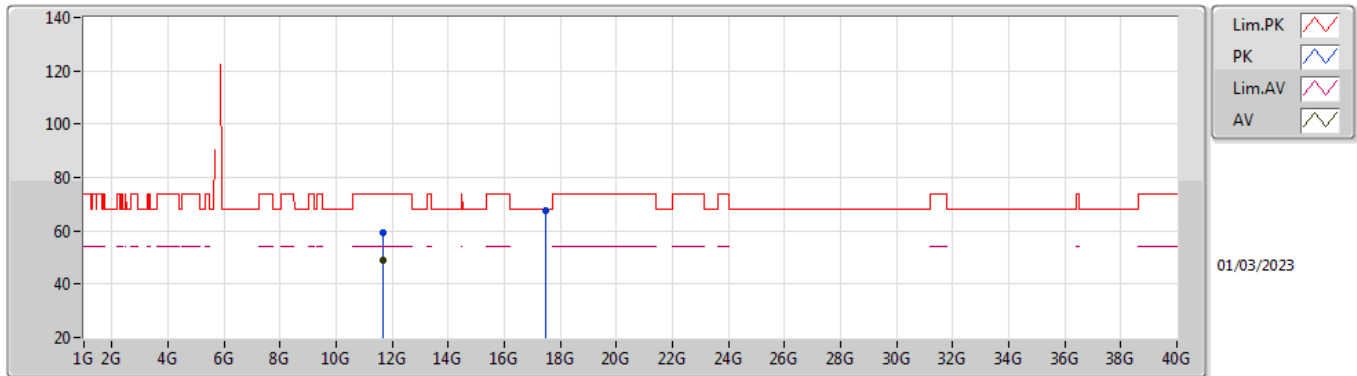


EUT_Y_2TX
 Setting 28
 01-B-E-5-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 5.636G | 59.98 | 68.20 | -8.22 | 52.15 | 3 | Horizontal | 99 | 1.80 | - | 34.30 | 6.22 | 32.69 |
| PK | 5.821G | 122.06 | Inf | -Inf | 113.79 | 3 | Horizontal | 99 | 1.80 | - | 34.73 | 6.31 | 32.77 |
| AV | 5.826G | 112.58 | Inf | -Inf | 104.28 | 3 | Horizontal | 99 | 1.80 | - | 34.76 | 6.31 | 32.77 |
| PK | 6.023G | 61.70 | 68.20 | -6.50 | 52.58 | 3 | Horizontal | 99 | 1.80 | - | 35.55 | 6.41 | 32.84 |

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

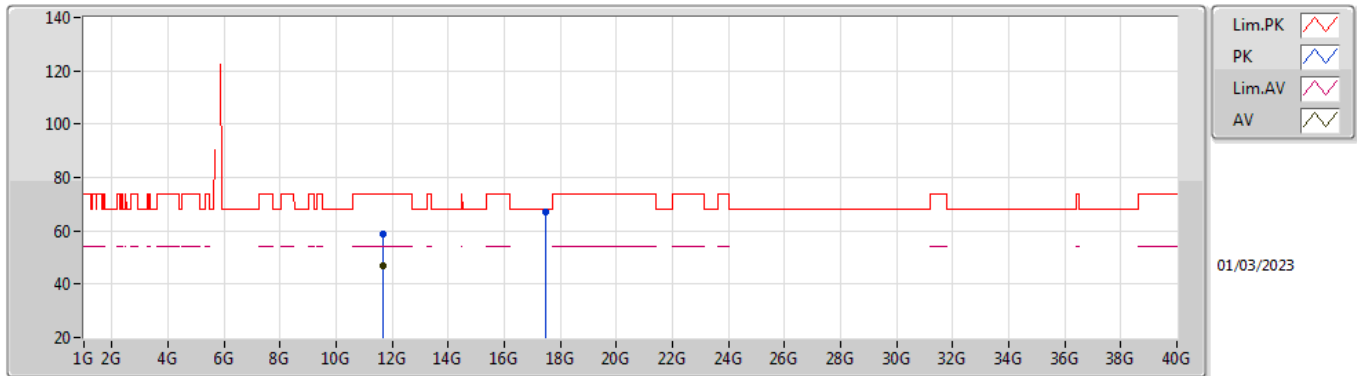


EUT Y_2TX
 Setting 28
 01-F-E-5

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 11.65162G | 59.37 | 74.00 | -14.63 | 43.24 | 3 | Vertical | 110 | 1.80 | - | 38.85 | 8.96 | 31.68 |
| AV | 11.65006G | 49.16 | 54.00 | -4.84 | 33.03 | 3 | Vertical | 110 | 1.80 | - | 38.85 | 8.96 | 31.68 |
| PK | 17.47326G | 67.50 | 68.20 | -0.70 | 44.23 | 3 | Vertical | 48 | 1.80 | - | 42.53 | 11.29 | 30.55 |

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

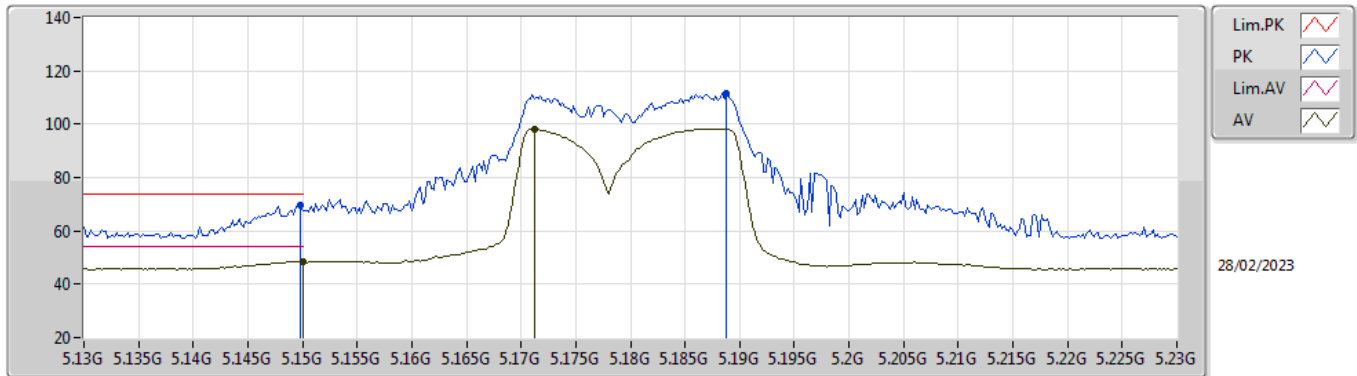


EUT Y_2TX
 Setting 28
 01-F-E-5

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 11.65006G | 59.00 | 74.00 | -15.00 | 42.87 | 3 | Horizontal | 28 | 1.76 | - | 38.85 | 8.96 | 31.68 |
| AV | 11.65G | 46.99 | 54.00 | -7.01 | 30.86 | 3 | Horizontal | 28 | 1.76 | - | 38.85 | 8.96 | 31.68 |
| PK | 17.48658G | 67.16 | 68.20 | -1.04 | 43.93 | 3 | Horizontal | 289 | 1.95 | - | 42.51 | 11.29 | 30.57 |

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5180MHz_TX

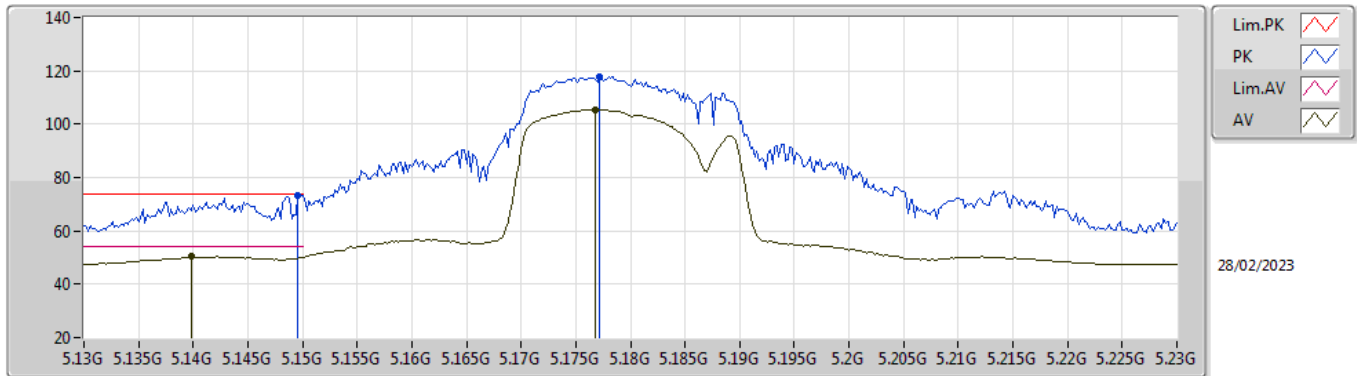


EUT_Z_2TX
 Setting 22.5
 01-B-M-2-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 5.1498G | 69.87 | 74.00 | -4.13 | 63.59 | 3 | Vertical | 92 | 1.56 | - | 33.10 | 5.97 | 32.79 |
| AV | 5.15G | 48.48 | 54.00 | -5.52 | 42.20 | 3 | Vertical | 92 | 1.56 | - | 33.10 | 5.97 | 32.79 |
| PK | 5.1888G | 111.64 | Inf | -Inf | 105.24 | 3 | Vertical | 92 | 1.56 | - | 33.18 | 5.99 | 32.77 |
| AV | 5.1712G | 98.30 | Inf | -Inf | 91.95 | 3 | Vertical | 92 | 1.56 | - | 33.14 | 5.99 | 32.78 |

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5180MHz_TX

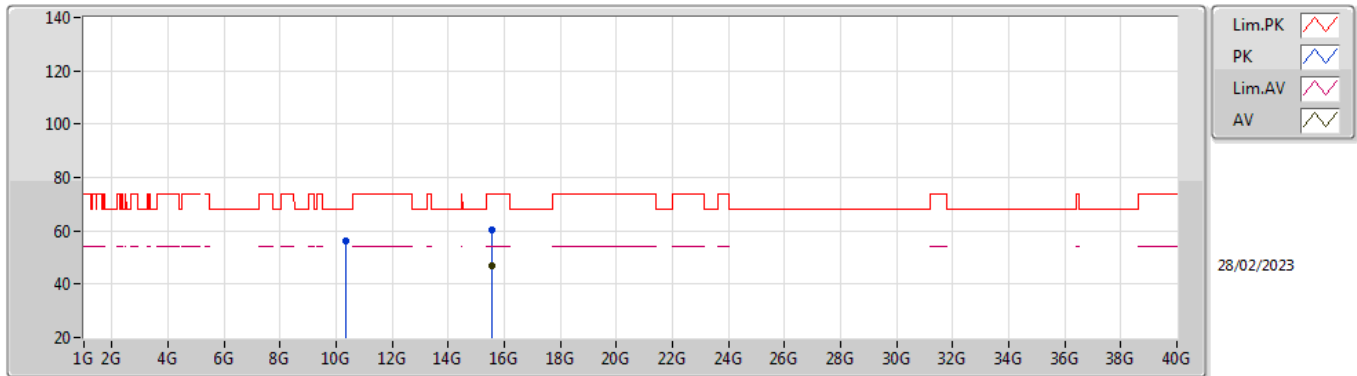


EUT_Z_2TX
 Setting 22.5
 01-B-M-2-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 5.1496G | 73.40 | 74.00 | -0.60 | 67.12 | 3 | Horizontal | 349 | 2.48 | - | 33.10 | 5.97 | 32.79 |
| AV | 5.1398G | 50.38 | 54.00 | -3.62 | 44.10 | 3 | Horizontal | 349 | 2.48 | - | 33.10 | 5.97 | 32.79 |
| PK | 5.1772G | 117.95 | Inf | -Inf | 111.59 | 3 | Horizontal | 349 | 2.48 | - | 33.15 | 5.99 | 32.78 |
| AV | 5.1768G | 105.35 | Inf | -Inf | 98.99 | 3 | Horizontal | 349 | 2.48 | - | 33.15 | 5.99 | 32.78 |

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5180MHz_TX

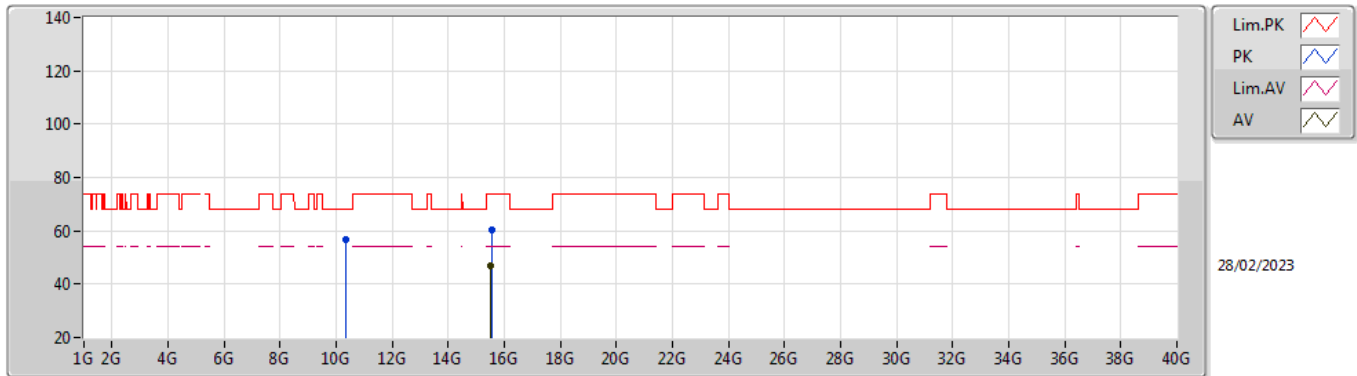


EUT_Z_2TX
 Setting 22.5
 01-B-M-2

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 10.36016G | 56.24 | 68.20 | -11.96 | 40.87 | 3 | Vertical | 86 | 2.53 | - | 38.72 | 8.44 | 31.79 |
| PK | 15.54508G | 60.56 | 74.00 | -13.44 | 42.25 | 3 | Vertical | 243 | 2.39 | - | 38.51 | 10.52 | 30.72 |
| AV | 15.53884G | 46.94 | 54.00 | -7.06 | 28.62 | 3 | Vertical | 243 | 2.39 | - | 38.52 | 10.52 | 30.72 |

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5180MHz_TX

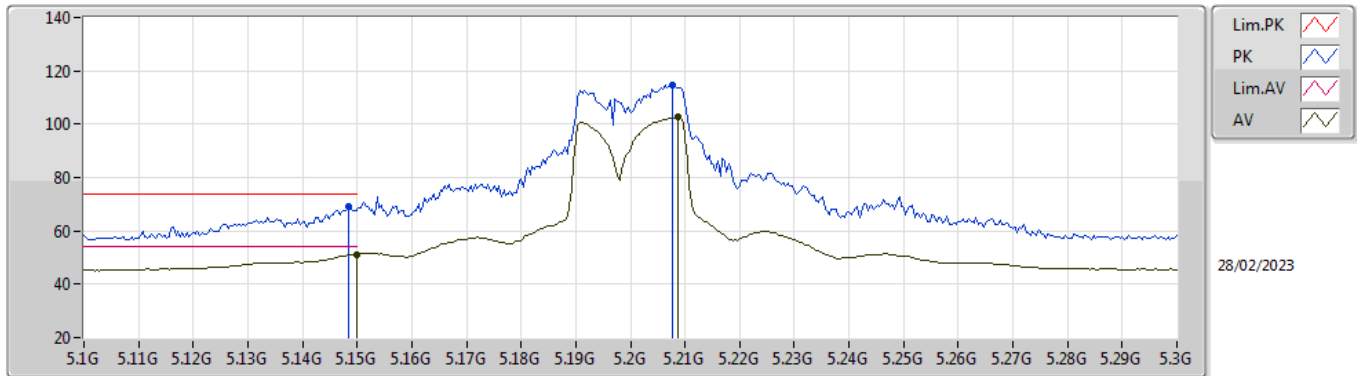


EUT_Z_2TX
 Setting 22.5
 01-B-M-2

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 10.36004G | 56.50 | 68.20 | -11.70 | 41.13 | 3 | Horizontal | 186 | 1.81 | - | 38.72 | 8.44 | 31.79 |
| PK | 15.54564G | 60.44 | 74.00 | -13.56 | 42.13 | 3 | Horizontal | 309 | 1.11 | - | 38.51 | 10.52 | 30.72 |
| AV | 15.53052G | 46.87 | 54.00 | -7.13 | 28.54 | 3 | Horizontal | 309 | 1.11 | - | 38.54 | 10.51 | 30.72 |

