



RADIO TEST REPORT

FCC ID : 2ABZJ-100-00113

Equipment : A6

Brand Name : 

Model Name : A6

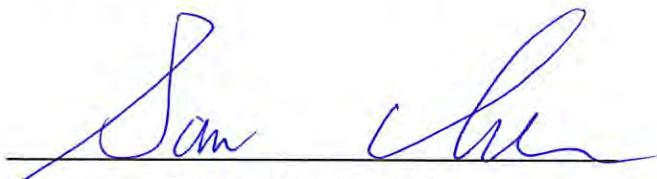
Applicant : Mimosa Networks, Inc.
3150 Coronado Drive, Santa Clara, California, United States, 95054

Manufacturer : Mimosa Networks, Inc.
3150 Coronado Drive, Santa Clara, California, United States, 95054

Standard : 47 CFR FCC Part 15.407

The product was received on Feb. 05, 2025, and testing was started from Feb. 11, 2025 and completed on Feb. 19, 2025. 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

Sportun International Inc. Hsinchu Laboratory
No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



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Appendix A. Test Results of AC Power-line Conducted Emissions**Appendix B. Test Results of Emission Bandwidth****Appendix C. Test Results of Maximum Equivalent Isotopically Radiated Power (E.I.R.P.)****Appendix D. Test Results of Peak Power Spectral Density (E.I.R.P.)****Appendix E. Test Results of Unwanted Emissions****Appendix F. Test Photos****Photographs of EUT v01**



History of this test report



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 Equivalent Isotopically Radiated Power (E.I.R.P.)	PASS	-
-	15.407(a)	Proper Power Adjustment	N/A	Non-Dual Client Device or non-Standard Client Device w/o test
-	15.407(a)	Transmit Power Control	N/A	Non-Very Low Power Device w/o test
3.4	15.407(a)	Peak Power Spectral Density (E.I.R.P.)	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-
-	15.407(d)	Contention-Based Protocol	N/A	Standard Power AP w/o test

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: Cathy Chiu



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5925-6425	ax (HEW20)	5955-6415	1-93 [24]
5925-6425	ax (HEW40)	5965-6405	3-91 [12]
5925-6425	ax (HEW80)	5985-6385	7-87 [6]
5925-6425	ax (HEW160)	6025-6345	15-79 [3]

Band	Mode	BWch (MHz)	Nant
5.925-6.425GHz	802.11ax HEW20	20	8TX
5.925-6.425GHz	802.11ax HEW40	40	8TX
5.925-6.425GHz	802.11ax HEW80	80	8TX
5.925-6.425GHz	802.11ax HEW160	160	8TX

Note:

- HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.



1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1~8	Mimosa	A6 Integrated Sector Antenna	Patch Array Antenna	I-PEX	Note 1

Note 1:

Ant.	Port	Gain (dBi)	Cable loss (dB)	Net Gain (dBi)
1	1~8	16	2.2	13.8

Note 2: The above information was declared by manufacturer.

For 6GHz function:**For IEEE 802.11 ax (8TX/8RX):**

Port 1~8 can be used as transmitting/receiving antenna.

Port 1~8 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11ax HEW20	0.973	0.12	2.04m	500
802.11ax HEW40	0.949	0.23	1.05m	1k
802.11ax HEW80	0.903	0.44	535.625u	2k
802.11ax HEW160	0.84	0.76	297.188u	5k

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From PoE or DC power source (48V)		
Beamforming Function	<input type="checkbox"/>	With beamforming	<input checked="" type="checkbox"/> Without beamforming
Device Type	<input type="checkbox"/>	Indoor Access Point	<input type="checkbox"/> Subordinate
	<input type="checkbox"/>	Indoor Client	<input checked="" type="checkbox"/> Standard Power Access Point
	<input type="checkbox"/>	Dual Client	<input type="checkbox"/> Standard Client
	<input type="checkbox"/>	Fixed Client	<input type="checkbox"/> Very Low Power
Condition of EUT	<input type="checkbox"/>	Indoor	<input checked="" type="checkbox"/> Outdoor
Channel Puncturing Function	<input type="checkbox"/>	Supported Static Puncturing	
	<input type="checkbox"/>	Supported Dynamic Puncturing (Reduce BW)	
	<input checked="" type="checkbox"/>	Unsupported	
Support RU	<input checked="" type="checkbox"/>	Full RU	<input type="checkbox"/> Partial RU
Test Software Version	Tera Term [ver 4.75]		

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 15.407
- ♦ 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 987594 D02 v03
- ♦ 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	Chris Li	21.6~23 / 58~61	Feb. 17, 2025
RF Radiated (E.I.R.P. Power/PSD)	03CH01-CB	Roy Mai	22.1-23.1 / 60-62	Feb. 12, 2025~ Feb. 18, 2025
RF Radiated (Maximum E.I.R.P. at any elevation angle above 30 degrees)	03CH01-CB	Roy Mai	22.1-23.1 / 60-62	Feb. 11, 2025
Radiated (Below 1GHz)	03CH03-CB	Roy Mai	22.2-22.6 / 59-61	Feb. 13, 2025
Radiated (Above 1GHz)	03CH01-CB	Roy Mai	22.1-23.1 / 60-62	Feb. 11, 2025~ Feb. 13, 2025
AC Conduction	CO01-CB	Ryan Huang	21-22 / 55~56	Feb. 19, 2025



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)	3.8 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.0 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.1 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode
802.11ax HEW20_Nss1,(MCS0)_8TX
5955MHz
6195MHz
6415MHz
802.11ax HEW40_Nss1,(MCS0)_8TX
5965MHz
6205MHz
6405MHz
802.11ax HEW80_Nss1,(MCS0)_8TX
5985MHz
6225MHz
6385MHz
802.11ax HEW160_Nss1,(MCS0)_8TX
6025MHz
6185MHz
6345MHz



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 6GHz + PoE
2	EUT + WLAN 6GHz + DC power supply (48V)

For operating mode 1 is the worst case and it was record in this test report.

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Maximum Equivalent Isotopically Radiated Power (E.I.R.P.) Maximum E.I.R.P. at any elevation angle above 30 degrees Peak Power Spectral Density (E.I.R.P.)
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.
After evaluating, the worst case was found at Y axis, so it was selected to perform test and its test result was written in the report.	
1	EUT in Y axis



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
After evaluating, the worst case was found at Y axis, so it was selected to perform test and its test result was written in the report.	
1	EUT in Y axis + WLAN 6GHz + PoE
2	EUT in Y axis + WLAN 6GHz + DC power supply (48V)
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
After evaluating, the worst case was found at Y axis, so it was selected to perform test and its test result was written in the report.	
1	EUT in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission MASK
Test Condition	Conducted measurement at transmit chains

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

PoE information as below:

Support Unit	Brand Name	Model Name
PoE	Mimosa	G0566-500-120

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

N/A



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE	Mimosa	G0566-500-120	N/A
B	Fiber Converter	XTRAMUS	MCM-8S82-W	N/A
C	Fiber Converter	XTRAMUS	MCM-8S82-W	N/A
D	PC	ASUS	S300TA	TX2-RTL8821CE

For Radiated (Below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
C	DC Power Supply	MOTECH	LPS-305	N/A

For Radiated (Above 1GHz), RF Radiated (Maximum E.I.R.P. at any elevation angle above 30 degrees) and RF Radiated (Maximum Equivalent Isotopically Radiated Power (E.I.R.P.) and Peak Power Spectral Density (E.I.R.P.) and RF Conducted:

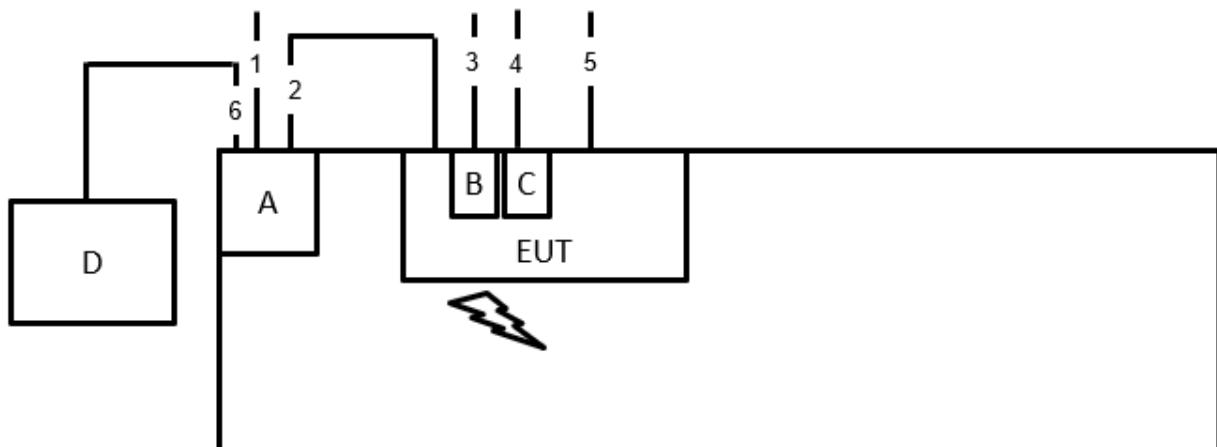
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	PoE	Mimosa	G0566-500-120	N/A



2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test

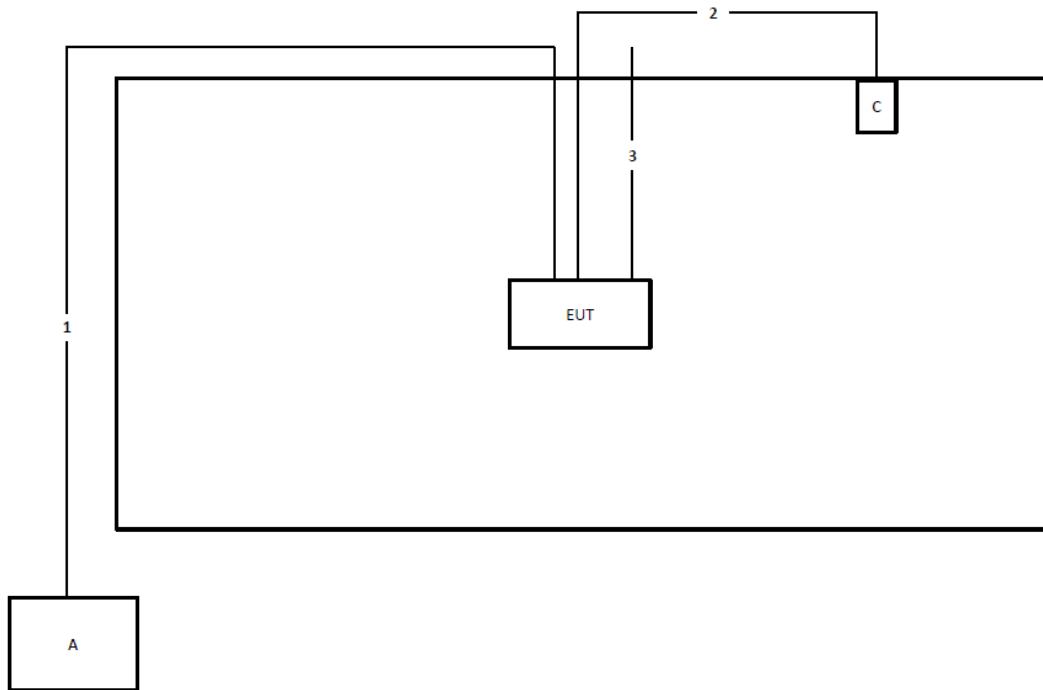
AC main



Item	Connection	Shielded	Length
1	Power cable	No	0.8m
2	RJ-45 cable	No	1.5m
3	Fiber cable	No	3m
4	Fiber cable	No	3m
5	GND cable	Yes	1m
6	RJ-45 cable	No	10m