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5200MHz_TX

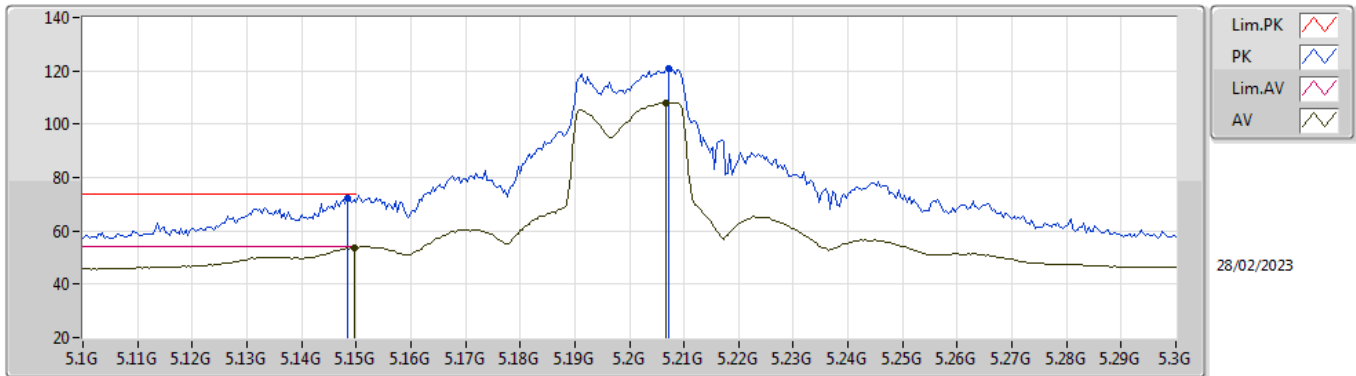


EUT_Z_2TX
 Setting 25.5
 01-B-M-2-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 5.1484G | 69.09 | 74.00 | -4.91 | 62.81 | 3 | Vertical | 92 | 1.55 | - | 33.10 | 5.97 | 32.79 |
| AV | 5.15G | 51.09 | 54.00 | -2.91 | 44.81 | 3 | Vertical | 92 | 1.55 | - | 33.10 | 5.97 | 32.79 |
| PK | 5.2076G | 114.50 | Inf | -Inf | 108.04 | 3 | Vertical | 92 | 1.55 | - | 33.22 | 6.00 | 32.76 |
| AV | 5.2088G | 102.65 | Inf | -Inf | 96.19 | 3 | Vertical | 92 | 1.55 | - | 33.22 | 6.00 | 32.76 |

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5200MHz_TX

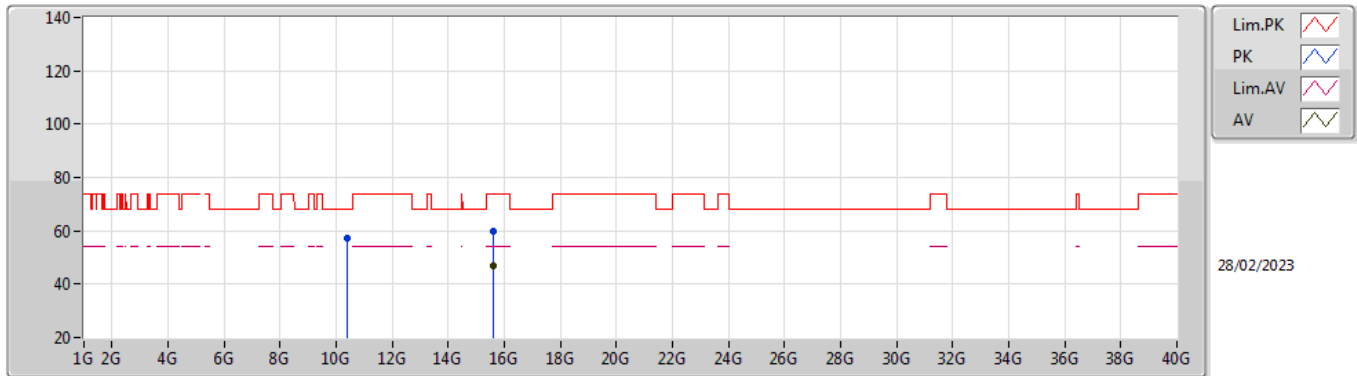


EUT_Z_2TX
 Setting 25.5
 01-B-M-2-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 5.1484G | 72.44 | 74.00 | -1.56 | 66.16 | 3 | Horizontal | 349 | 1.03 | - | 33.10 | 5.97 | 32.79 |
| AV | 5.1496G | 53.67 | 54.00 | -0.33 | 47.39 | 3 | Horizontal | 349 | 1.03 | - | 33.10 | 5.97 | 32.79 |
| PK | 5.2072G | 121.08 | Inf | -Inf | 114.63 | 3 | Horizontal | 349 | 1.03 | - | 33.21 | 6.00 | 32.76 |
| AV | 5.2068G | 108.17 | Inf | -Inf | 101.72 | 3 | Horizontal | 349 | 1.03 | - | 33.21 | 6.00 | 32.76 |

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5200MHz_TX

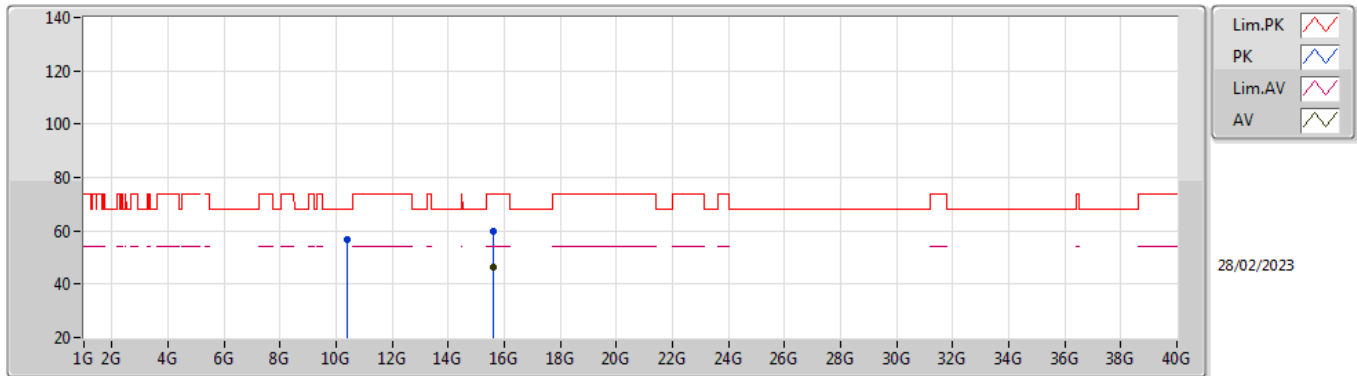


EUT_Z_2TX
 Setting 25.5
 01-B-M-2

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 10.40008G | 57.13 | 68.20 | -11.07 | 41.62 | 3 | Vertical | 355 | 2.17 | - | 38.80 | 8.46 | 31.75 |
| PK | 15.59604G | 59.88 | 74.00 | -14.12 | 41.63 | 3 | Vertical | 185 | 2.14 | - | 38.41 | 10.54 | 30.70 |
| AV | 15.59472G | 46.67 | 54.00 | -7.33 | 28.42 | 3 | Vertical | 185 | 2.14 | - | 38.41 | 10.54 | 30.70 |

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5200MHz_TX

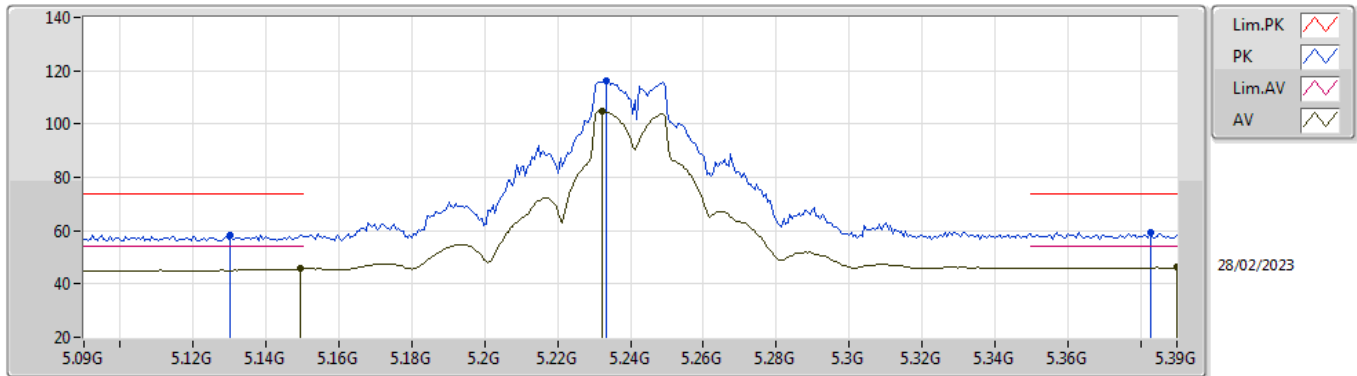


EUT_Z_2TX
 Setting 25.5
 01-B-M-2

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 10.40024G | 56.86 | 68.20 | -11.34 | 41.35 | 3 | Horizontal | 332 | 2.32 | - | 38.80 | 8.46 | 31.75 |
| PK | 15.59336G | 59.92 | 74.00 | -14.08 | 41.67 | 3 | Horizontal | 280 | 2.26 | - | 38.41 | 10.54 | 30.70 |
| AV | 15.59636G | 46.52 | 54.00 | -7.48 | 28.27 | 3 | Horizontal | 280 | 2.26 | - | 38.41 | 10.54 | 30.70 |

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5240MHz_TX

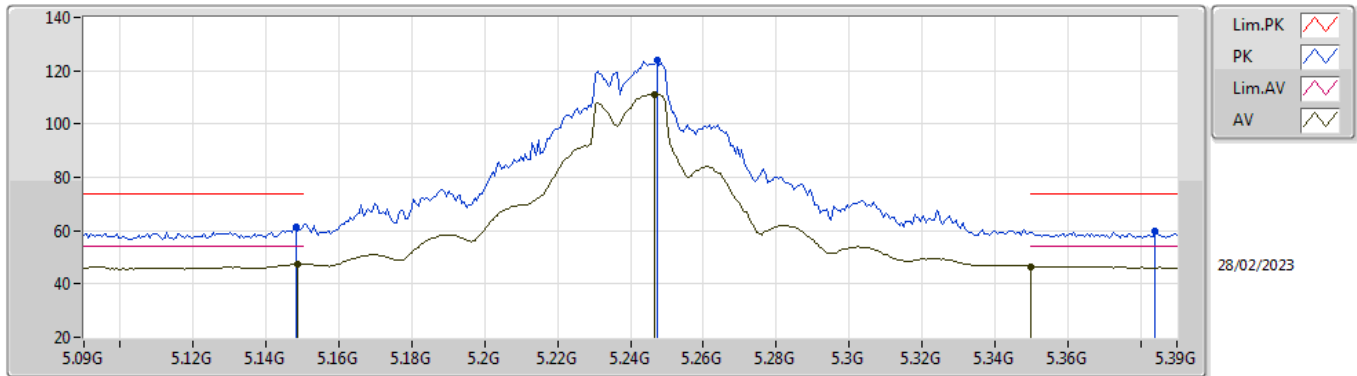


EUT Z_2TX
 Setting 28
 01-B-M-2-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 5.1302G | 58.24 | 74.00 | -15.76 | 51.97 | 3 | Vertical | 107 | 2.36 | - | 33.10 | 5.97 | 32.80 |
| AV | 5.1494G | 45.66 | 54.00 | -8.34 | 39.38 | 3 | Vertical | 107 | 2.36 | - | 33.10 | 5.97 | 32.79 |
| PK | 5.2334G | 116.24 | Inf | -Inf | 109.70 | 3 | Vertical | 107 | 2.36 | - | 33.27 | 6.02 | 32.75 |
| AV | 5.2322G | 105.04 | Inf | -Inf | 98.51 | 3 | Vertical | 107 | 2.36 | - | 33.26 | 6.02 | 32.75 |
| PK | 5.3828G | 59.55 | 74.00 | -14.45 | 52.52 | 3 | Vertical | 107 | 2.36 | - | 33.63 | 6.09 | 32.69 |
| AV | 5.39G | 46.17 | 54.00 | -7.83 | 39.11 | 3 | Vertical | 107 | 2.36 | - | 33.66 | 6.09 | 32.69 |

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5240MHz_TX

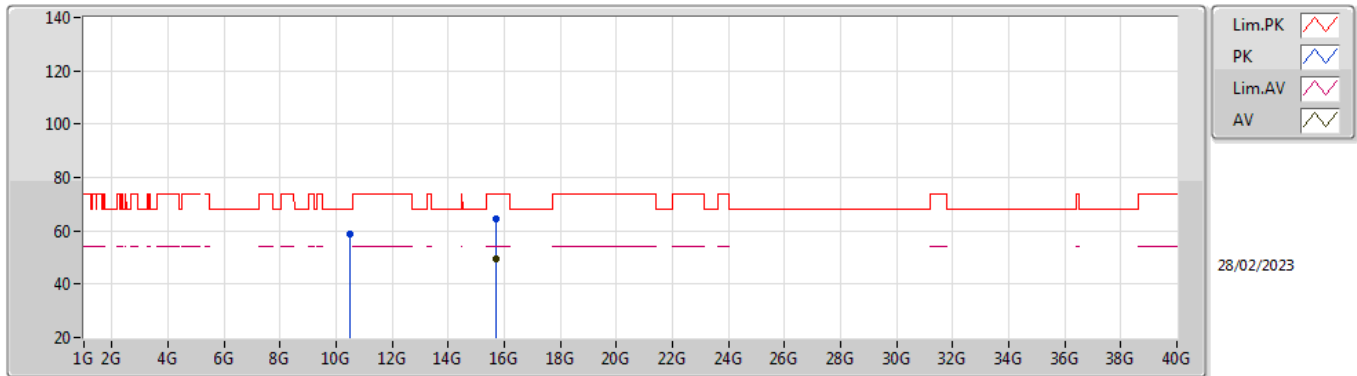


EUT_Z_2TX
 Setting 28
 01-B-M-2-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 5.1482G | 61.35 | 74.00 | -12.65 | 55.07 | 3 | Horizontal | 351 | 1.01 | - | 33.10 | 5.97 | 32.79 |
| AV | 5.1488G | 47.67 | 54.00 | -6.33 | 41.39 | 3 | Horizontal | 351 | 1.01 | - | 33.10 | 5.97 | 32.79 |
| PK | 5.2472G | 123.99 | Inf | -Inf | 117.43 | 3 | Horizontal | 351 | 1.01 | - | 33.29 | 6.02 | 32.75 |
| AV | 5.2466G | 111.24 | Inf | -Inf | 104.68 | 3 | Horizontal | 351 | 1.01 | - | 33.29 | 6.02 | 32.75 |
| PK | 5.384G | 59.72 | 74.00 | -14.28 | 52.68 | 3 | Horizontal | 351 | 1.01 | - | 33.64 | 6.09 | 32.69 |
| AV | 5.35G | 46.60 | 54.00 | -7.40 | 39.72 | 3 | Horizontal | 351 | 1.01 | - | 33.50 | 6.08 | 32.70 |