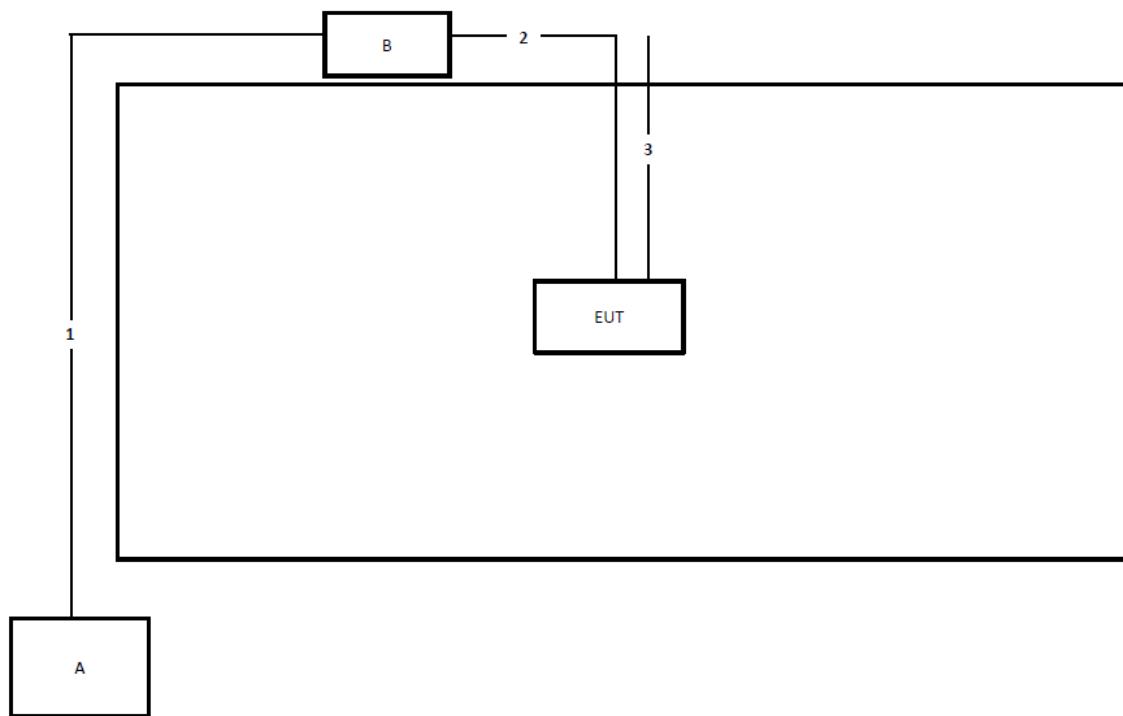
Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	DC cable	No	1.5m
3	GND cable	No	1.5m



Test Setup Diagram - Radiated Test > 1GHz



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



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

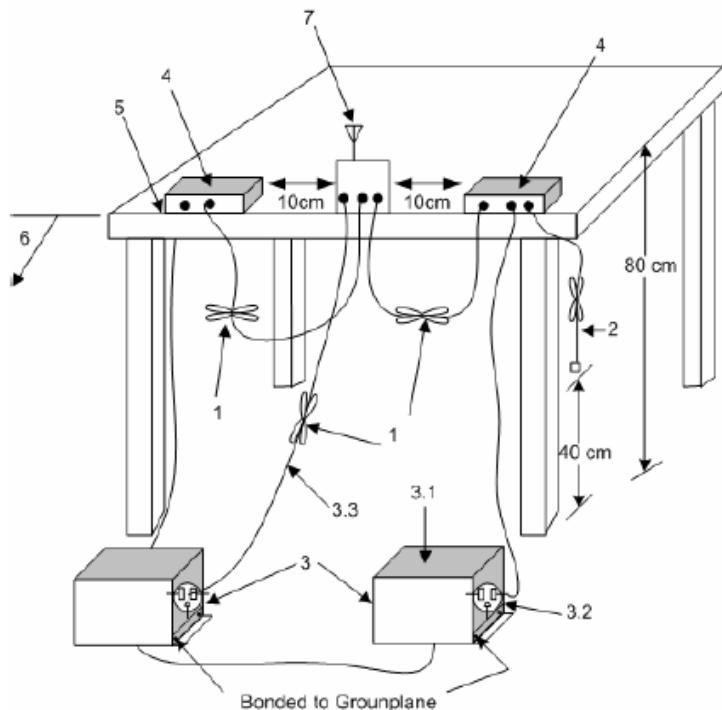
Refer a test equipment and calibration data table in this test report.

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

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.

2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.

3.1—All other equipment powered from additional LISN(s).

3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.

3.3—LISN at least 80 cm from nearest part of EUT chassis.

4—Non-EUT components of EUT system being tested.

5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.

6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.

7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading (dBuV) = LISN Factor + Cable Loss + Read Level = Level
- Margin = - Limit + (Read Level + LISN Factor + Cable Loss)

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 5925-6425 GHz band, need less than 320 MHz bandwidth.
<input type="checkbox"/>	For the 6425-6525 GHz band, need less than 320 MHz bandwidth.
<input type="checkbox"/>	For the 6525-6875 GHz band, need less than 320 MHz bandwidth.
<input type="checkbox"/>	For the 6875-7125 GHz band, need less than 320 MHz bandwidth.
RLAN Devices	
<input type="checkbox"/>	For the 5925-6425 GHz band, need less than 320 MHz bandwidth.
<input type="checkbox"/>	For the 6425-6525 GHz band, need less than 320 MHz bandwidth.
<input type="checkbox"/>	For the 6525-6875 GHz band, need less than 320 MHz bandwidth.
<input type="checkbox"/>	For the 6875-7125 GHz band, need less than 320 MHz bandwidth.

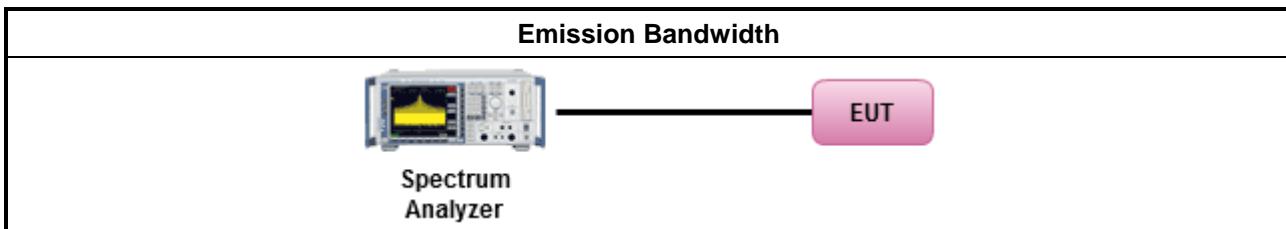
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
<input checked="" type="checkbox"/>	According to FCC KDB 987594 D02 clause II.C, measurement procedure shall refer to 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 Equivalent Isotopically Radiated Power (E.I.R.P.)

3.3.1 Maximum Equivalent Isotopically Radiated Power (E.I.R.P.) Limit

Maximum Equivalent Isotopically Radiated Power (E.I.R.P.) Limit	
UNII Devices	
<input checked="" type="checkbox"/>	For the 5.925 ~ 6.425 GHz band:
	<ul style="list-style-type: none">For standard power access point and fixed client device : e.i.r.p < 36 dBm. For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).For indoor access point : e.i.r.p < 30 dBm.For subordinate device control of an indoor access point : e.i.r.p < 30 dBm.For client device control of a standard power access point : e.i.r.p < 30 dBm.For client device control of an indoor access point : e.i.r.p < 24 dBm.For very low power device : e.i.r.p < 14 dBm.
<input type="checkbox"/>	For the 6.425 ~ 6.525 GHz band:
	<ul style="list-style-type: none">For indoor access point : e.i.r.p < 30 dBm.For client device control of an indoor access point : e.i.r.p < 24 dBm.
<input type="checkbox"/>	For the 6.525 ~ 6.875 GHz band:
	<ul style="list-style-type: none">For standard power access point and fixed client device : e.i.r.p < 36 dBm. For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).For indoor access point : e.i.r.p < 30 dBm.For subordinate device control of an indoor access point : e.i.r.p < 30 dBm.For client device control of a standard power access point : e.i.r.p < 30 dBm.For client device control of an indoor access point : e.i.r.p < 24 dBm.For very low power device : e.i.r.p < 14 dBm.
<input type="checkbox"/>	For the 6.875 ~ 7.125 GHz band:
	<ul style="list-style-type: none">For indoor access point : e.i.r.p < 30 dBm.For client device control of an indoor access point : e.i.r.p < 24 dBm.
RLAN Devices	
<input type="checkbox"/>	For the 5.925 ~ 7.125 GHz band:
	<ul style="list-style-type: none">For low-power indoor access-points & indoor subordinate devices < 30 dBm .For low-power client devices < 24 dBm.For very low-power devices < 14 dBm.
<input type="checkbox"/>	For the 5.925 ~ 6.875 GHz band:
	<ul style="list-style-type: none">For standard-power access points & fixed client devices < 36 dBm. For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).For standard client devices < 30 dBm.



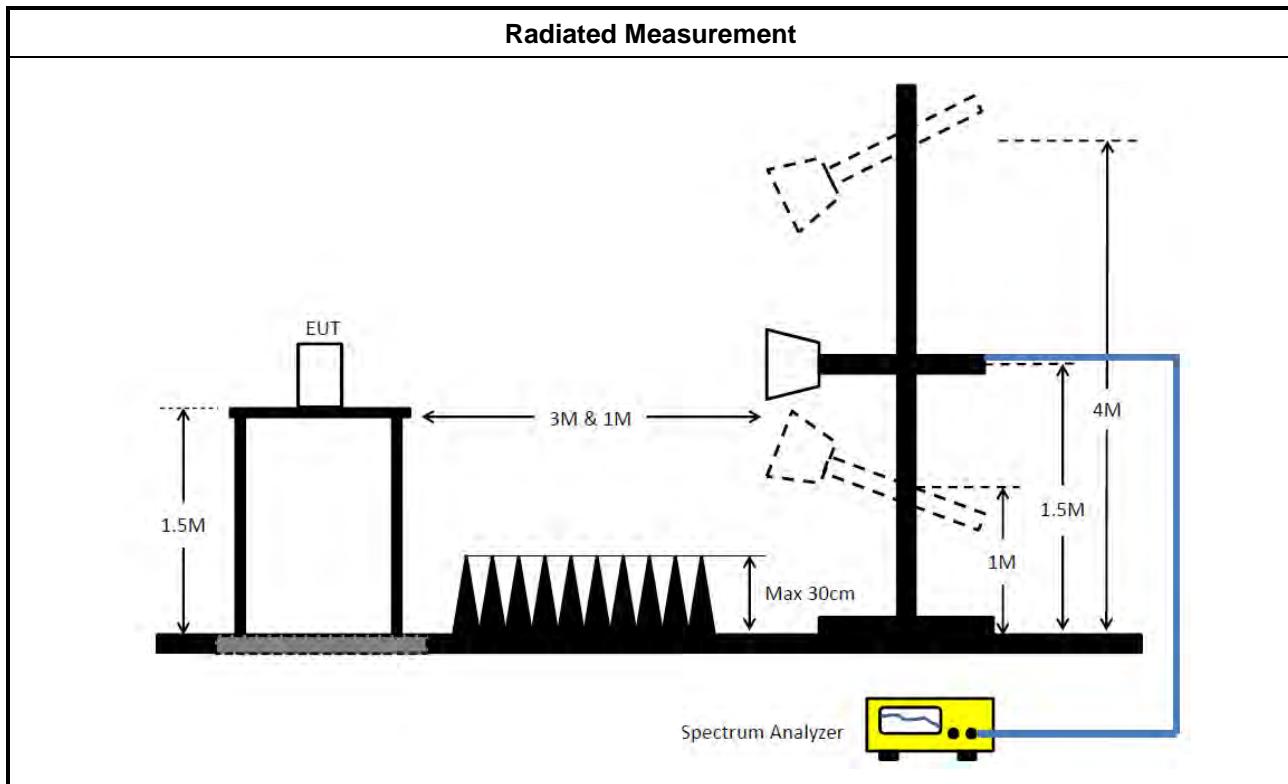
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none">According to FCC KDB 987594 D02 clause II.E, the test measurement procedure shall refer to KDB 789033.	
<input checked="" type="checkbox"/> 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). Spectrum analyzer setting: RBW/VBW : 1/3MHz ; Detector : RMS ; Trace mode : Average ; Sweep Count 100.	
<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 type="checkbox"/> Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).	
<input 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.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 checked="" 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 Equivalent Isotopically Radiated Power (E.I.R.P)

Refer as Appendix C



3.4 Peak Power Spectral Density (E.I.R.P.)

3.4.1 Peak Power Spectral Density (E.I.R.P.) Limit

Peak Power Spectral Density (E.I.R.P.) Limit	
UNII Devices	
<input checked="" type="checkbox"/>	For the 5.925 ~ 6.425 GHz band: <ul style="list-style-type: none">▪ For standard power access point and fixed client device : e.i.r.p PSD < 23 dBm/MHz.▪ For indoor access point : e.i.r.p PSD < 5 dBm/MHz.▪ For subordinate device control of an indoor access point : e.i.r.p PSD < 5 dBm/MHz.▪ For client device control of a standard power access point : e.i.r.p PSD < 17 dBm/MHz.▪ For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.▪ For very low power device : e.i.r.p PSD < -5 dBm/MHz.
<input type="checkbox"/>	For the 6.425 ~ 6.525 GHz band: <ul style="list-style-type: none">▪ For indoor access point : e.i.r.p PSD < 5 dBm/MHz.▪ For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
<input type="checkbox"/>	For the 6.525 ~ 6.875 GHz band: <ul style="list-style-type: none">▪ For standard power access point and fixed client device : e.i.r.p PSD < 23 dBm/MHz.▪ For indoor access point : e.i.r.p PSD < 5 dBm/MHz.▪ For subordinate device control of an indoor access point : e.i.r.p PSD < 5 dBm/MHz.▪ For client device control of a standard power access point : e.i.r.p PSD < 17 dBm/MHz.▪ For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.▪ For very low power device : e.i.r.p PSD < -5 dBm/MHz.
<input type="checkbox"/>	For the 6.875 ~ 7.125 GHz band: <ul style="list-style-type: none">▪ For indoor access point : e.i.r.p PSD < 5 dBm/MHz.▪ For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
RLAN Devices	
<input type="checkbox"/>	For the 5.925 ~ 7.125 GHz band: <ul style="list-style-type: none">▪ For low-power indoor access-points & indoor subordinate devices < 5 dBm / MHz.▪ For low-power client devices < -1 dBm / MHz.▪ For very low-power devices < -5 dBm / MHz.
<input type="checkbox"/>	For the 5.925 ~ 6.875 GHz band: <ul style="list-style-type: none">▪ For standard-power access points & fixed client devices < 23 dBm / MHz.▪ For standard client devices < 17 dBm / MHz.

3.4.2 Measuring Instruments

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

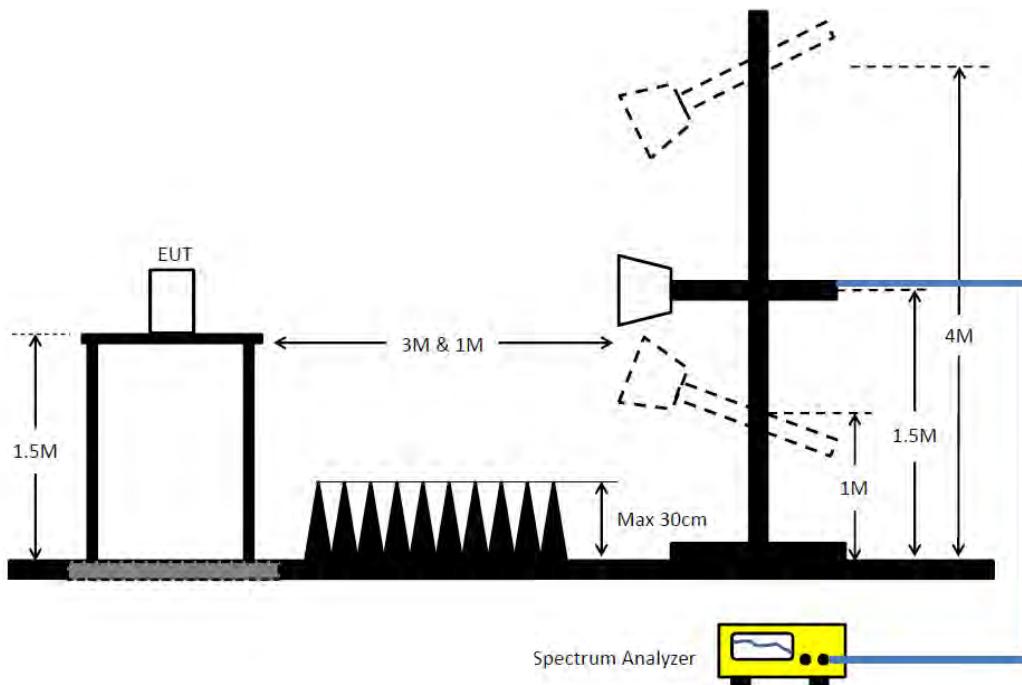


3.4.3 Test Procedures

Test Method	
<ul style="list-style-type: none">According to FCC KDB 987594 D02 clause II.F, the measurement procedure shall refer to KDB 789033. 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 \geq 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 type="checkbox"/> For conducted measurement.	
<ul style="list-style-type: none">If the EUT supports multiple transmit chains using options given below:	
<input 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 checked="" 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.	

Test Method

- Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.4.4 Test Setup**Radiated Measurement****3.4.5 Test Result of Peak Power Spectral Density (E.I.R.P.)**

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

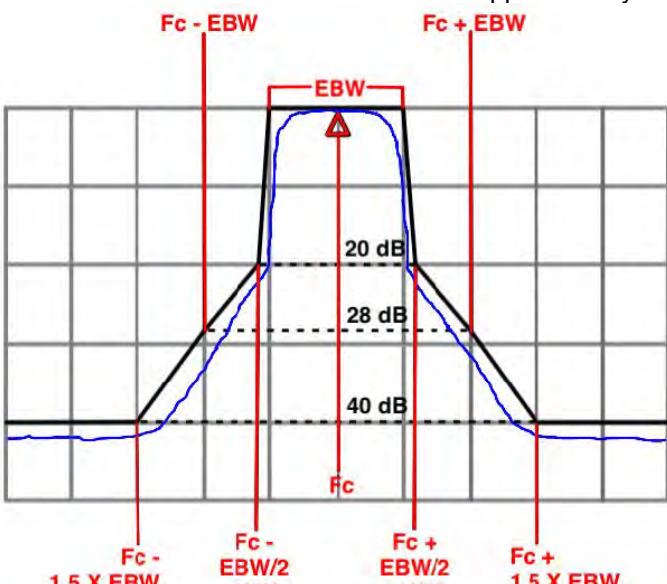
Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
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($20 \times \log(\text{standard distance} / \text{test distance}) = 20\log(3/1) = 9.54\text{dB}$).
EX. Above 18GHz emission limit calculation (3m to 1m) = $54\text{dBuV/m at 3m} + 9.54\text{dB} = 63.54\text{dBuV/m at 1m}$.