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5240MHz_TX

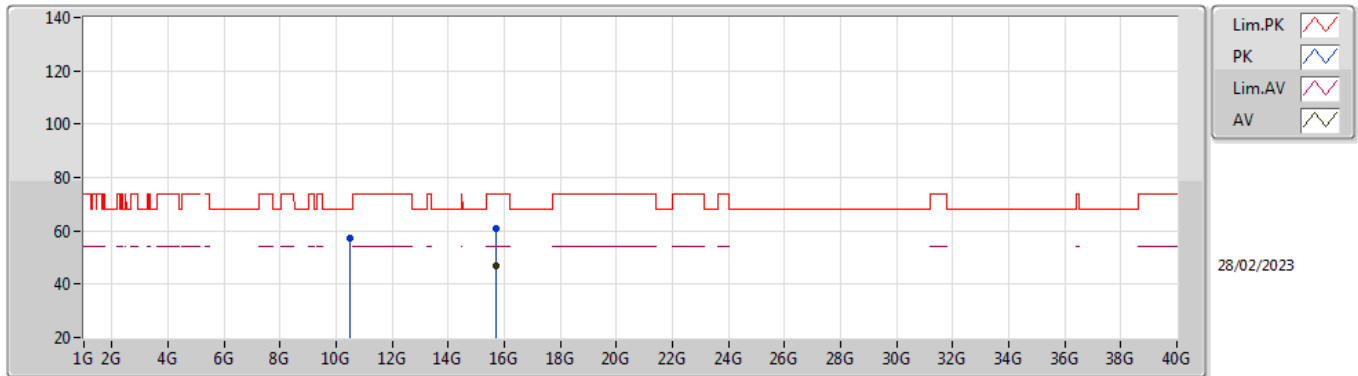


EUT_Z_2TX
Setting 28
01-B-M-2

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 10.48004G | 58.63 | 68.20 | -9.57 | 43.00 | 3 | Vertical | 357 | 1.80 | - | 38.80 | 8.49 | 31.66 |
| PK | 15.71396G | 64.64 | 74.00 | -9.36 | 46.38 | 3 | Vertical | 7 | 1.89 | - | 38.34 | 10.59 | 30.67 |
| AV | 15.71628G | 49.48 | 54.00 | -4.52 | 31.21 | 3 | Vertical | 7 | 1.89 | - | 38.35 | 10.59 | 30.67 |

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5240MHz_TX

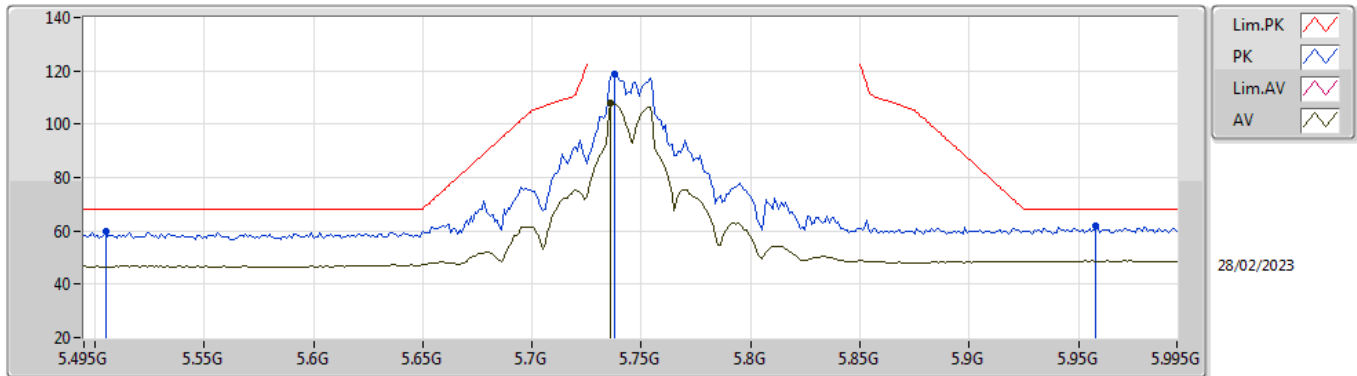


EUT_Z_2TX
 Setting 28
 01-B-M-2

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 10.47912G | 57.23 | 68.20 | -10.97 | 41.60 | 3 | Horizontal | 333 | 1.01 | - | 38.80 | 8.49 | 31.66 |
| PK | 15.72624G | 60.88 | 74.00 | -13.12 | 42.57 | 3 | Horizontal | 322 | 1.80 | - | 38.38 | 10.59 | 30.66 |
| AV | 15.72744G | 46.64 | 54.00 | -7.36 | 28.33 | 3 | Horizontal | 322 | 1.80 | - | 38.38 | 10.59 | 30.66 |

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5745MHz_TX

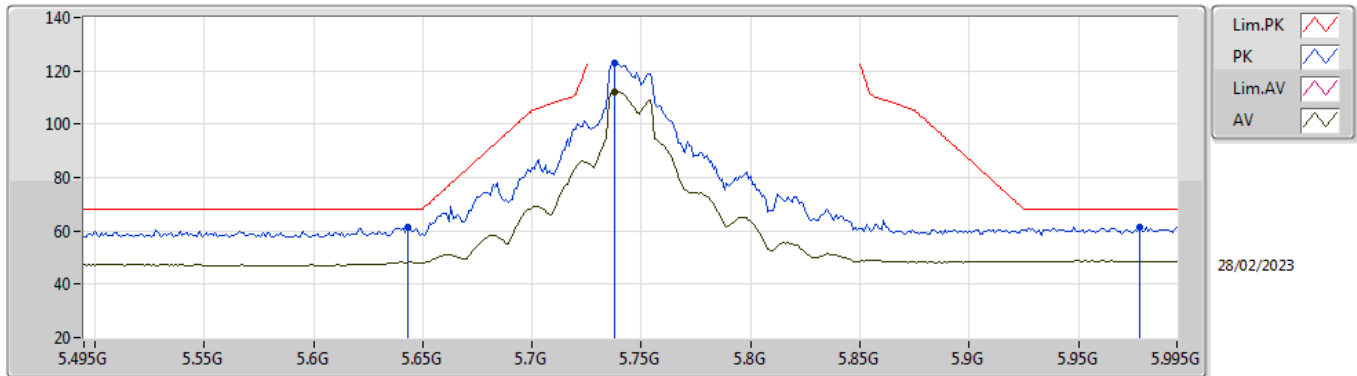


EUT_Y_2TX
 Setting 28
 01-B-E-5-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 5.505G | 59.95 | 68.20 | -8.25 | 52.34 | 3 | Vertical | 0 | 2.63 | - | 34.10 | 6.15 | 32.64 |
| PK | 5.738G | 118.73 | Inf | -Inf | 110.70 | 3 | Vertical | 0 | 2.63 | - | 34.50 | 6.27 | 32.74 |
| AV | 5.736G | 107.92 | Inf | -Inf | 99.88 | 3 | Vertical | 0 | 2.63 | - | 34.50 | 6.27 | 32.73 |
| PK | 5.958G | 61.99 | 68.20 | -6.21 | 52.93 | 3 | Vertical | 0 | 2.63 | - | 35.50 | 6.38 | 32.82 |

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5745MHz_TX

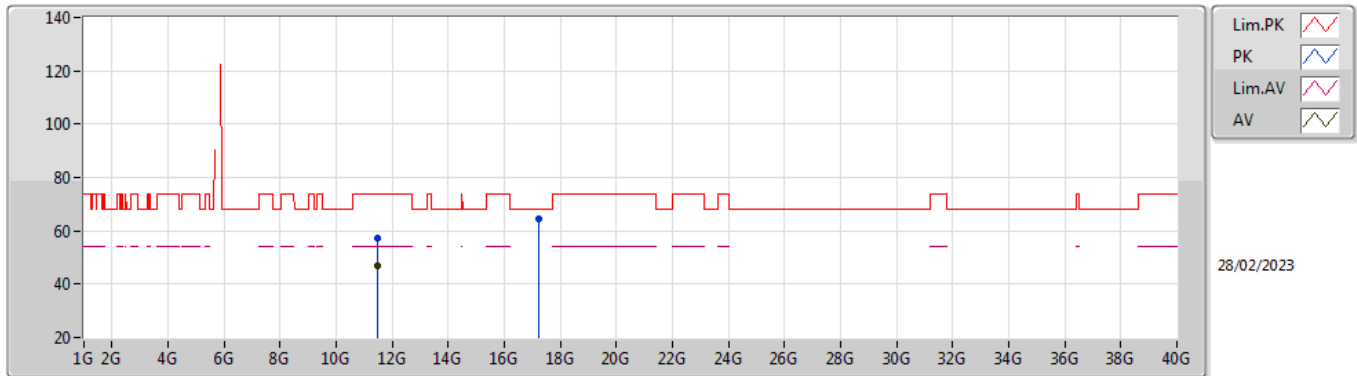


EUT Y_2TX
 Setting 28
 01-B-E-5-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 5.643G | 61.32 | 68.20 | -6.88 | 53.50 | 3 | Horizontal | 113 | 1.80 | - | 34.30 | 6.22 | 32.70 |
| PK | 5.738G | 122.99 | Inf | -Inf | 114.96 | 3 | Horizontal | 113 | 1.80 | - | 34.50 | 6.27 | 32.74 |
| AV | 5.738G | 112.04 | Inf | -Inf | 104.01 | 3 | Horizontal | 113 | 1.80 | - | 34.50 | 6.27 | 32.74 |
| PK | 5.978G | 61.41 | 68.20 | -6.79 | 52.35 | 3 | Horizontal | 113 | 1.80 | - | 35.50 | 6.39 | 32.83 |

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5745MHz_TX

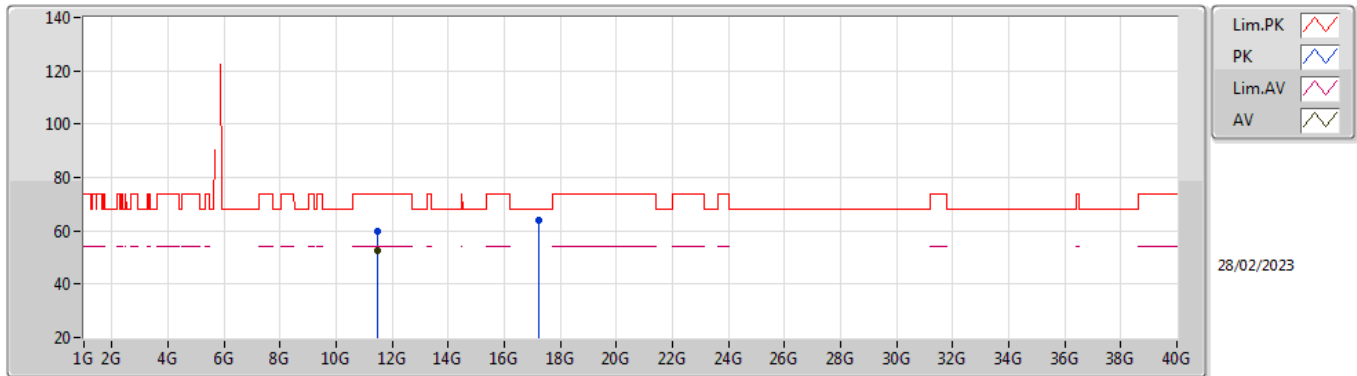


EUT Y_2TX
 Setting 28
 01-B-E-5

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 11.47974G | 57.17 | 74.00 | -16.83 | 41.23 | 3 | Vertical | 81 | 1.80 | - | 38.80 | 8.89 | 31.75 |
| AV | 11.48994G | 47.10 | 54.00 | -6.90 | 31.15 | 3 | Vertical | 81 | 1.80 | - | 38.80 | 8.90 | 31.75 |
| PK | 17.22954G | 64.57 | 68.20 | -3.63 | 41.53 | 3 | Vertical | 130 | 1.80 | - | 42.02 | 11.19 | 30.17 |

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5745MHz_TX

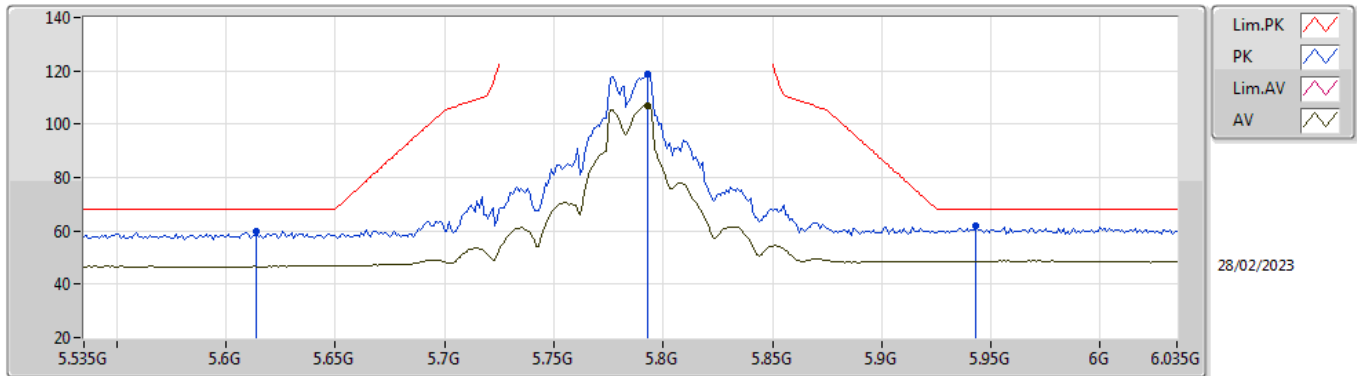


EUT Y_2TX
 Setting 28
 01-B-E-5

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 11.48994G | 59.58 | 74.00 | -14.42 | 43.63 | 3 | Horizontal | 40 | 1.80 | - | 38.80 | 8.90 | 31.75 |
| AV | 11.48988G | 52.68 | 54.00 | -1.32 | 36.73 | 3 | Horizontal | 40 | 1.80 | - | 38.80 | 8.90 | 31.75 |
| PK | 17.23248G | 64.17 | 68.20 | -4.03 | 41.12 | 3 | Horizontal | 302 | 1.80 | - | 42.03 | 11.19 | 30.17 |

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5785MHz_TX

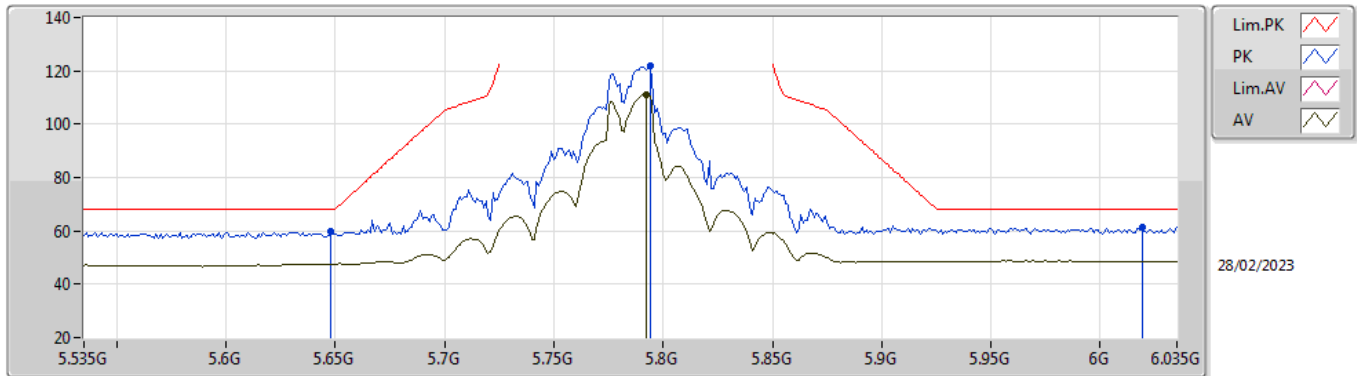


EUT_Y_2TX
 Setting 28
 01-B-E-5-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 5.614G | 60.07 | 68.20 | -8.13 | 52.25 | 3 | Vertical | 358 | 2.83 | - | 34.30 | 6.21 | 32.69 |
| PK | 5.793G | 119.04 | Inf | -Inf | 110.91 | 3 | Vertical | 358 | 2.83 | - | 34.59 | 6.30 | 32.76 |
| AV | 5.793G | 107.15 | Inf | -Inf | 99.02 | 3 | Vertical | 358 | 2.83 | - | 34.59 | 6.30 | 32.76 |
| PK | 5.943G | 61.92 | 68.20 | -6.28 | 52.90 | 3 | Vertical | 358 | 2.83 | - | 35.47 | 6.37 | 32.82 |

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5785MHz_TX

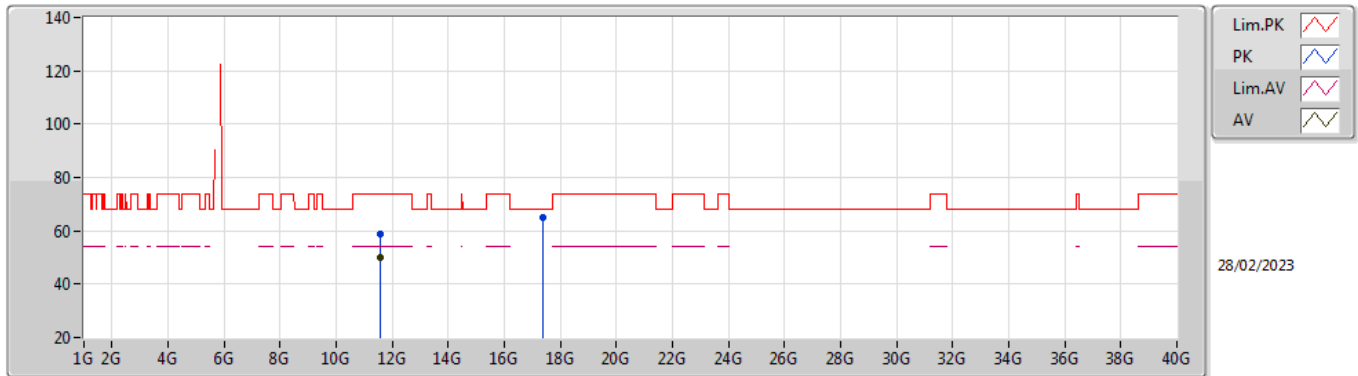


EUT Y_2TX
 Setting 28
 01-B-E-5-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 5.648G | 59.79 | 68.20 | -8.41 | 51.97 | 3 | Horizontal | 92 | 1.80 | - | 34.30 | 6.22 | 32.70 |
| PK | 5.794G | 121.69 | Inf | -Inf | 113.56 | 3 | Horizontal | 92 | 1.80 | - | 34.59 | 6.30 | 32.76 |
| AV | 5.792G | 110.88 | Inf | -Inf | 102.76 | 3 | Horizontal | 92 | 1.80 | - | 34.58 | 6.30 | 32.76 |
| PK | 6.019G | 61.59 | 68.20 | -6.61 | 52.48 | 3 | Horizontal | 92 | 1.80 | - | 35.54 | 6.41 | 32.84 |

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5785MHz_TX

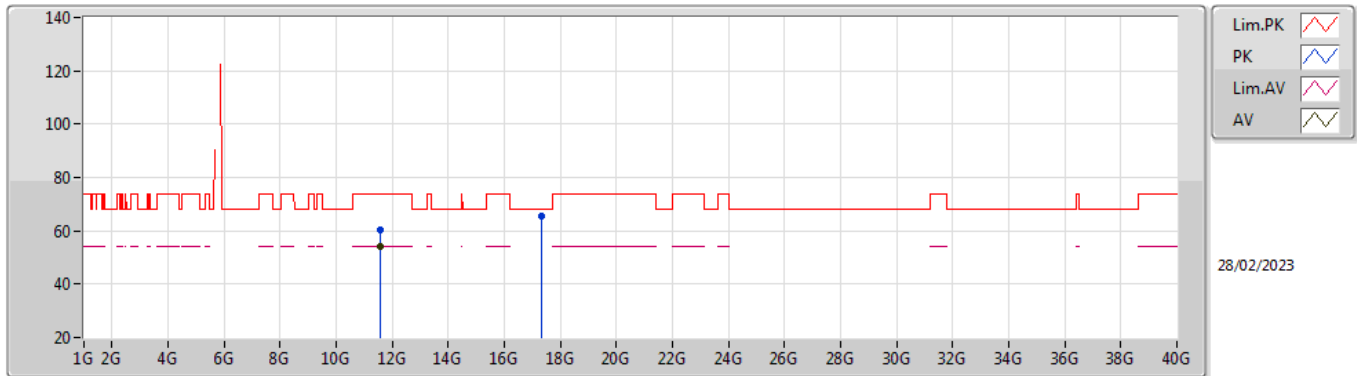


EUT Y_2TX
 Setting 28
 01-B-E-5

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 11.56988G | 58.71 | 74.00 | -15.29 | 42.69 | 3 | Vertical | 44 | 2.40 | - | 38.80 | 8.93 | 31.71 |
| AV | 11.57012G | 49.95 | 54.00 | -4.05 | 33.93 | 3 | Vertical | 44 | 2.40 | - | 38.80 | 8.93 | 31.71 |
| PK | 17.36658G | 65.23 | 68.20 | -2.97 | 41.86 | 3 | Vertical | 212 | 2.35 | - | 42.50 | 11.25 | 30.38 |

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5785MHz_TX

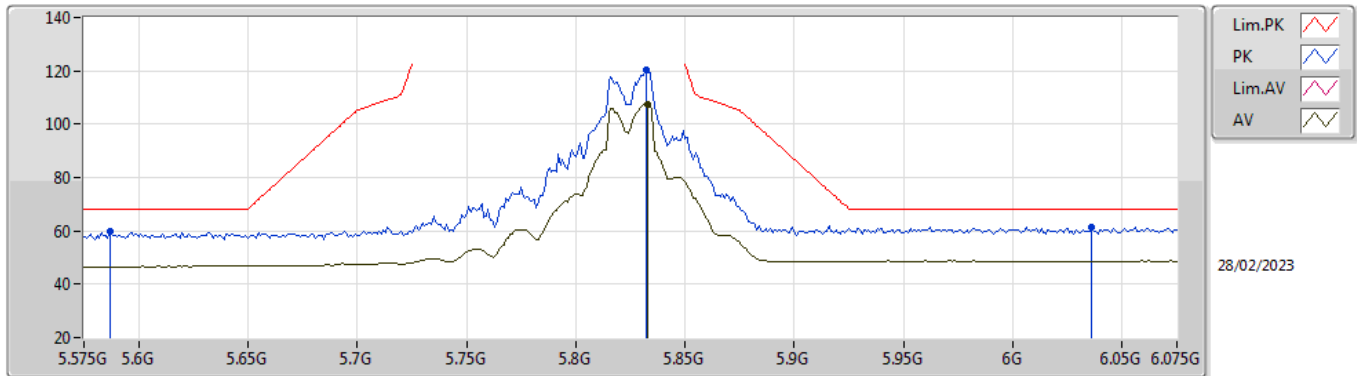


EUT Y_2TX
 Setting 28
 01-B-E-5

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 11.57G | 60.27 | 74.00 | -13.73 | 44.25 | 3 | Horizontal | 40 | 1.80 | - | 38.80 | 8.93 | 31.71 |
| AV | 11.57G | 53.97 | 54.00 | -0.03 | 37.95 | 3 | Horizontal | 40 | 1.80 | - | 38.80 | 8.93 | 31.71 |
| PK | 17.34054G | 65.42 | 68.20 | -2.78 | 42.10 | 3 | Horizontal | 255 | 1.80 | - | 42.42 | 11.24 | 30.34 |

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5825MHz_TX

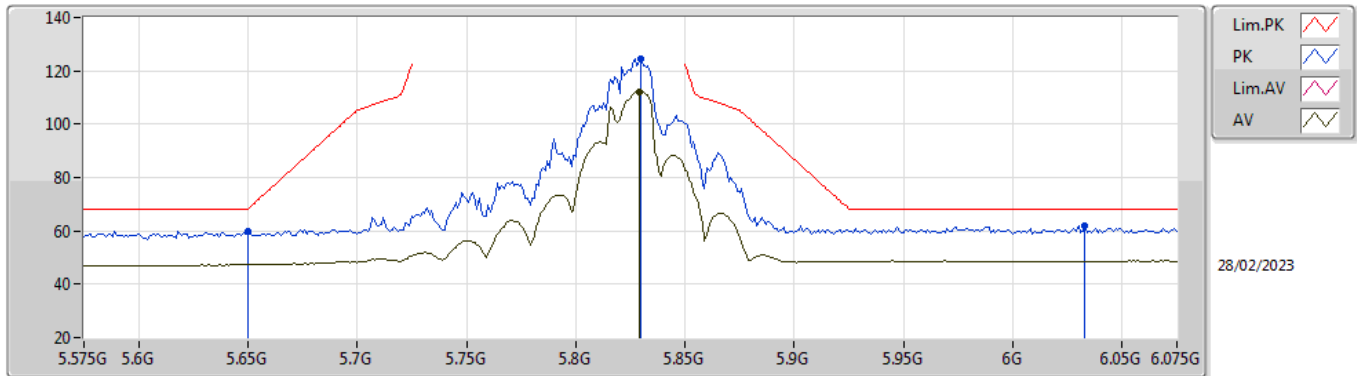


EUT Y_2TX
 Setting 28
 01-B-E-5-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 5.587G | 59.74 | 68.20 | -8.46 | 51.97 | 3 | Vertical | 359 | 2.93 | - | 34.25 | 6.19 | 32.67 |
| PK | 5.832G | 120.31 | Inf | -Inf | 111.97 | 3 | Vertical | 359 | 2.93 | - | 34.79 | 6.32 | 32.77 |
| AV | 5.833G | 107.62 | Inf | -Inf | 99.27 | 3 | Vertical | 359 | 2.93 | - | 34.80 | 6.32 | 32.77 |
| PK | 6.036G | 61.30 | 68.20 | -6.90 | 52.15 | 3 | Vertical | 359 | 2.93 | - | 35.57 | 6.42 | 32.84 |

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5825MHz_TX

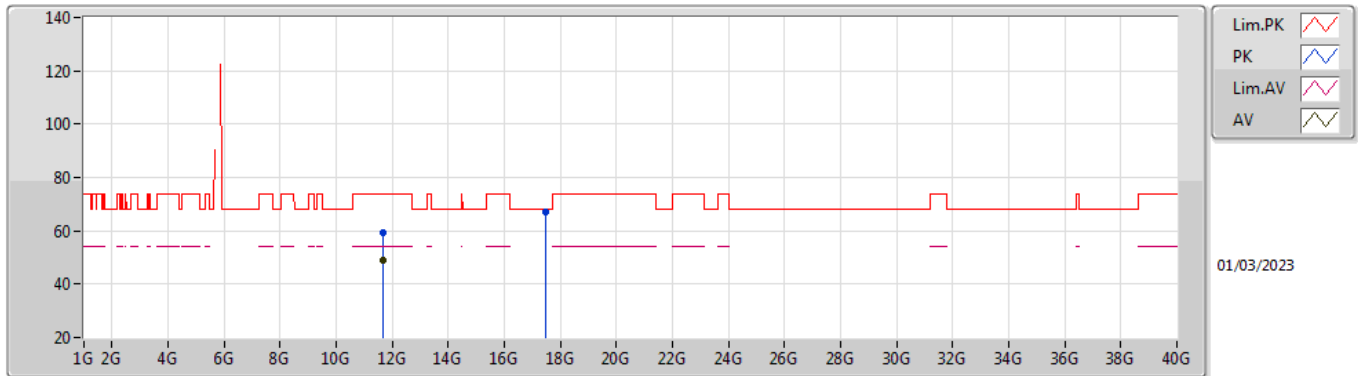


EUT_Y_2TX
 Setting 28
 01-B-E-5-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 5.65G | 59.99 | 68.20 | -8.21 | 52.17 | 3 | Horizontal | 96 | 1.80 | - | 34.30 | 6.22 | 32.70 |
| PK | 5.83G | 124.60 | Inf | -Inf | 116.28 | 3 | Horizontal | 96 | 1.80 | - | 34.78 | 6.31 | 32.77 |
| AV | 5.829G | 112.22 | Inf | -Inf | 103.91 | 3 | Horizontal | 96 | 1.80 | - | 34.77 | 6.31 | 32.77 |
| PK | 6.033G | 61.98 | 68.20 | -6.22 | 52.83 | 3 | Horizontal | 96 | 1.80 | - | 35.57 | 6.42 | 32.84 |

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5825MHz_TX

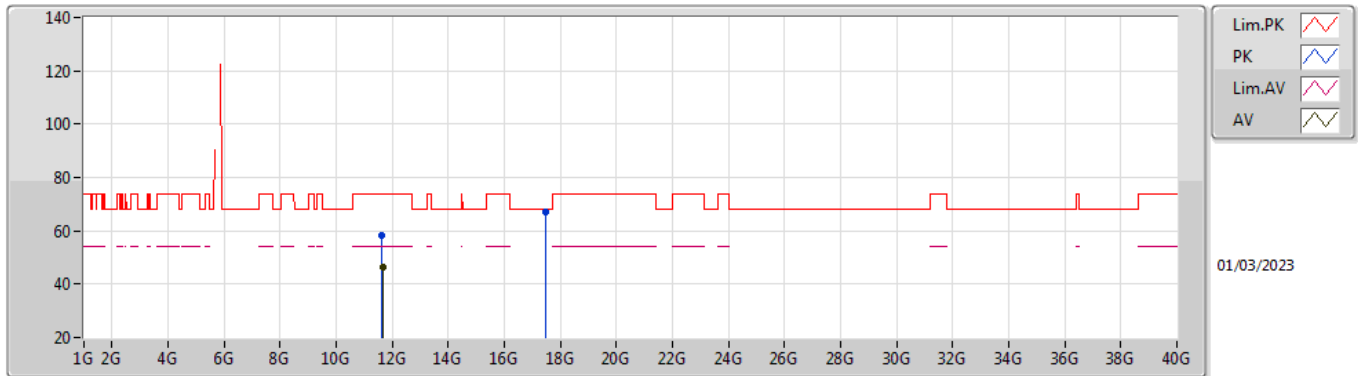


EUT Y_2TX
 Setting 28
 01-F-E-5

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 11.64988G | 59.43 | 74.00 | -14.57 | 43.30 | 3 | Vertical | 106 | 1.80 | - | 38.85 | 8.96 | 31.68 |
| AV | 11.65G | 48.89 | 54.00 | -5.11 | 32.76 | 3 | Vertical | 106 | 1.80 | - | 38.85 | 8.96 | 31.68 |
| PK | 17.47332G | 66.98 | 68.20 | -1.22 | 43.71 | 3 | Vertical | 288 | 2.86 | - | 42.53 | 11.29 | 30.55 |