Un-restricted band emissions above 1GHz Limit	
Frequency	Limit
Any outside the 5.925 – 7.125 GHz emission	<p>e.i.r.p. -27 dBm [68.2 dBuV/m@3m]</p> <p>Note 1: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m($20 \times \log(\text{standard distance} / \text{test distance}) = 20\log(3/1) = 9.54\text{dB}$). EX. Above 18GHz emission limit calculation (3m to 1m) = $68.2\text{dBuV/m at 3m} + 9.54\text{dB} = 77.74\text{ dBuV/m at 1m}$.</p> <p>Note 2:-27 dBm EIRP OOB is measured RMS which is a deviation from the current 15E rules for 5 GHz bands. In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit.</p>

Frequency	Emission MASK Limit
5.925 – 7.125 GHz	<p>Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.</p> 



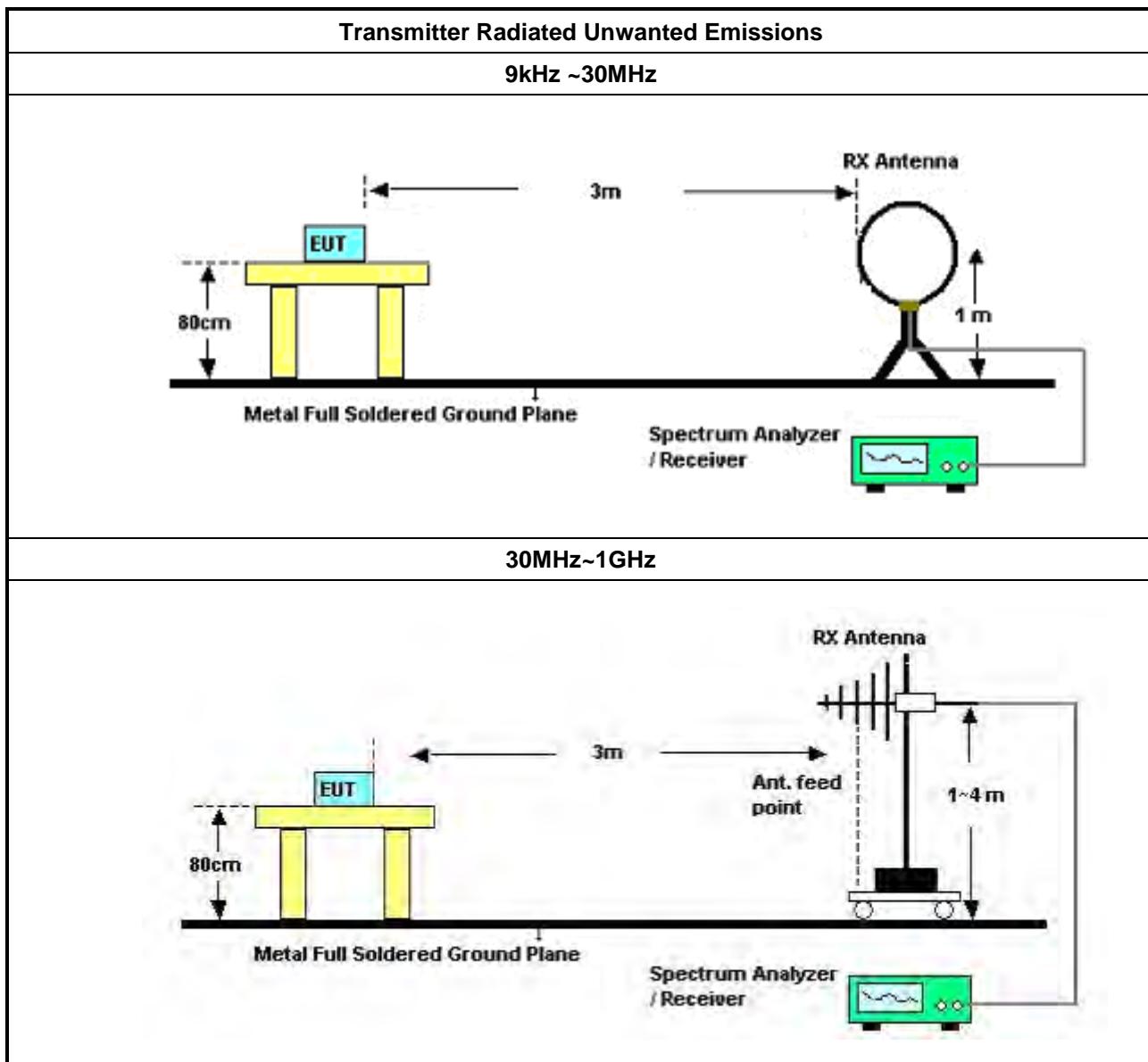
3.5.2 Measuring Instruments

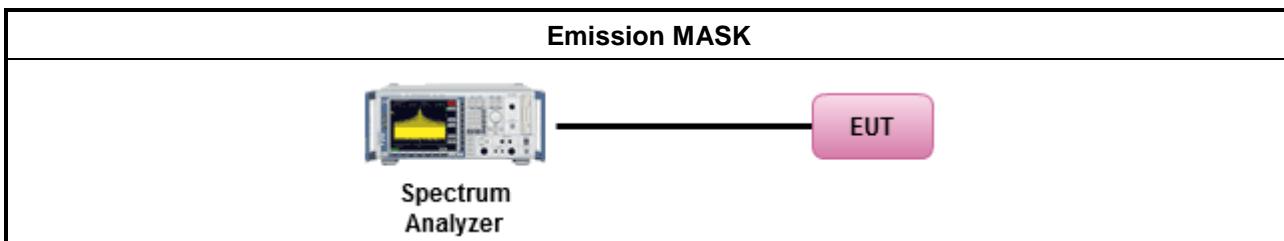
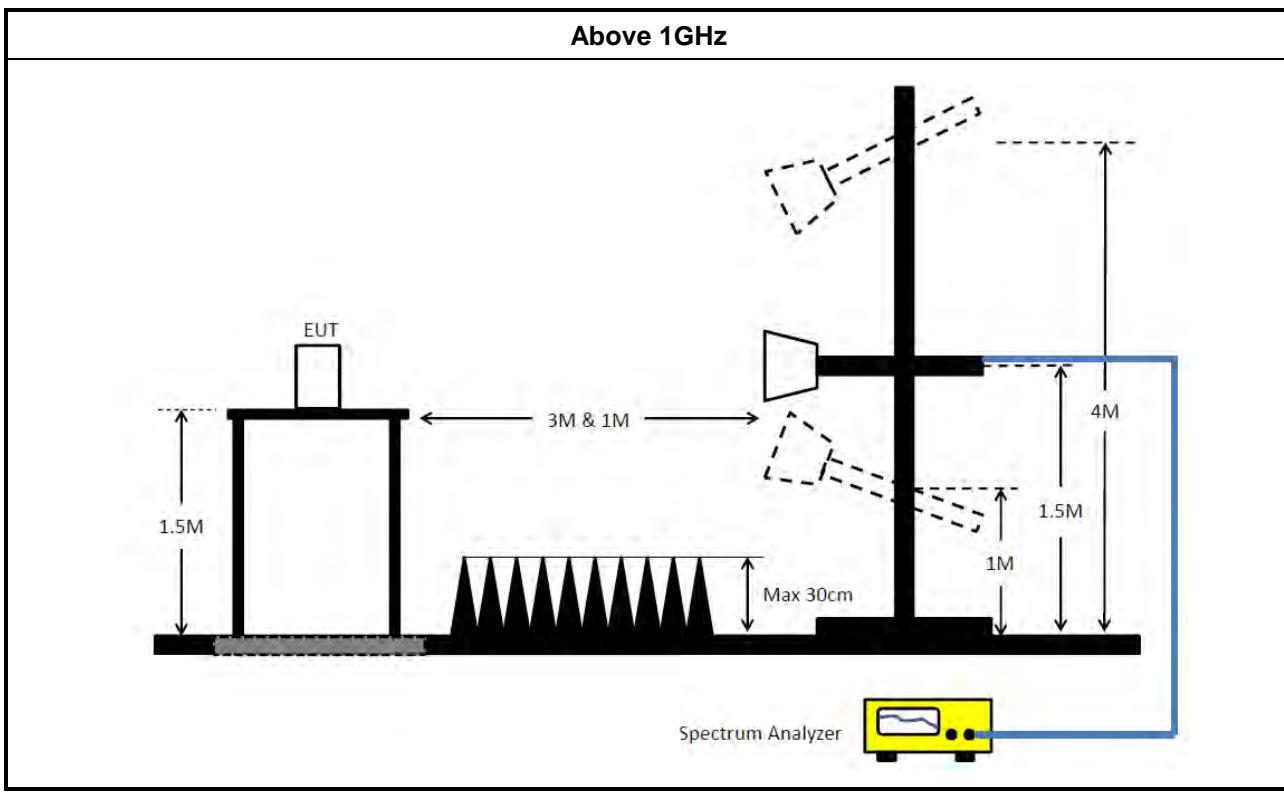
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method	
<ul style="list-style-type: none">According to FCC KDB 987594 D02 II.G. the unwanted emission measurement procedure shall refer to KDB 789300(except emission MASK). 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 \geq 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.	
<ul style="list-style-type: none">Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.	
<ul style="list-style-type: none"><input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging). (For unrestricted band measurement)	
<ul style="list-style-type: none"><input type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).	
<ul style="list-style-type: none"><input checked="" type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). $VBW \geq 1/T$, where T is pulse time. (For restricted band average measurement)	
<ul style="list-style-type: none"><input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.	
<ul style="list-style-type: none"><input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.	
<ul style="list-style-type: none"><input type="checkbox"/> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.	
<ul style="list-style-type: none">Refer as FCC KDB 789033 D02, clause G)3)d)ii) for Band edge Integration measurements.	
<ul style="list-style-type: none">For emission MASK shall be measured using following options below:	
	<input checked="" type="checkbox"/> Refer as FCC KDB 987594 D02, J) In-Band Emissions
<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.	
<ul style="list-style-type: none">Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.	
<ul style="list-style-type: none">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	Mar. 01, 2024	Feb. 28, 2025	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Feb. 06, 2025	Feb. 05, 2026	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 24, 2024	Apr. 23, 2025	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30MHz	Oct. 16, 2024	Oct. 15, 2025	Radiation (03CH03-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH03-CB	30 MHz ~ 1 GHz	Jan. 17, 2025	Jan. 16, 2026	Radiation (03CH03-CB)
Bilog Antenna with 6dB Attenuator	Schaffner & EMCI	CBL6112B& N-6-06	2888&AT-N060 5	30MHz ~ 1GHz	Jan. 17, 2025	Jan. 16, 2026	Radiation (03CH03-CB)
Amplifier	SGH	SGH301	20240606-1	30MHz ~ 1GHz	Jun. 04, 2024	Jun. 03, 2025	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 11, 2024	Jun. 10, 2025	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 21, 2024	Oct. 20, 2025	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	30MHz ~ 1GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 04, 2024	May 03, 2025	Radiation (03CH01-CB)
Horn Antenna	ETS-Lindgren	3115	00143147	750MHz~18GHz	Oct. 18, 2024	Oct. 17, 2025	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 17, 2024	May 16, 2025	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Dec. 12, 2024	Dec. 11, 2025	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE-154 07_NII	V5.11. 23	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 27, 2024	May 26, 2025	Conducted (TH01-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-01	1 ~ 18GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH01-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-02	1~ 18GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~18 GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
Cable 9k-18G	Woken	RG402	Cable-95	9 kHz –18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Mar. 01, 2024	Feb. 28, 2025	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	MY45100745	50MHz~18GHz	Jul. 12, 2024	Jul. 11, 2025	Conducted (TH01-CB)
Test Software	SPORTON	SENSE-154 07_NII	V5.11. 23	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

NCR means Non-Calibration required.