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

5825MHz_TX

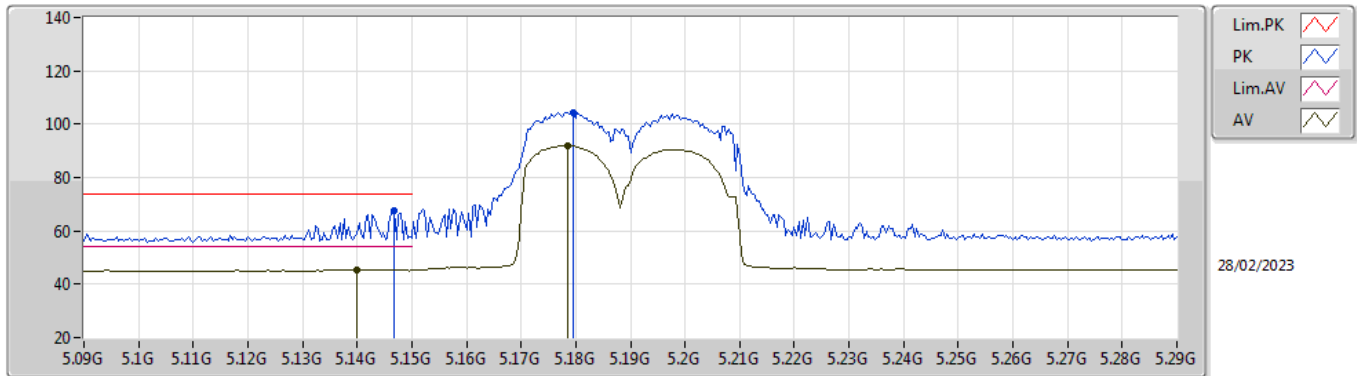


EUT Y_2TX
 Setting 28
 01-F-E-5

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 11.63764G | 58.52 | 74.00 | -15.48 | 42.40 | 3 | Horizontal | 140 | 1.80 | - | 38.84 | 8.96 | 31.68 |
| AV | 11.64988G | 46.47 | 54.00 | -7.53 | 30.34 | 3 | Horizontal | 140 | 1.80 | - | 38.85 | 8.96 | 31.68 |
| PK | 17.47282G | 66.99 | 68.20 | -1.21 | 43.72 | 3 | Horizontal | 25 | 1.87 | - | 42.53 | 11.29 | 30.55 |

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

5190MHz_TX

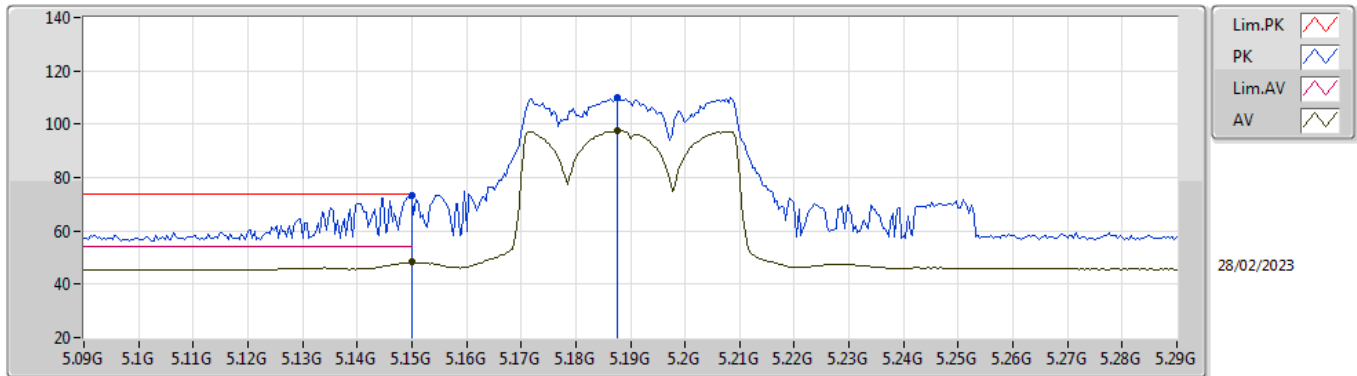


EUT_Z_2TX
Setting 18.5
01-B-M-2-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 5.1468G | 67.35 | 74.00 | -6.65 | 61.07 | 3 | Vertical | 92 | 1.57 | - | 33.10 | 5.97 | 32.79 |
| AV | 5.14G | 45.52 | 54.00 | -8.48 | 39.24 | 3 | Vertical | 92 | 1.57 | - | 33.10 | 5.97 | 32.79 |
| PK | 5.1796G | 104.55 | Inf | -Inf | 98.17 | 3 | Vertical | 92 | 1.57 | - | 33.16 | 5.99 | 32.77 |
| AV | 5.1784G | 92.03 | Inf | -Inf | 85.66 | 3 | Vertical | 92 | 1.57 | - | 33.16 | 5.99 | 32.78 |

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

5190MHz_TX

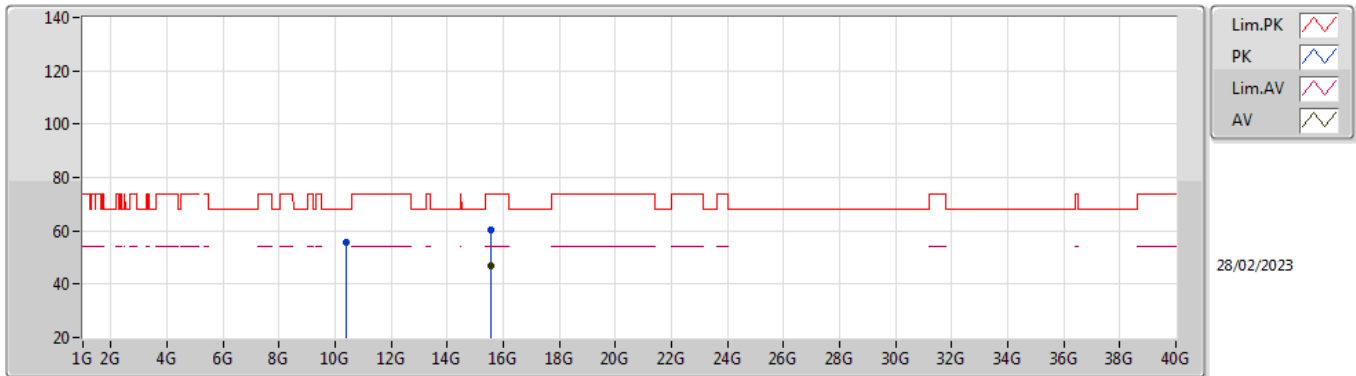


EUT_Z_2TX
 Setting 18.5
 01-B-M-2-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 5.15G | 73.35 | 74.00 | -0.65 | 67.07 | 3 | Horizontal | 347 | 2.60 | - | 33.10 | 5.97 | 32.79 |
| AV | 5.15G | 48.22 | 54.00 | -5.78 | 41.94 | 3 | Horizontal | 347 | 2.60 | - | 33.10 | 5.97 | 32.79 |
| PK | 5.1876G | 110.24 | Inf | -Inf | 103.84 | 3 | Horizontal | 347 | 2.60 | - | 33.18 | 5.99 | 32.77 |
| AV | 5.1876G | 97.54 | Inf | -Inf | 91.14 | 3 | Horizontal | 347 | 2.60 | - | 33.18 | 5.99 | 32.77 |

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

5190MHz_TX

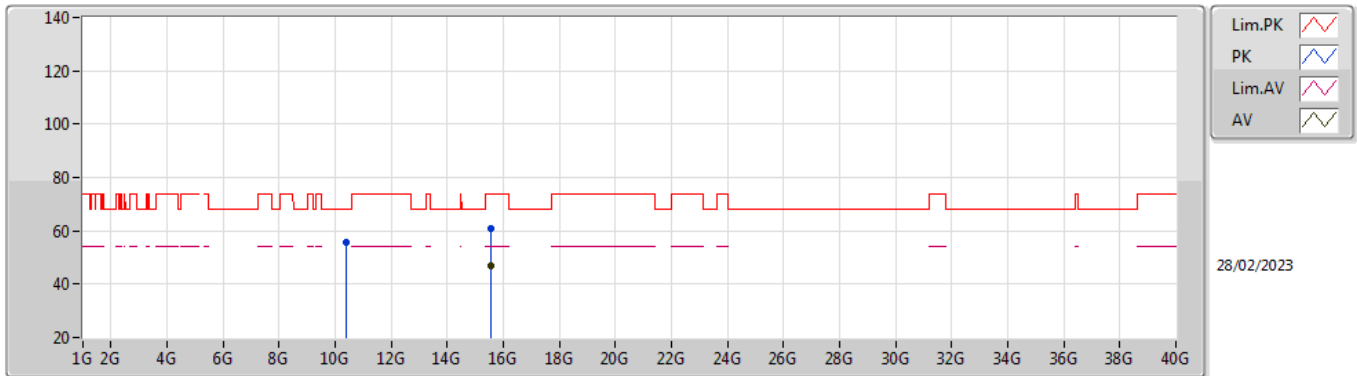


EUT_Z_2TX
 Setting 18.5
 01-B-M-2

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 10.3774G | 55.92 | 68.20 | -12.28 | 40.49 | 3 | Vertical | 253 | 2.32 | - | 38.75 | 8.45 | 31.77 |
| PK | 15.56532G | 60.54 | 74.00 | -13.46 | 42.25 | 3 | Vertical | 88 | 2.15 | - | 38.47 | 10.53 | 30.71 |
| AV | 15.5698G | 46.72 | 54.00 | -7.28 | 28.44 | 3 | Vertical | 88 | 2.15 | - | 38.46 | 10.53 | 30.71 |

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

5190MHz_TX

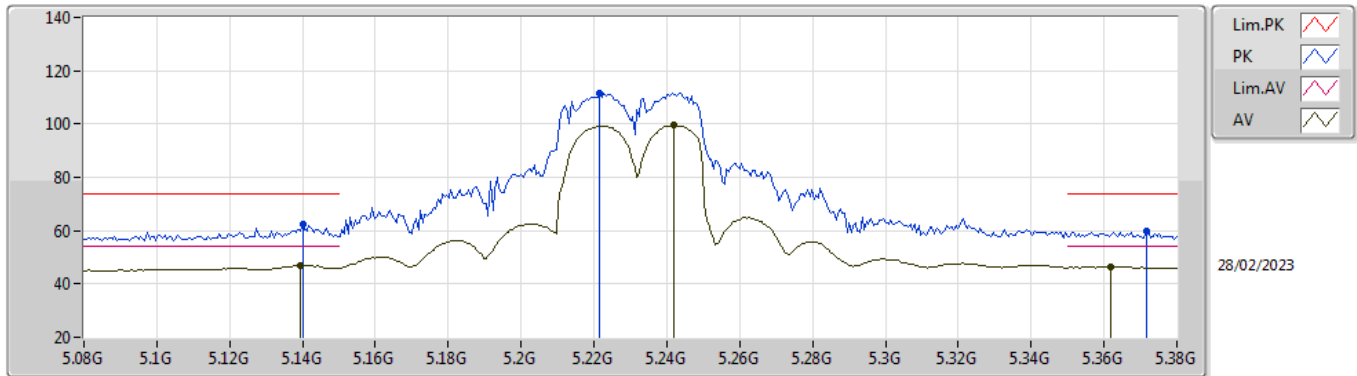


EUT_Z_2TX
 Setting 18.5
 01-B-M-2

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 10.38824G | 55.45 | 68.20 | -12.75 | 39.97 | 3 | Horizontal | 100 | 2.65 | - | 38.78 | 8.46 | 31.76 |
| PK | 15.57412G | 60.66 | 74.00 | -13.34 | 42.39 | 3 | Horizontal | 309 | 2.75 | - | 38.45 | 10.53 | 30.71 |
| AV | 15.562G | 46.74 | 54.00 | -7.26 | 28.45 | 3 | Horizontal | 309 | 2.75 | - | 38.48 | 10.52 | 30.71 |

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

5230MHz_TX

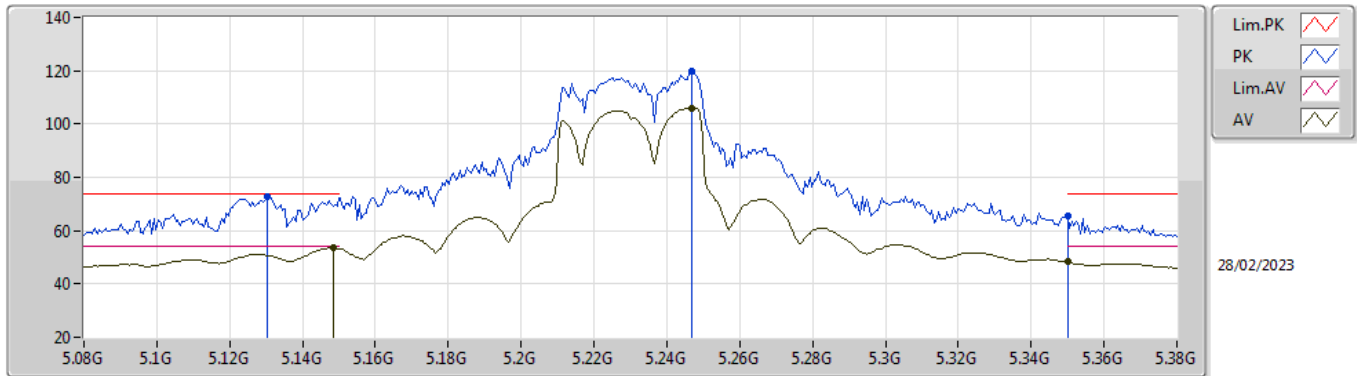


EUT Z_2TX
 Setting 25.5
 01-B-M-2-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 5.14G | 62.49 | 74.00 | -11.51 | 56.21 | 3 | Vertical | 108 | 2.36 | - | 33.10 | 5.97 | 32.79 |
| AV | 5.1394G | 47.02 | 54.00 | -6.98 | 40.74 | 3 | Vertical | 108 | 2.36 | - | 33.10 | 5.97 | 32.79 |
| PK | 5.2216G | 111.81 | Inf | -Inf | 105.32 | 3 | Vertical | 108 | 2.36 | - | 33.24 | 6.01 | 32.76 |
| AV | 5.242G | 99.52 | Inf | -Inf | 92.97 | 3 | Vertical | 108 | 2.36 | - | 33.28 | 6.02 | 32.75 |
| PK | 5.3716G | 60.04 | 74.00 | -13.96 | 53.05 | 3 | Vertical | 108 | 2.36 | - | 33.59 | 6.09 | 32.69 |
| AV | 5.362G | 46.40 | 54.00 | -7.60 | 39.47 | 3 | Vertical | 108 | 2.36 | - | 33.55 | 6.08 | 32.70 |

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

5230MHz_TX

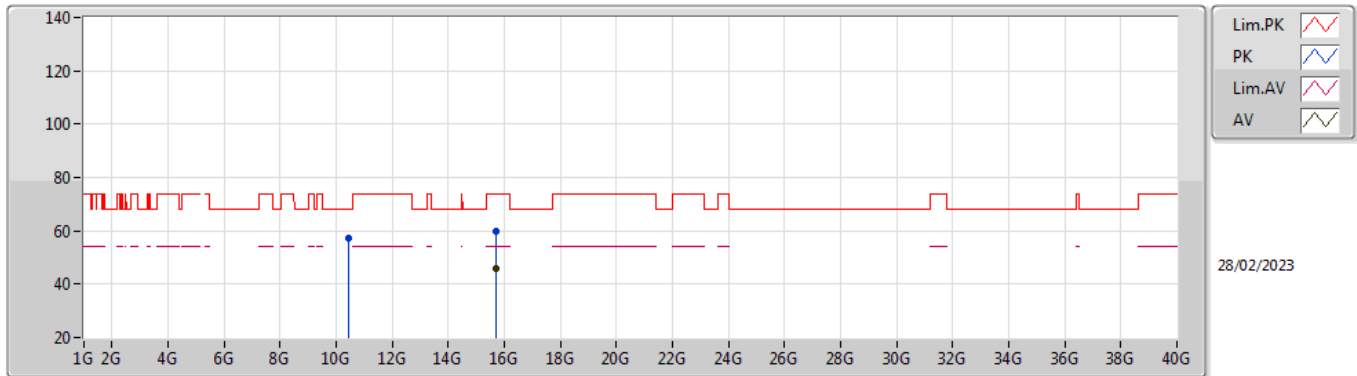


EUT_Z_2TX
 Setting 25.5
 01-B-M-2-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 5.1304G | 72.67 | 74.00 | -1.33 | 66.40 | 3 | Horizontal | 349 | 2.53 | - | 33.10 | 5.97 | 32.80 |
| AV | 5.1484G | 53.55 | 54.00 | -0.45 | 47.27 | 3 | Horizontal | 349 | 2.53 | - | 33.10 | 5.97 | 32.79 |
| PK | 5.2468G | 119.71 | Inf | -Inf | 113.15 | 3 | Horizontal | 349 | 2.53 | - | 33.29 | 6.02 | 32.75 |
| AV | 5.2468G | 106.05 | Inf | -Inf | 99.49 | 3 | Horizontal | 349 | 2.53 | - | 33.29 | 6.02 | 32.75 |
| PK | 5.35G | 65.37 | 74.00 | -8.63 | 58.49 | 3 | Horizontal | 349 | 2.53 | - | 33.50 | 6.08 | 32.70 |
| AV | 5.35G | 48.22 | 54.00 | -5.78 | 41.34 | 3 | Horizontal | 349 | 2.53 | - | 33.50 | 6.08 | 32.70 |

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

5230MHz_TX

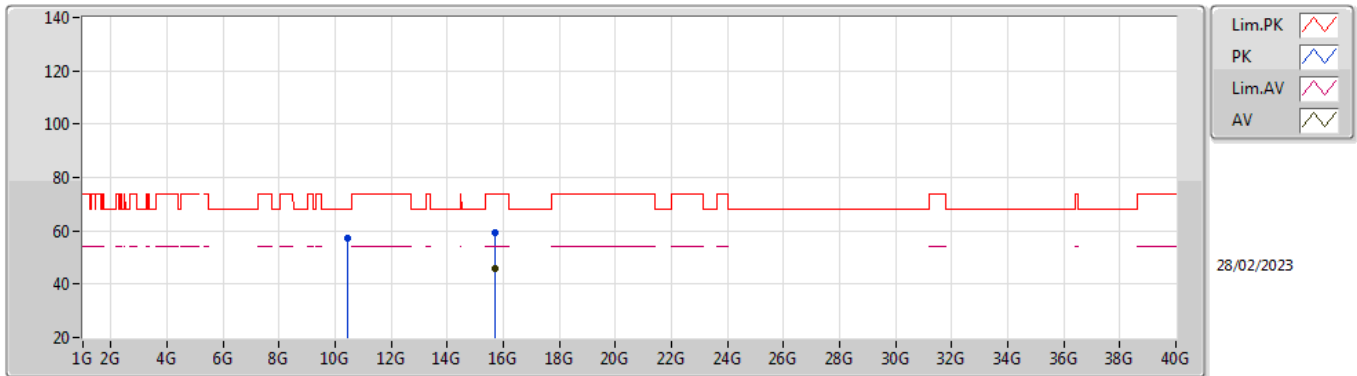


EUT_Z_2TX
 Setting 25.5
 01-B-M-2

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 10.45992G | 57.09 | 68.20 | -11.11 | 41.49 | 3 | Vertical | 358 | 1.80 | - | 38.80 | 8.48 | 31.68 |
| PK | 15.69156G | 59.95 | 74.00 | -14.05 | 41.73 | 3 | Vertical | 194 | 1.68 | - | 38.31 | 10.58 | 30.67 |
| AV | 15.69012G | 46.00 | 54.00 | -8.00 | 27.78 | 3 | Vertical | 194 | 1.68 | - | 38.31 | 10.58 | 30.67 |

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

5230MHz_TX

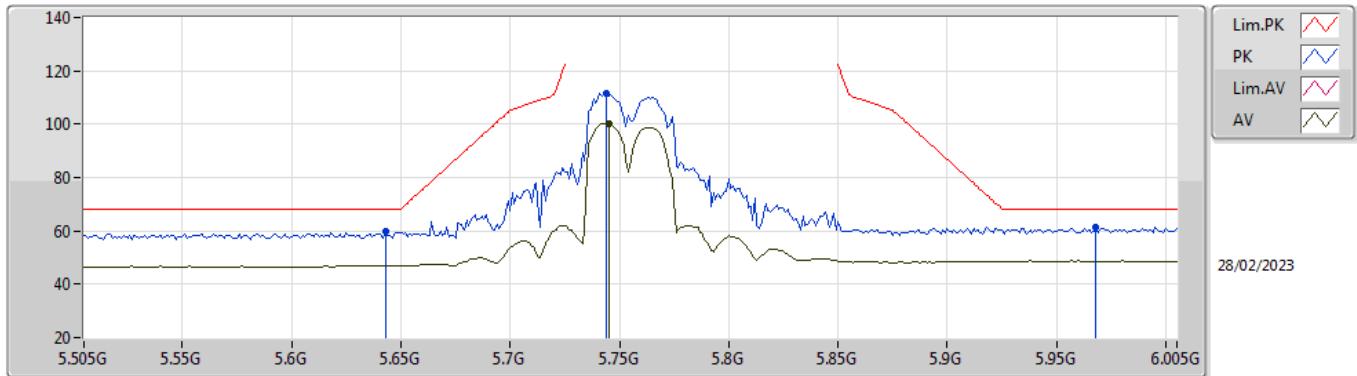


EUT_Z_2TX
Setting 25.5
01-B-M-2

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 10.46024G | 57.42 | 68.20 | -10.78 | 41.82 | 3 | Horizontal | 313 | 2.54 | - | 38.80 | 8.48 | 31.68 |
| PK | 15.68392G | 59.42 | 74.00 | -14.58 | 41.20 | 3 | Horizontal | 347 | 2.60 | - | 38.32 | 10.57 | 30.67 |
| AV | 15.68048G | 45.95 | 54.00 | -8.05 | 27.74 | 3 | Horizontal | 347 | 2.60 | - | 38.32 | 10.57 | 30.68 |

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

5755MHz_TX

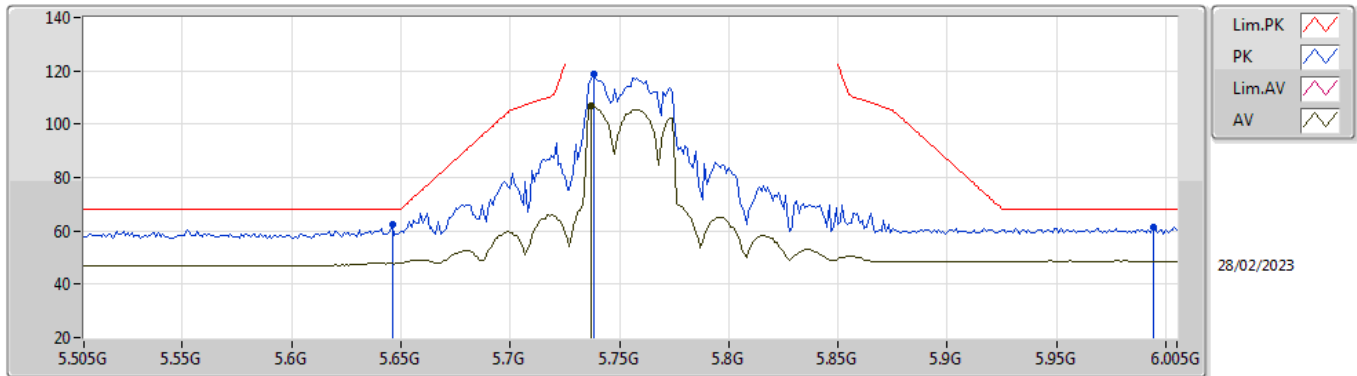


EUT_Y_2TX
 Setting 23
 01-B-E-5-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 5.643G | 59.86 | 68.20 | -8.34 | 52.04 | 3 | Vertical | 360 | 2.78 | - | 34.30 | 6.22 | 32.70 |
| PK | 5.744G | 111.58 | Inf | -Inf | 103.55 | 3 | Vertical | 360 | 2.78 | - | 34.50 | 6.27 | 32.74 |
| AV | 5.745G | 100.28 | Inf | -Inf | 92.25 | 3 | Vertical | 360 | 2.78 | - | 34.50 | 6.27 | 32.74 |
| PK | 5.968G | 61.63 | 68.20 | -6.57 | 52.58 | 3 | Vertical | 360 | 2.78 | - | 35.50 | 6.38 | 32.83 |

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

5755MHz_TX

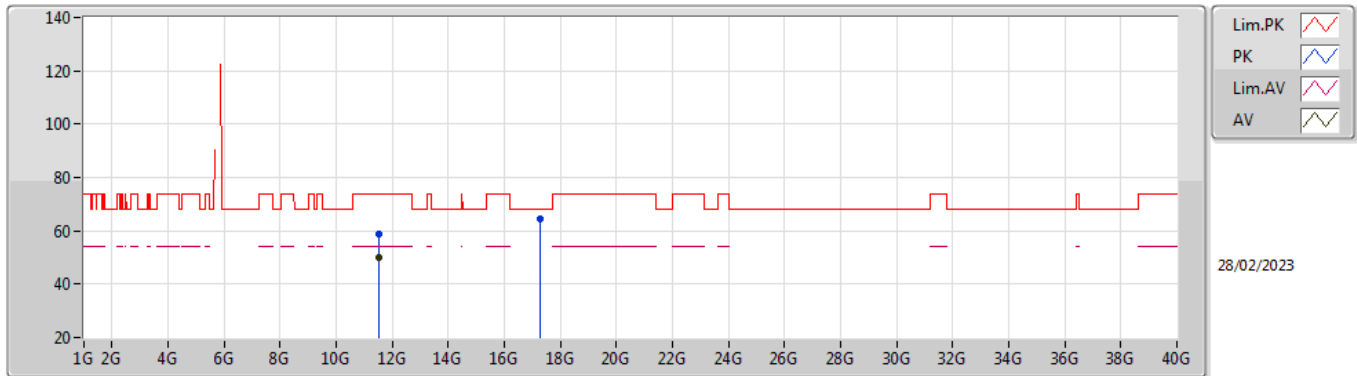


EUT_Y_2TX
Setting 23
01-B-E-5-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 5.646G | 62.39 | 68.20 | -5.81 | 54.57 | 3 | Horizontal | 97 | 2.22 | - | 34.30 | 6.22 | 32.70 |
| PK | 5.738G | 118.94 | Inf | -Inf | 110.91 | 3 | Horizontal | 97 | 2.22 | - | 34.50 | 6.27 | 32.74 |
| AV | 5.737G | 106.70 | Inf | -Inf | 98.66 | 3 | Horizontal | 97 | 2.22 | - | 34.50 | 6.27 | 32.73 |
| PK | 5.994G | 61.42 | 68.20 | -6.78 | 52.36 | 3 | Horizontal | 97 | 2.22 | - | 35.50 | 6.40 | 32.84 |

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

5755MHz_TX

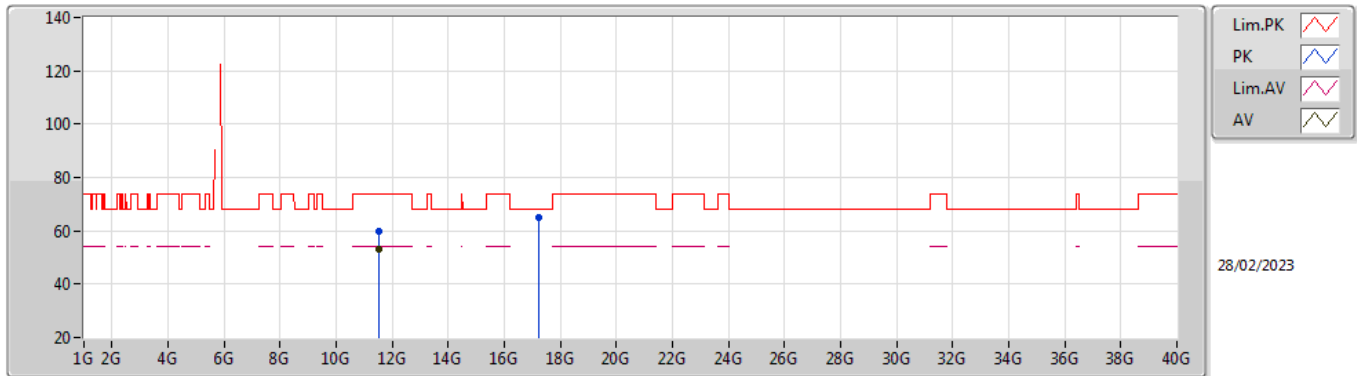


EUT Y_2TX
 Setting 23
 01-B-E-5

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 11.50982G | 58.62 | 74.00 | -15.38 | 42.66 | 3 | Vertical | 78 | 2.98 | - | 38.80 | 8.90 | 31.74 |
| AV | 11.50994G | 50.02 | 54.00 | -3.98 | 34.06 | 3 | Vertical | 78 | 2.98 | - | 38.80 | 8.90 | 31.74 |
| PK | 17.27106G | 64.47 | 68.20 | -3.73 | 41.31 | 3 | Vertical | 69 | 2.98 | - | 42.18 | 11.21 | 30.23 |

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

5755MHz_TX

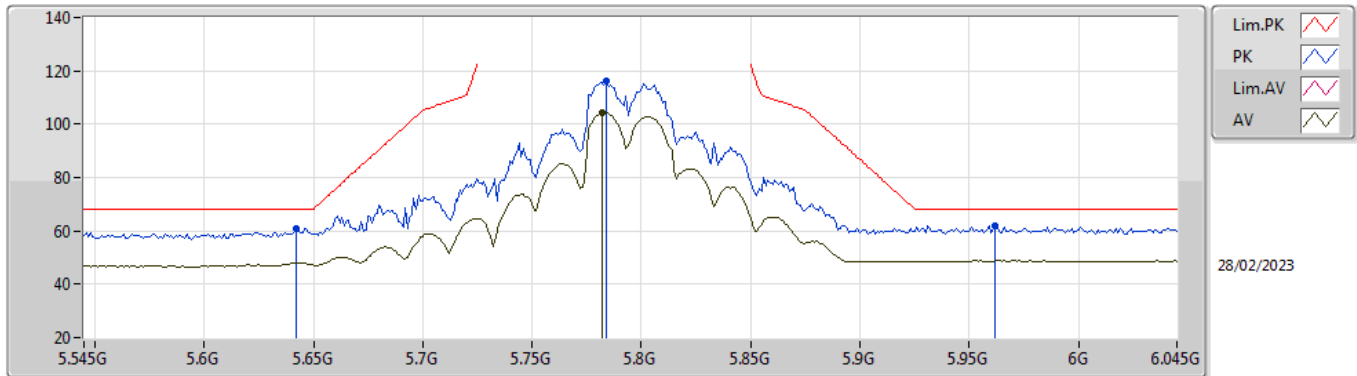


EUT Y_2TX
 Setting 23
 01-B-E-5

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 11.50982G | 59.79 | 74.00 | -14.21 | 43.83 | 3 | Horizontal | 39 | 1.80 | - | 38.80 | 8.90 | 31.74 |
| AV | 11.51G | 53.05 | 54.00 | -0.95 | 37.09 | 3 | Horizontal | 39 | 1.80 | - | 38.80 | 8.90 | 31.74 |
| PK | 17.25144G | 64.87 | 68.20 | -3.33 | 41.76 | 3 | Horizontal | 150 | 1.80 | - | 42.11 | 11.20 | 30.20 |