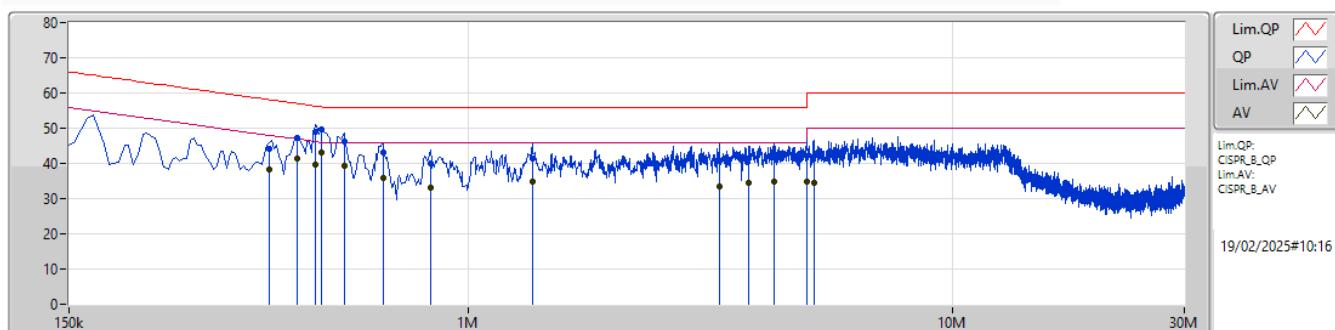


Conducted Emissions at Powerline

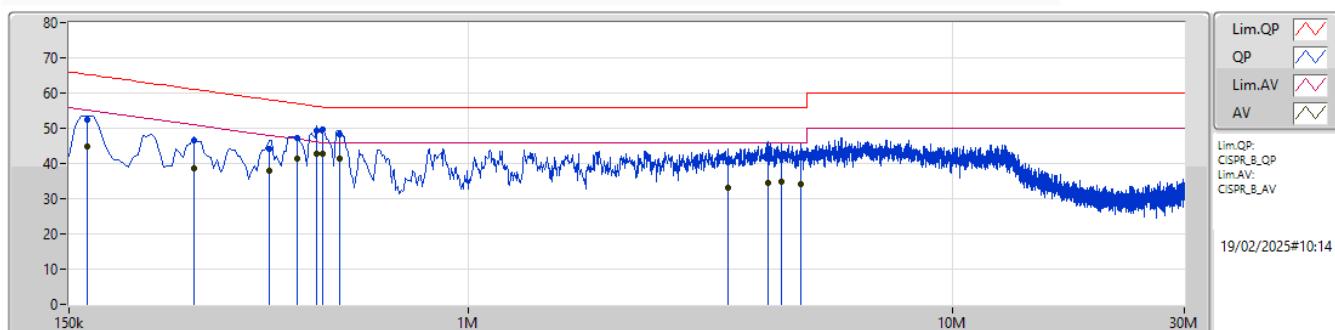
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	496.5k	42.96	46.06	-3.10	Line

Mode 1


Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	388.5k	44.27	58.10	-13.83	10.21	Line	-	34.06	0.05	0.10	10.06								
AV	388.5k	38.28	48.10	-9.82	10.21	Line	-	28.07	0.05	0.10	10.06								
QP	442.5k	47.21	57.01	-9.80	10.22	Line	-	36.99	0.05	0.10	10.07								
AV	442.5k	41.31	47.01	-5.70	10.22	Line	-	31.09	0.05	0.10	10.07								
QP	483k	48.83	56.29	-7.46	10.23	Line	-	38.60	0.05	0.10	10.08								
AV	483k	39.79	46.29	-6.50	10.23	Line	-	29.56	0.05	0.10	10.08								
QP	496.5k	49.74	56.06	-6.32	10.23	Line	-	39.51	0.05	0.10	10.08								
AV	496.5k	42.96	46.06	-3.10	10.23	Line	"Worst"	32.73	0.05	0.10	10.08								
QP	555k	46.07	56.00	-9.93	10.26	Line	-	35.81	0.06	0.10	10.10								
AV	555k	39.45	46.00	-6.55	10.26	Line	-	29.19	0.06	0.10	10.10								
QP	667.5k	43.09	56.00	-12.91	10.27	Line	-	32.82	0.06	0.09	10.12								
AV	667.5k	36.03	46.00	-9.97	10.27	Line	-	25.76	0.06	0.09	10.12								
QP	834k	40.16	56.00	-15.84	10.30	Line	-	29.86	0.07	0.09	10.14								
AV	834k	33.17	46.00	-12.83	10.30	Line	-	22.87	0.07	0.09	10.14								
QP	1.356M	41.21	56.00	-14.79	10.26	Line	-	30.95	0.08	0.11	10.07								
AV	1.356M	34.75	46.00	-11.25	10.26	Line	-	24.49	0.08	0.11	10.07								
QP	3.291M	40.67	56.00	-15.33	10.18	Line	-	30.49	0.12	0.15	9.91								
AV	3.291M	33.49	46.00	-12.51	10.18	Line	-	23.31	0.12	0.15	9.91								
QP	3.795M	41.46	56.00	-14.54	10.18	Line	-	31.28	0.13	0.15	9.90								
AV	3.795M	34.40	46.00	-11.60	10.18	Line	-	24.22	0.13	0.15	9.90								
QP	4.277M	41.83	56.00	-14.17	10.18	Line	-	31.65	0.14	0.15	9.89								
AV	4.277M	34.90	46.00	-11.10	10.18	Line	-	24.72	0.14	0.15	9.89								
QP	4.983M	42.09	56.00	-13.91	10.18	Line	-	31.91	0.15	0.15	9.88								
AV	4.983M	34.66	46.00	-11.34	10.18	Line	-	24.48	0.15	0.15	9.88								
QP	5.159M	42.03	60.00	-17.97	10.19	Line	-	31.84	0.16	0.15	9.88								
AV	5.159M	34.62	50.00	-15.38	10.19	Line	-	24.43	0.16	0.15	9.88								

Mode 1


Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	163.5k	52.38	65.27	-12.89	10.05	Neutral	-	42.32	0.06	0.08	9.92								
AV	163.5k	44.94	55.27	-10.33	10.06	Neutral	-	34.88	0.06	0.08	9.92								
QP	271.5k	46.41	61.07	-14.66	10.14	Neutral	-	36.27	0.06	0.08	10.00								
AV	271.5k	38.79	51.07	-12.28	10.14	Neutral	-	28.65	0.06	0.08	10.00								
QP	388.5k	44.07	58.10	-14.03	10.22	Neutral	-	33.85	0.06	0.10	10.06								
AV	388.5k	37.80	48.10	-10.30	10.22	Neutral	-	27.58	0.06	0.10	10.06								
QP	442.5k	47.20	57.01	-9.81	10.23	Neutral	-	36.97	0.06	0.10	10.07								
AV	442.5k	41.30	47.01	-5.71	10.23	Neutral	-	31.07	0.06	0.10	10.07								
QP	487.5k	49.45	56.21	-6.76	10.24	Neutral	-	39.21	0.06	0.10	10.08								
AV	487.5k	42.59	46.21	-3.62	10.24	Neutral	-	32.35	0.06	0.10	10.08								
QP	500k	49.57	56.00	-6.43	10.24	Neutral	-	39.33	0.06	0.10	10.08								
AV	500k	42.86	46.00	-3.14	10.24	Neutral	"Worst"	32.62	0.06	0.10	10.08								
QP	541.5k	48.37	56.00	-7.63	10.26	Neutral	-	38.11	0.07	0.10	10.09								
AV	541.5k	41.27	46.00	-4.73	10.26	Neutral	-	31.01	0.07	0.10	10.09								
QP	3.435M	40.40	56.00	-15.60	10.18	Neutral	-	30.22	0.12	0.15	9.91								
AV	3.435M	33.05	46.00	-12.95	10.18	Neutral	-	22.87	0.12	0.15	9.91								
QP	4.142M	41.54	56.00	-14.46	10.18	Neutral	-	31.36	0.13	0.15	9.90								
AV	4.142M	34.51	46.00	-11.49	10.18	Neutral	-	24.33	0.13	0.15	9.90								
QP	4.425M	41.87	56.00	-14.13	10.18	Neutral	-	31.69	0.14	0.15	9.89								
AV	4.425M	34.87	46.00	-11.13	10.18	Neutral	-	24.69	0.14	0.15	9.89								
QP	4.862M	41.84	56.00	-14.16	10.18	Neutral	-	31.66	0.15	0.15	9.88								
AV	4.862M	34.22	46.00	-11.78	10.18	Neutral	-	24.04	0.15	0.15	9.88								

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_8TX	24.475M	19.193M	19M2D1D	20.46M	19.022M
802.11ax HEW40_Nss1,(MCS0)_8TX	42.79M	37.976M	38M0D1D	40.92M	37.836M
802.11ax HEW80_Nss1,(MCS0)_8TX	87.12M	77.838M	77M8D1D	82.06M	77.382M
802.11ax HEW160_Nss1,(MCS0)_8TX	167.2M	156.749M	157MD1D	162.36M	155.897M

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)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)	Port 5-N dB (Hz)	Port 5-OBW (Hz)	Port 6-N dB (Hz)	Port 6-OBW (Hz)	Port 7-N dB (Hz)	Port 7-OBW (Hz)	Port 8-N dB (Hz)	Port 8-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	320 M	21.065 M	19.119M	22.605 M	19.07M	23.155 M	19.067M	22.935 M	19.077M	22.715 M	19.093M	23.1M	19.193M	23.21M	19.118M	24.365 M	19.098M
6195MHz	Pass	320 M	20.46M	19.101M	22.77M	19.044M	22.055 M	19.066M	23.155 M	19.045M	23.21M	19.11M	23.1M	19.065M	23.155 M	19.061M	23.54M	19.046M
6415MHz	Pass	320 M	24.475 M	19.022M	23.76M	19.022M	22.77M	19.025M	22.385 M	19.026M	22.33M	19.094M	23.1M	19.042M	23.815 M	19.074M	23.375 M	19.057M
802.11ax HEW40_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	320 M	41.36M	37.846M	41.58M	37.867M	41.14M	37.843M	42.13M	37.913M	41.58M	37.891M	41.8M	37.927M	41.47M	37.836M	41.8M	37.88M
6205MHz	Pass	320 M	42.13M	37.916M	41.36M	37.943M	42.24M	37.907M	40.92M	37.877M	41.69M	37.926M	41.14M	37.976M	41.25M	37.921M	42.24M	37.873M
6405MHz	Pass	320 M	41.8M	37.879M	42.02M	37.936M	41.47M	37.963M	42.79M	37.881M	41.8M	37.893M	41.14M	37.907M	41.47M	37.897M	42.13M	37.857M
802.11ax HEW80_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	320 M	85.36M	77.838M	85.14M	77.588M	85.8M	77.466M	83.82M	77.731M	84.7M	77.489M	86.46M	77.586M	85.36M	77.51M	85.58M	77.725M
6225MHz	Pass	320 M	85.58M	77.598M	86.68M	77.544M	83.6M	77.451M	84.48M	77.532M	85.36M	77.648M	87.12M	77.562M	85.58M	77.471M	85.58M	77.541M
6385MHz	Pass	320 M	86.02M	77.382M	85.14M	77.388M	84.26M	77.386M	84.92M	77.467M	86.9M	77.552M	85.8M	77.417M	82.06M	77.393M	86.68M	77.406M
802.11ax HEW160_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	320 M	162.36 M	155.897 M	165.88 M	156.212 M	163.68 M	156.136 M	166.76 M	155.996 M	163.68 M	155.951 M	164.56 M	156.321 M	165.88 M	156.077 M	165.44 M	156.163 M
6185MHz	Pass	320 M	162.36 M	156.195 M	165.44 M	156.211 M	165M	156.104 M	165.44 M	156.374 M	167.2M	156.475 M	164.12 M	156.749 M	165.88 M	156.443 M	166.32 M	156.605 M
6345MHz	Pass	320 M	165.44 M	156.085 M	165M	156.156 M	167.2M	156.19M	165.88 M	156.122 M	165M	156.476 M	166.76 M	156.188 M	165.88 M	156.205 M	165M	155.911 M