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

5795MHz_TX

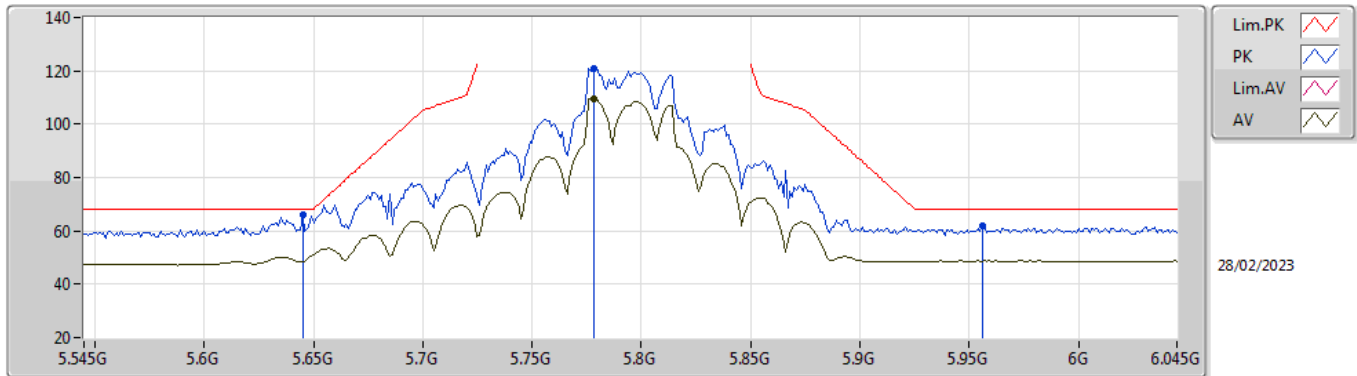


EUT_Y_2TX
 Setting 28
 01-B-E-5-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 5.642G | 61.08 | 68.20 | -7.12 | 53.26 | 3 | Vertical | 360 | 2.86 | - | 34.30 | 6.22 | 32.70 |
| PK | 5.784G | 116.16 | Inf | -Inf | 108.05 | 3 | Vertical | 360 | 2.86 | - | 34.57 | 6.29 | 32.75 |
| AV | 5.782G | 104.42 | Inf | -Inf | 96.32 | 3 | Vertical | 360 | 2.86 | - | 34.56 | 6.29 | 32.75 |
| PK | 5.962G | 61.83 | 68.20 | -6.37 | 52.77 | 3 | Vertical | 360 | 2.86 | - | 35.50 | 6.38 | 32.82 |

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

5795MHz_TX

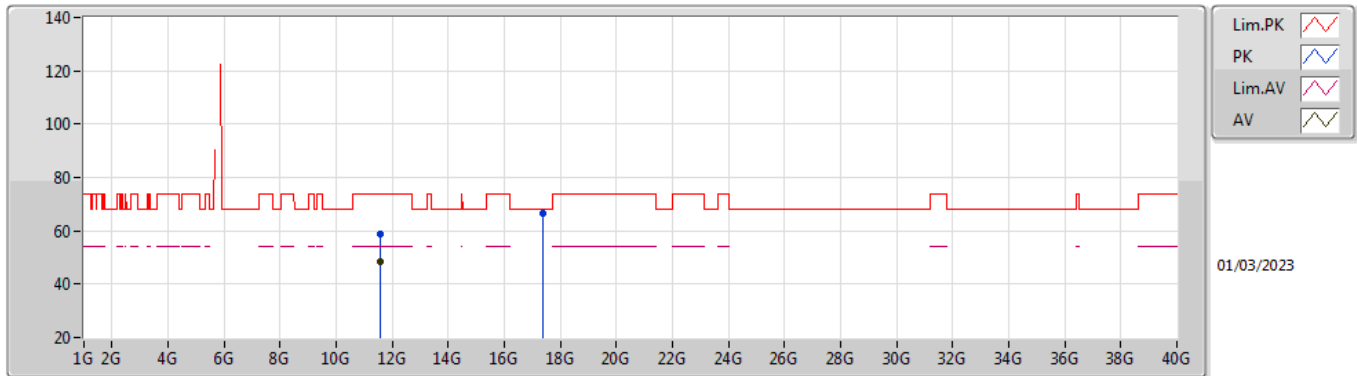


EUT_Y_2TX
 Setting 28
 01-B-E-5-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 5.645G | 66.07 | 68.20 | -2.13 | 58.25 | 3 | Horizontal | 100 | 2.32 | - | 34.30 | 6.22 | 32.70 |
| PK | 5.778G | 120.85 | Inf | -Inf | 112.75 | 3 | Horizontal | 100 | 2.32 | - | 34.56 | 6.29 | 32.75 |
| AV | 5.778G | 109.69 | Inf | -Inf | 101.59 | 3 | Horizontal | 100 | 2.32 | - | 34.56 | 6.29 | 32.75 |
| PK | 5.956G | 61.91 | 68.20 | -6.29 | 52.85 | 3 | Horizontal | 100 | 2.32 | - | 35.50 | 6.38 | 32.82 |

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

5795MHz_TX

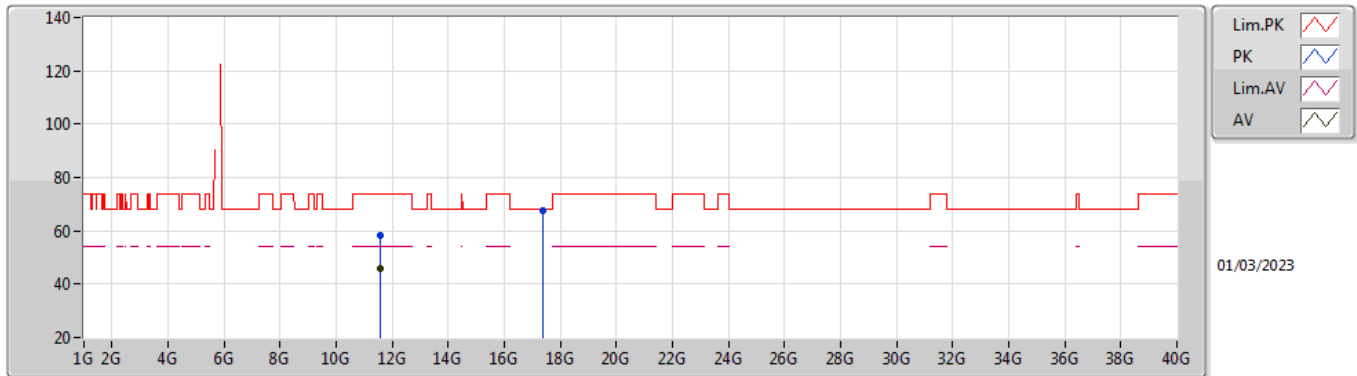


EUT Y_2TX
 Setting 28
 01-F-E-5

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 11.59528G | 58.69 | 74.00 | -15.31 | 42.65 | 3 | Vertical | 110 | 3.00 | - | 38.80 | 8.94 | 31.70 |
| AV | 11.58988G | 48.34 | 54.00 | -5.66 | 32.30 | 3 | Vertical | 110 | 3.00 | - | 38.80 | 8.94 | 31.70 |
| PK | 17.38604G | 66.57 | 68.20 | -1.63 | 43.17 | 3 | Vertical | 255 | 2.21 | - | 42.56 | 11.25 | 30.41 |

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

5795MHz_TX

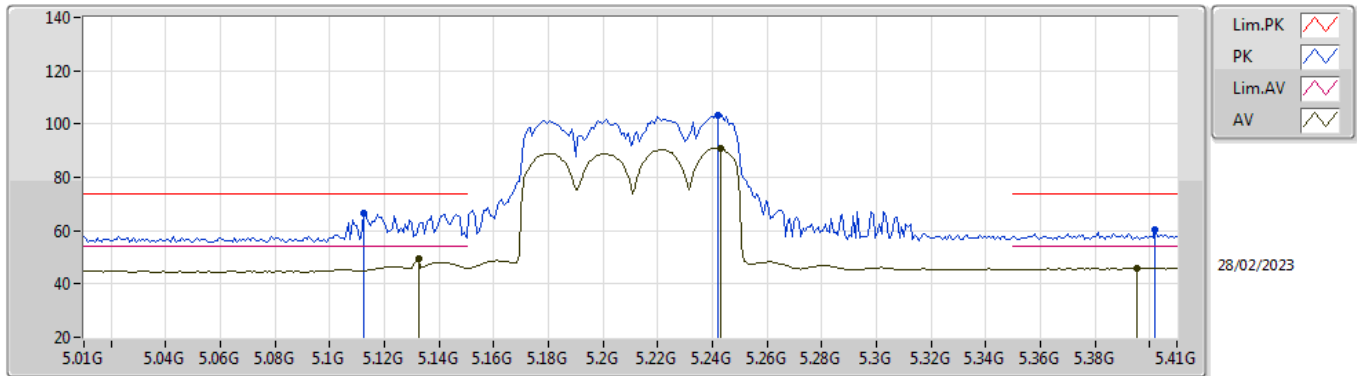


EUT Y_2TX
Setting 28
01-F-E-5

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 11.57938G | 58.18 | 74.00 | -15.82 | 42.16 | 3 | Horizontal | 145 | 1.80 | - | 38.80 | 8.93 | 31.71 |
| AV | 11.58994G | 45.96 | 54.00 | -8.04 | 29.92 | 3 | Horizontal | 145 | 1.80 | - | 38.80 | 8.94 | 31.70 |
| PK | 17.38776G | 67.44 | 68.20 | -0.76 | 44.03 | 3 | Horizontal | 313 | 1.25 | - | 42.56 | 11.26 | 30.41 |

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_2TX

5210MHz_TX

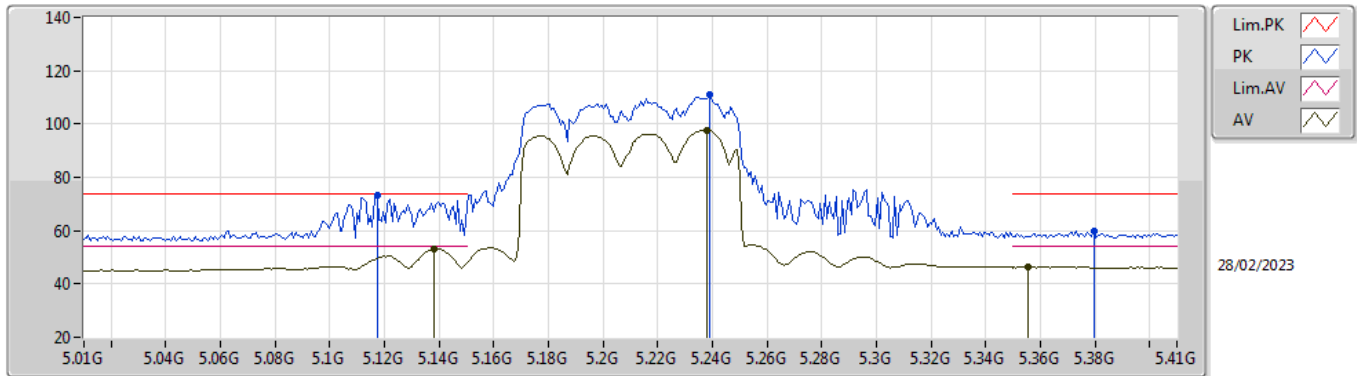


EUT_Z_2TX
 Setting 19.5
 01-B-M-2-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 5.1124G | 66.64 | 74.00 | -7.36 | 60.38 | 3 | Vertical | 107 | 2.36 | - | 33.10 | 5.96 | 32.80 |
| AV | 5.1324G | 49.28 | 54.00 | -4.72 | 43.00 | 3 | Vertical | 107 | 2.36 | - | 33.10 | 5.97 | 32.79 |
| PK | 5.242G | 103.49 | Inf | -Inf | 96.94 | 3 | Vertical | 107 | 2.36 | - | 33.28 | 6.02 | 32.75 |
| AV | 5.2428G | 91.12 | Inf | -Inf | 84.56 | 3 | Vertical | 107 | 2.36 | - | 33.29 | 6.02 | 32.75 |
| PK | 5.402G | 60.37 | 74.00 | -13.63 | 53.24 | 3 | Vertical | 107 | 2.36 | - | 33.71 | 6.10 | 32.68 |
| AV | 5.3956G | 45.89 | 54.00 | -8.11 | 38.79 | 3 | Vertical | 107 | 2.36 | - | 33.68 | 6.10 | 32.68 |

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_2TX

5210MHz_TX

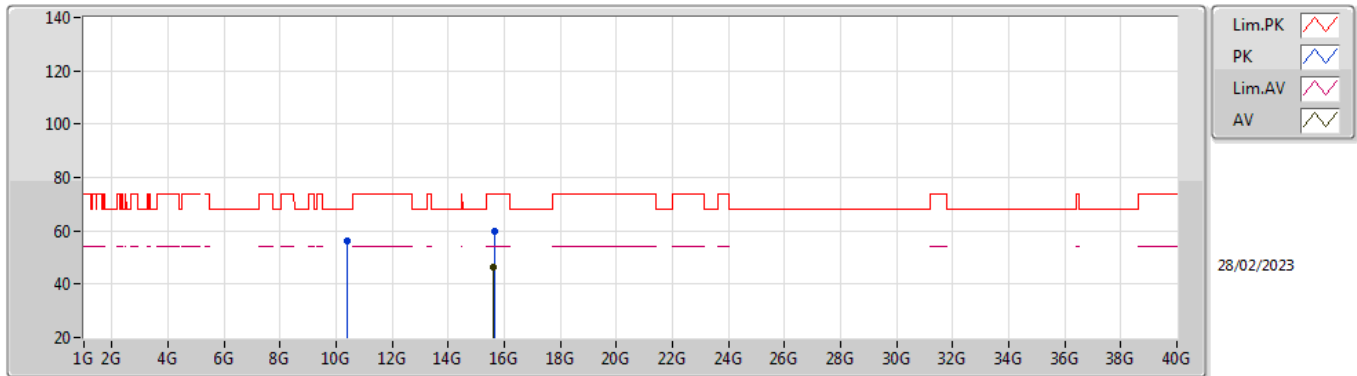


EUT_Z_2TX
 Setting 19.5
 01-B-M-2-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 5.1172G | 73.52 | 74.00 | -0.48 | 67.26 | 3 | Horizontal | 350 | 1.02 | - | 33.10 | 5.96 | 32.80 |
| AV | 5.138G | 53.17 | 54.00 | -0.83 | 46.89 | 3 | Horizontal | 350 | 1.02 | - | 33.10 | 5.97 | 32.79 |
| PK | 5.2388G | 110.84 | Inf | -Inf | 104.29 | 3 | Horizontal | 350 | 1.02 | - | 33.28 | 6.02 | 32.75 |
| AV | 5.238G | 97.73 | Inf | -Inf | 91.18 | 3 | Horizontal | 350 | 1.02 | - | 33.28 | 6.02 | 32.75 |
| PK | 5.3796G | 60.03 | 74.00 | -13.97 | 53.01 | 3 | Horizontal | 350 | 1.02 | - | 33.62 | 6.09 | 32.69 |
| AV | 5.3556G | 46.37 | 54.00 | -7.63 | 39.47 | 3 | Horizontal | 350 | 1.02 | - | 33.52 | 6.08 | 32.70 |

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_2TX

5210MHz_TX

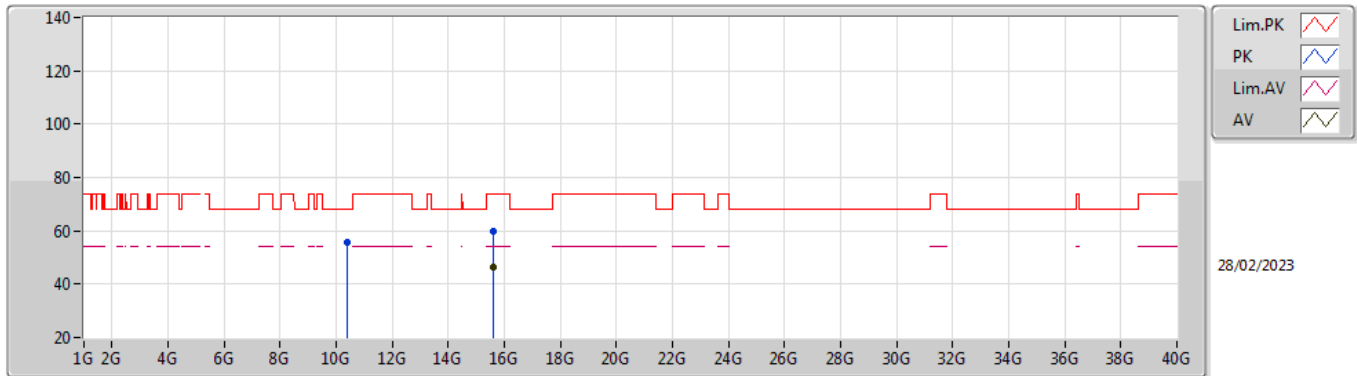


EUT_Z_2TX
 Setting 19.5
 01-B-M-2

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 10.41392G | 56.01 | 68.20 | -12.19 | 40.47 | 3 | Vertical | 159 | 1.40 | - | 38.80 | 8.47 | 31.73 |
| PK | 15.63728G | 59.98 | 74.00 | -14.02 | 41.76 | 3 | Vertical | 206 | 2.30 | - | 38.36 | 10.55 | 30.69 |
| AV | 15.62424G | 46.51 | 54.00 | -7.49 | 28.27 | 3 | Vertical | 206 | 2.30 | - | 38.38 | 10.55 | 30.69 |

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_2TX

5210MHz_TX

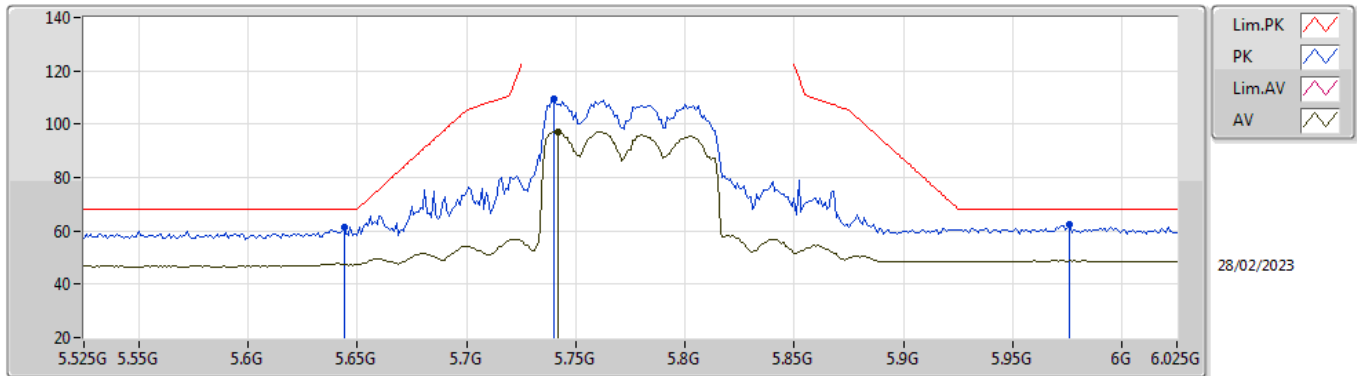


EUT_Z_2TX
 Setting 19.5
 01-B-M-2

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 10.41696G | 55.91 | 68.20 | -12.29 | 40.37 | 3 | Horizontal | 56 | 2.49 | - | 38.80 | 8.47 | 31.73 |
| PK | 15.621G | 60.05 | 74.00 | -13.95 | 41.81 | 3 | Horizontal | 177 | 1.88 | - | 38.38 | 10.55 | 30.69 |
| AV | 15.62436G | 46.31 | 54.00 | -7.69 | 28.07 | 3 | Horizontal | 177 | 1.88 | - | 38.38 | 10.55 | 30.69 |

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_2TX

5775MHz_TX

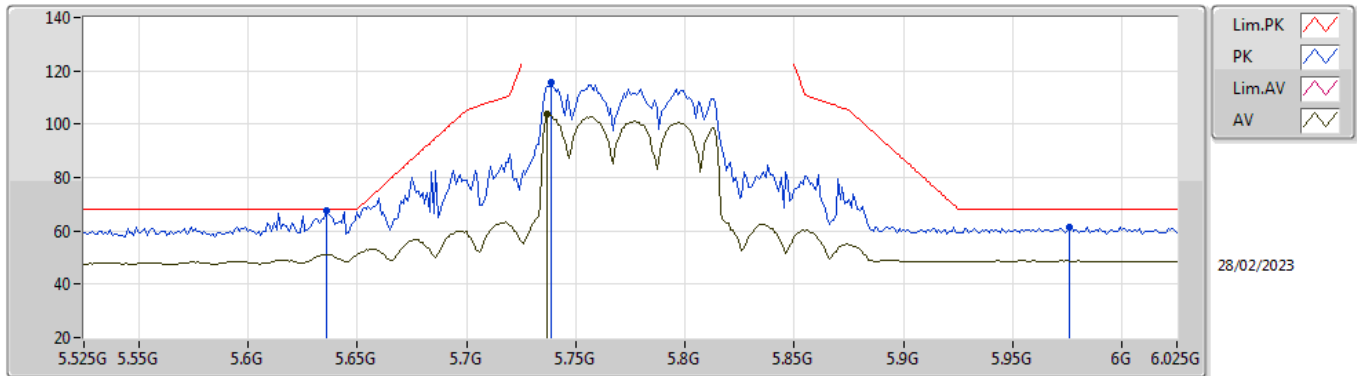


EUT Y_2TX
Setting 22.5
01-B-E-5-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 5.644G | 61.52 | 68.20 | -6.68 | 53.70 | 3 | Vertical | 352 | 3.00 | - | 34.30 | 6.22 | 32.70 |
| PK | 5.74G | 109.59 | Inf | -Inf | 101.56 | 3 | Vertical | 352 | 3.00 | - | 34.50 | 6.27 | 32.74 |
| AV | 5.742G | 97.21 | Inf | -Inf | 89.18 | 3 | Vertical | 352 | 3.00 | - | 34.50 | 6.27 | 32.74 |
| PK | 5.976G | 62.32 | 68.20 | -5.88 | 53.26 | 3 | Vertical | 352 | 3.00 | - | 35.50 | 6.39 | 32.83 |

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_2TX

5775MHz_TX

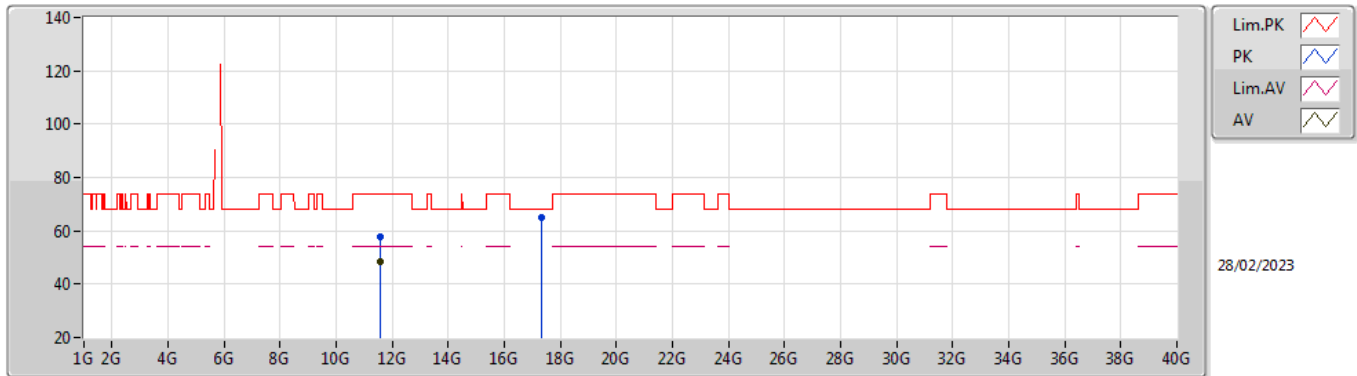


EUT Y_2TX
 Setting 22.5
 01-B-E-5-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 5.636G | 67.76 | 68.20 | -0.44 | 59.93 | 3 | Horizontal | 99 | 2.36 | - | 34.30 | 6.22 | 32.69 |
| PK | 5.739G | 115.50 | Inf | -Inf | 107.47 | 3 | Horizontal | 99 | 2.36 | - | 34.50 | 6.27 | 32.74 |
| AV | 5.737G | 103.60 | Inf | -Inf | 95.56 | 3 | Horizontal | 99 | 2.36 | - | 34.50 | 6.27 | 32.73 |
| PK | 5.976G | 61.51 | 68.20 | -6.69 | 52.45 | 3 | Horizontal | 99 | 2.36 | - | 35.50 | 6.39 | 32.83 |

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_2TX

5775MHz_TX

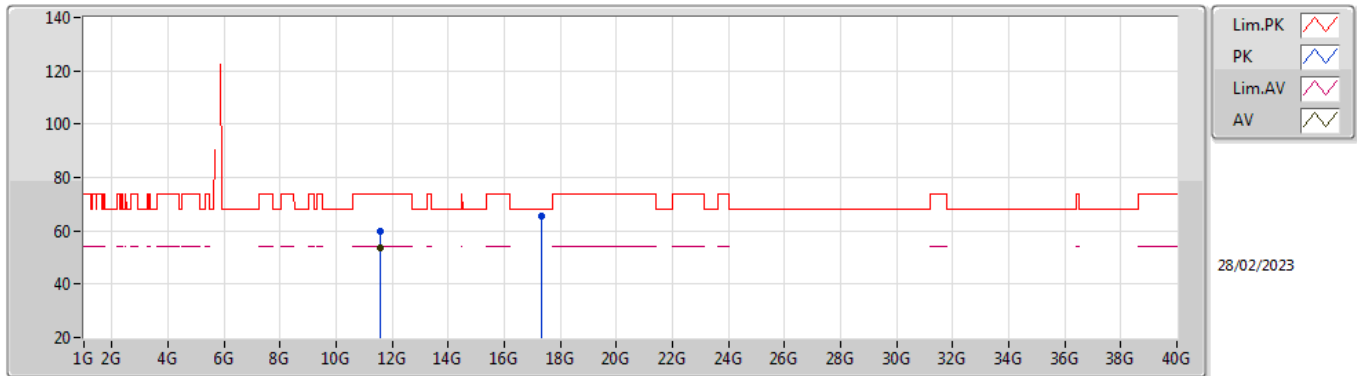


EUT Y_2TX
 Setting 22.5
 01-B-E-5

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 11.55018G | 58.01 | 74.00 | -15.99 | 42.01 | 3 | Vertical | 48 | 1.80 | - | 38.80 | 8.92 | 31.72 |
| AV | 11.54994G | 48.25 | 54.00 | -5.75 | 32.25 | 3 | Vertical | 48 | 1.80 | - | 38.80 | 8.92 | 31.72 |
| PK | 17.32602G | 65.15 | 68.20 | -3.05 | 41.86 | 3 | Vertical | 278 | 1.47 | - | 42.38 | 11.23 | 30.32 |

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_2TX

5775MHz_TX



EUT Y_2TX
 Setting 22.5
 01-B-E-5

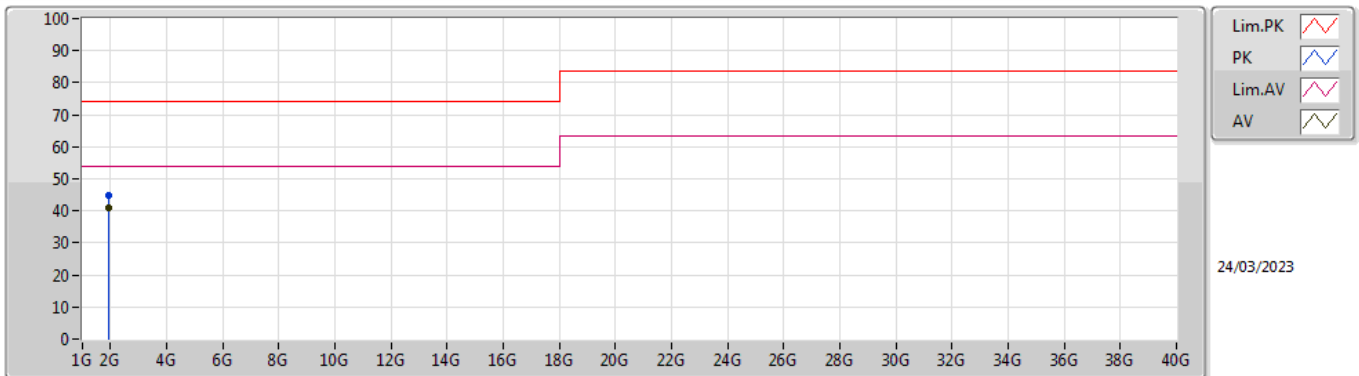
| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 11.55006G | 59.95 | 74.00 | -14.05 | 43.95 | 3 | Horizontal | 40 | 1.80 | - | 38.80 | 8.92 | 31.72 |
| AV | 11.54994G | 53.48 | 54.00 | -0.52 | 37.48 | 3 | Horizontal | 40 | 1.80 | - | 38.80 | 8.92 | 31.72 |
| PK | 17.32548G | 65.45 | 68.20 | -2.75 | 42.16 | 3 | Horizontal | 316 | 2.22 | - | 42.38 | 11.23 | 30.32 |



Summary

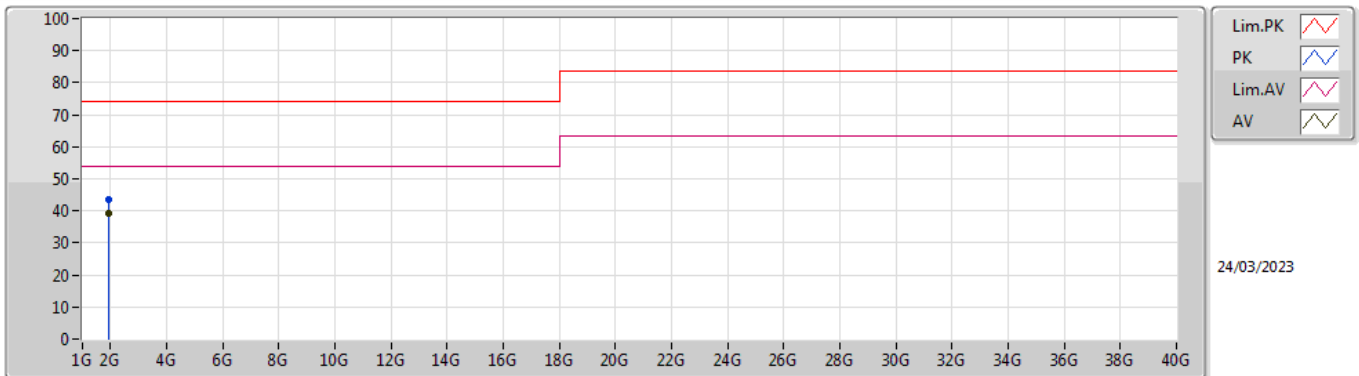
| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Condition |
|--------|--------|------|-----------|----------------|----------------|-------------|-----------|
| Mode 1 | Pass | AV | 1.92002G | 40.97 | 54.00 | -13.03 | Vertical |

Mode 1



| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB/m) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | Raw (dBuV/m) | AF (dB/m) | CL (dB) | PA (dB) |
|------|--------------|-------------------|-------------------|----------------|------------------|-------------|-----------|----------------|---------------|---------|-----------------|--------------|------------|------------|
| PK | 1.92005G | 44.63 | 74.00 | -29.37 | -4.33 | 3 | Vertical | 13.2 | 114 | - | 48.96 | 25.78 | 4.43 | 34.54 |
| AV | 1.92002G | 40.97 | 54.00 | -13.03 | -4.33 | 3 | Vertical | 13.2 | 114 | "Worst" | 45.30 | 25.78 | 4.43 | 34.54 |

Mode 1



| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB/m) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | Raw (dBuV/m) | AF (dB/m) | CL (dB) | PA (dB) |
|------|--------------|-------------------|-------------------|----------------|------------------|-------------|------------|----------------|---------------|---------|-----------------|--------------|------------|------------|
| PK | 1.91986G | 43.71 | 74.00 | -30.29 | -4.33 | 3 | Horizontal | 0 | 253.1 | - | 48.04 | 25.78 | 4.43 | 34.54 |
| AV | 1.92001G | 39.35 | 54.00 | -14.65 | -4.33 | 3 | Horizontal | 0 | 253.1 | "Worst" | 43.68 | 25.78 | 4.43 | 34.54 |