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

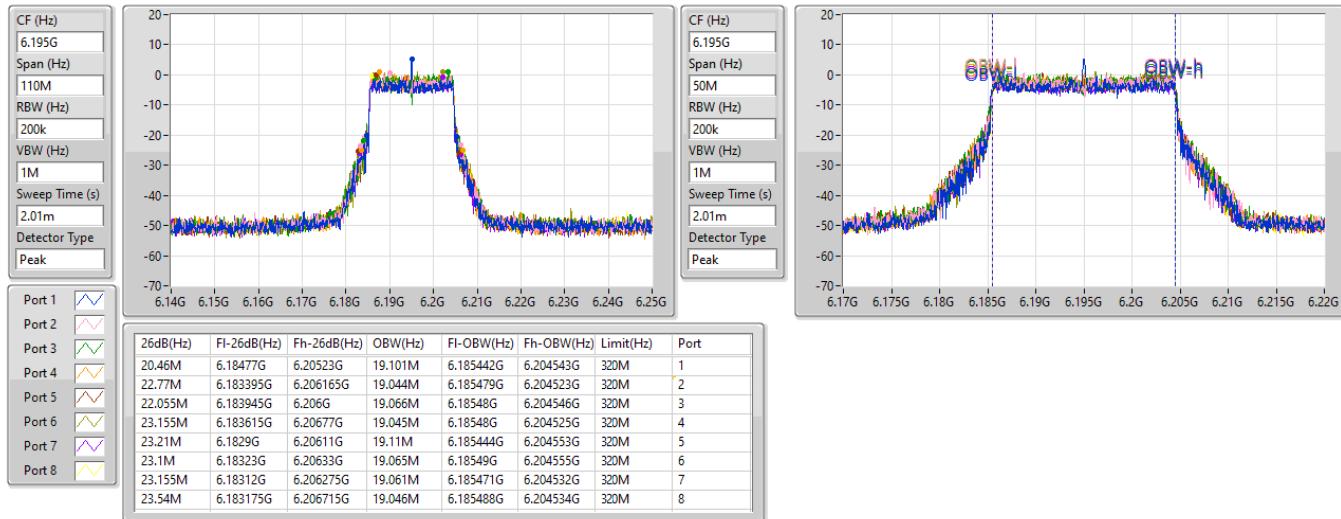
Port X-OBW = Port X 99% occupied bandwidth

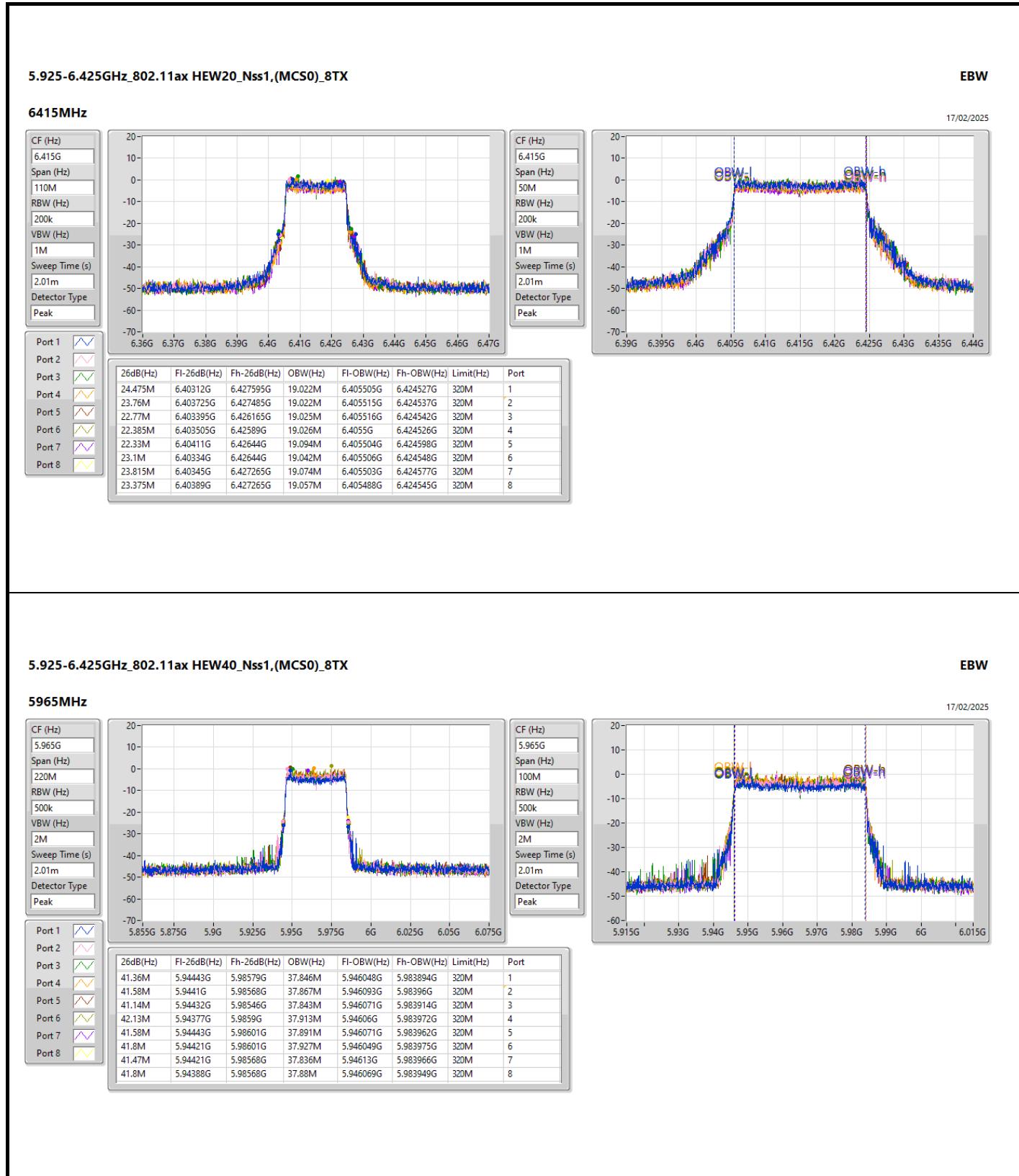
5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_8TX
EBW
5955MHz

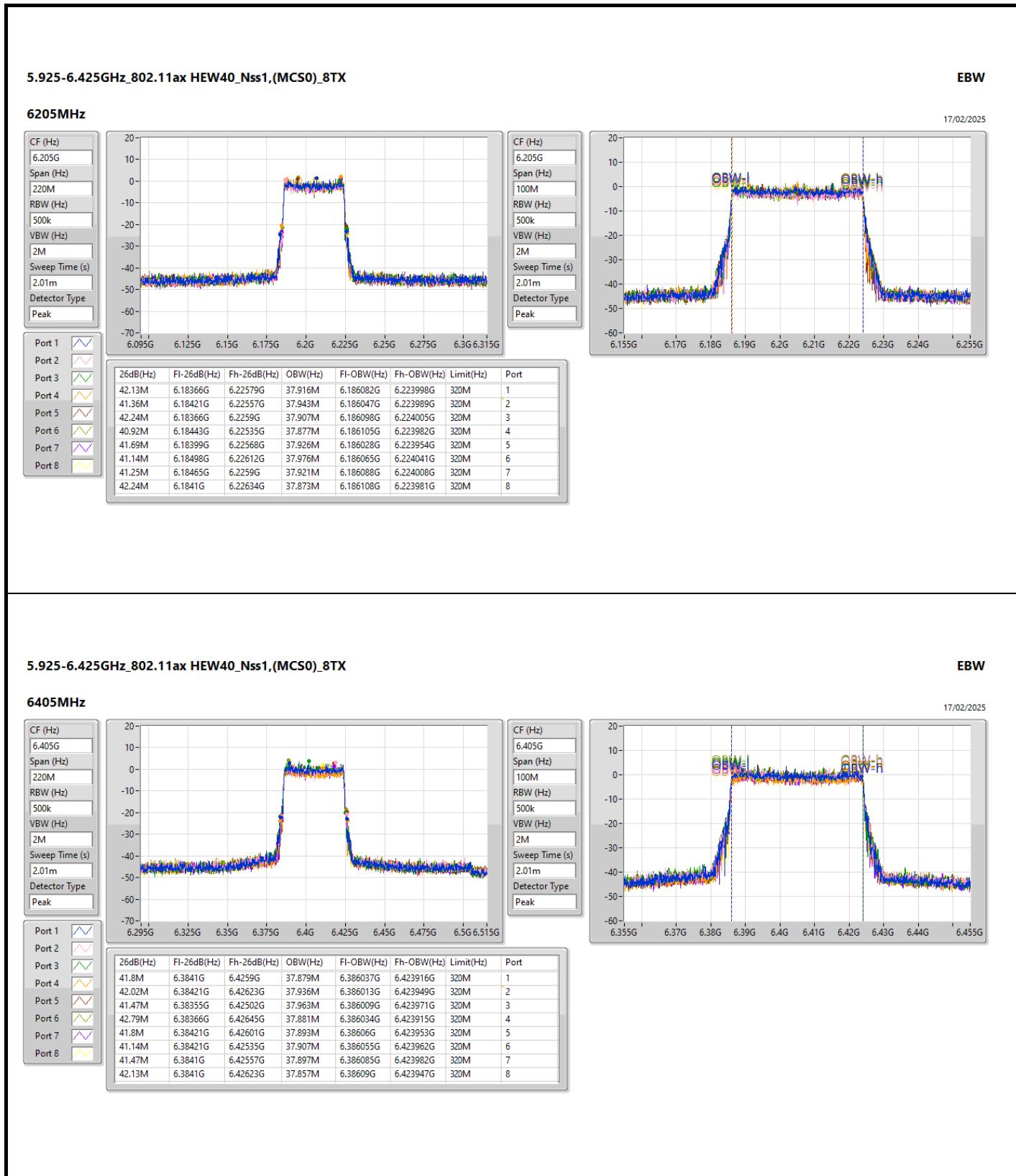
17/02/2025


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_8TX
EBW
6195MHz

17/02/2025

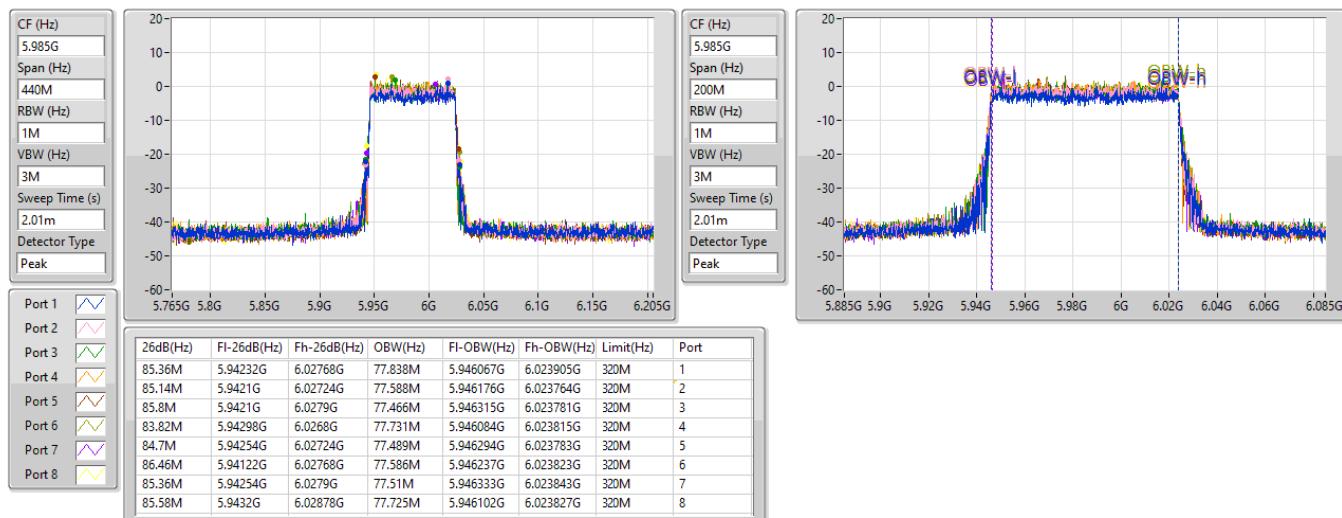




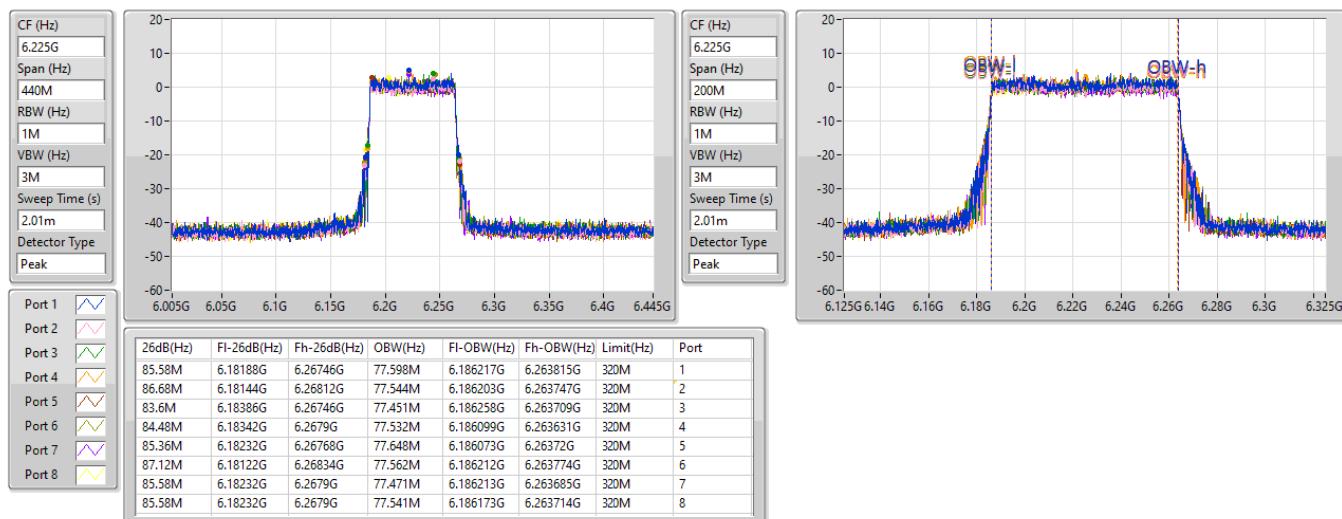


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_8TX
EBW
5985MHz

17/02/2025

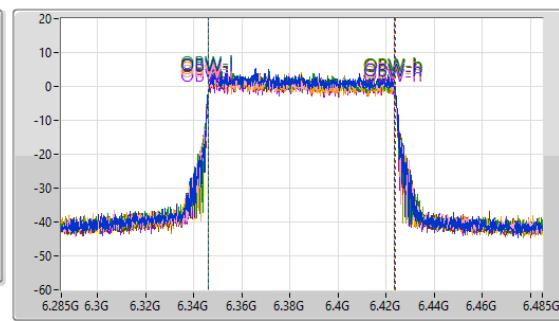
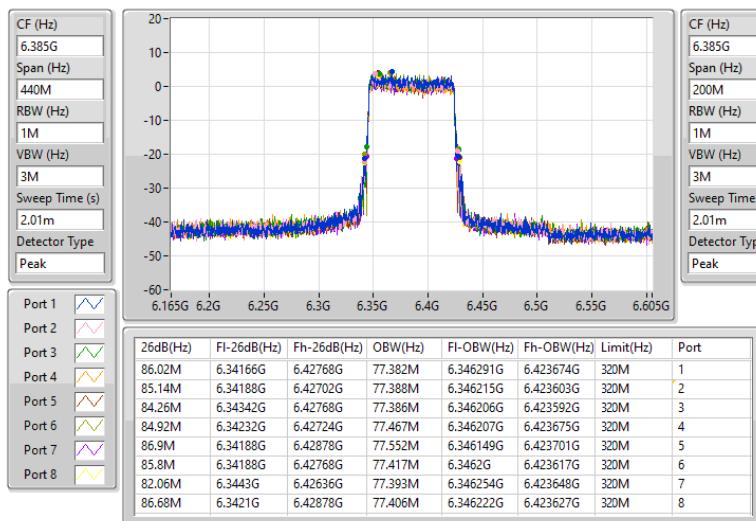

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_8TX
EBW
6225MHz

17/02/2025

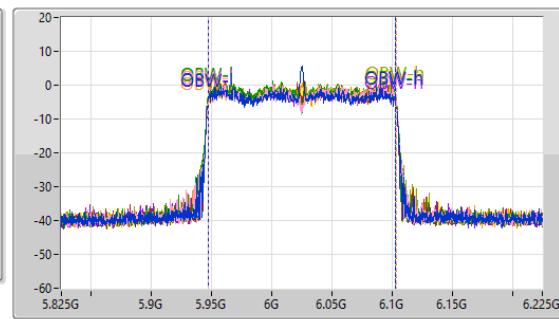
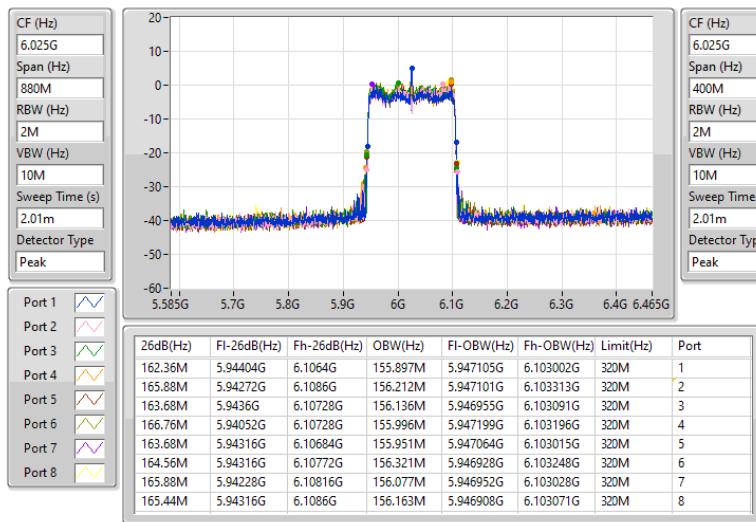


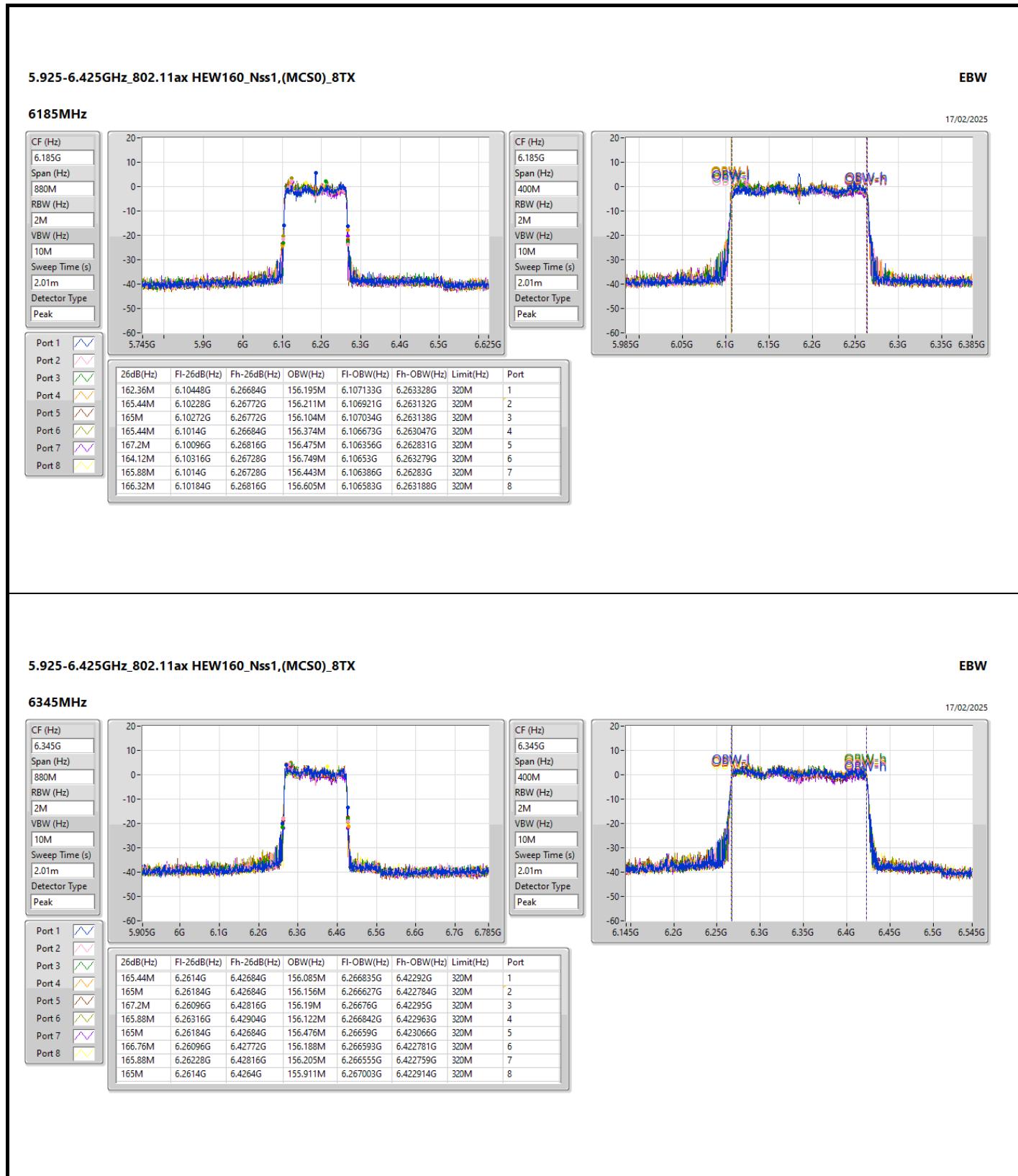
5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_8TX
EBW
6385MHz

17/02/2025


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_8TX
EBW
6025MHz

17/02/2025





**Summary**

Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_8TX	29.48	0.88716
802.11ax HEW40_Nss1,(MCS0)_8TX	32.52	1.78649
802.11ax HEW80_Nss1,(MCS0)_8TX	33.38	2.17771
802.11ax HEW160_Nss1,(MCS0)_8TX	31.07	1.27938

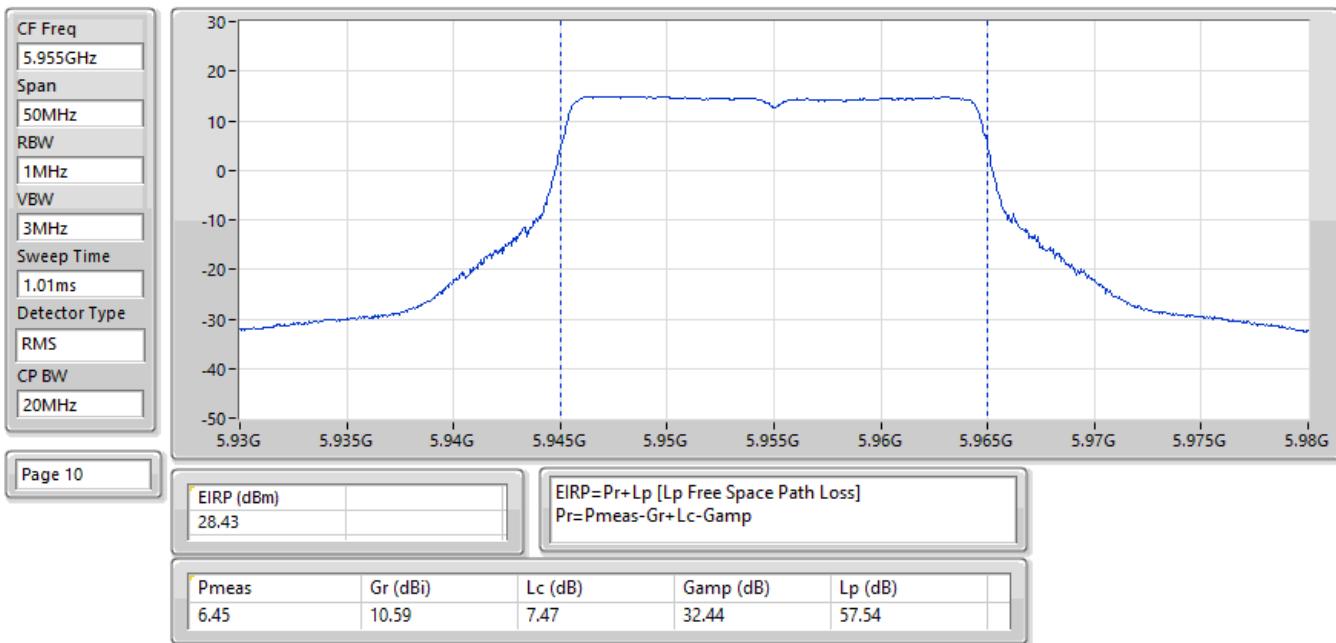
**Result**

Mode	Result	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_8TX	-	-	-
5955MHz	Pass	28.43	36.00
6195MHz	Pass	29.48	36.00
6415MHz	Pass	29.21	36.00
802.11ax HEW40_Nss1,(MCS0)_8TX	-	-	-
5965MHz	Pass	27.47	36.00
6205MHz	Pass	30.27	36.00
6405MHz	Pass	32.52	36.00
802.11ax HEW80_Nss1,(MCS0)_8TX	-	-	-
5985MHz	Pass	28.66	36.00
6225MHz	Pass	30.91	36.00
6385MHz	Pass	33.38	36.00
802.11ax HEW160_Nss1,(MCS0)_8TX	-	-	-
6025MHz	Pass	28.56	36.00
6185MHz	Pass	28.68	36.00
6345MHz	Pass	31.07	36.00

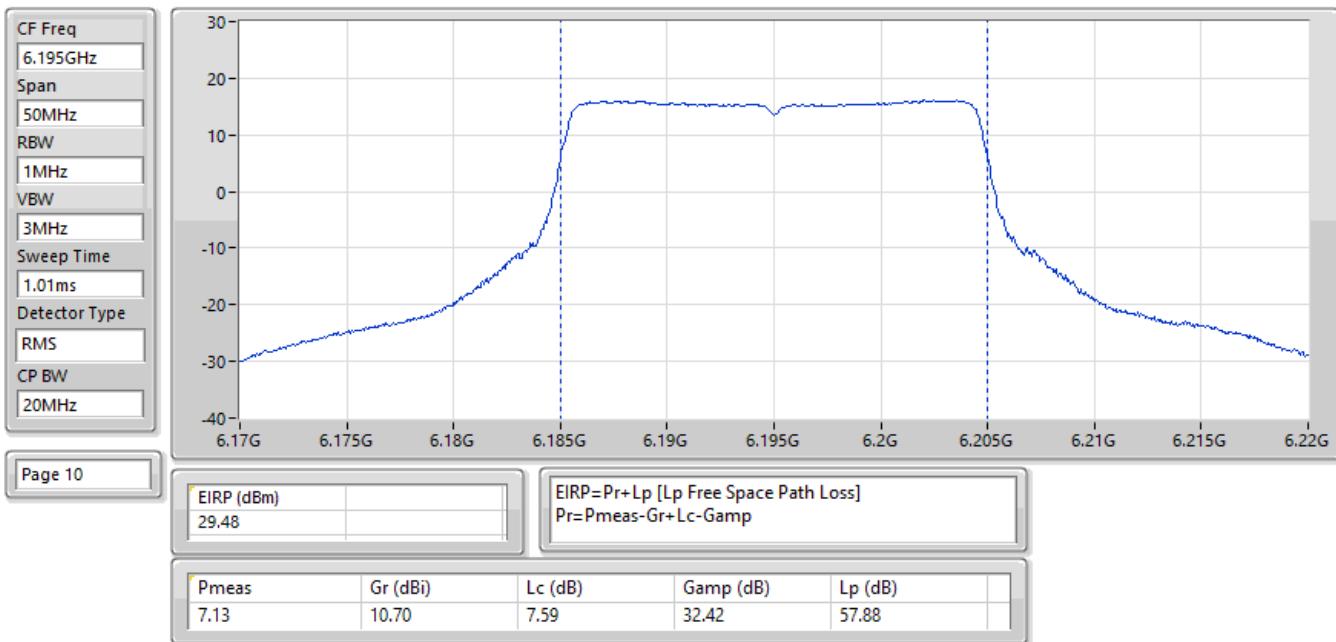
DG = Directional Gain: Port X = Port X output power
Inf = There's no restriction for the limit.



14/02/2025

EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:8;Ch:5955MHz;TX

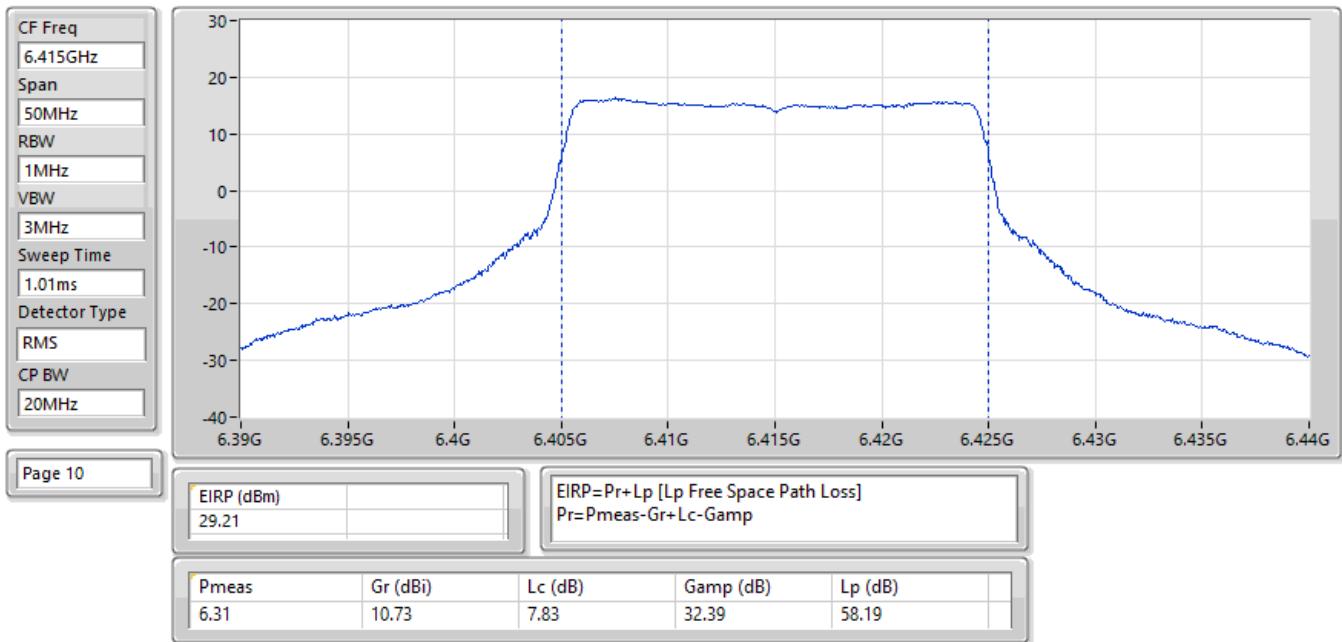
14/02/2025

EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:8;Ch:6195MHz;TX



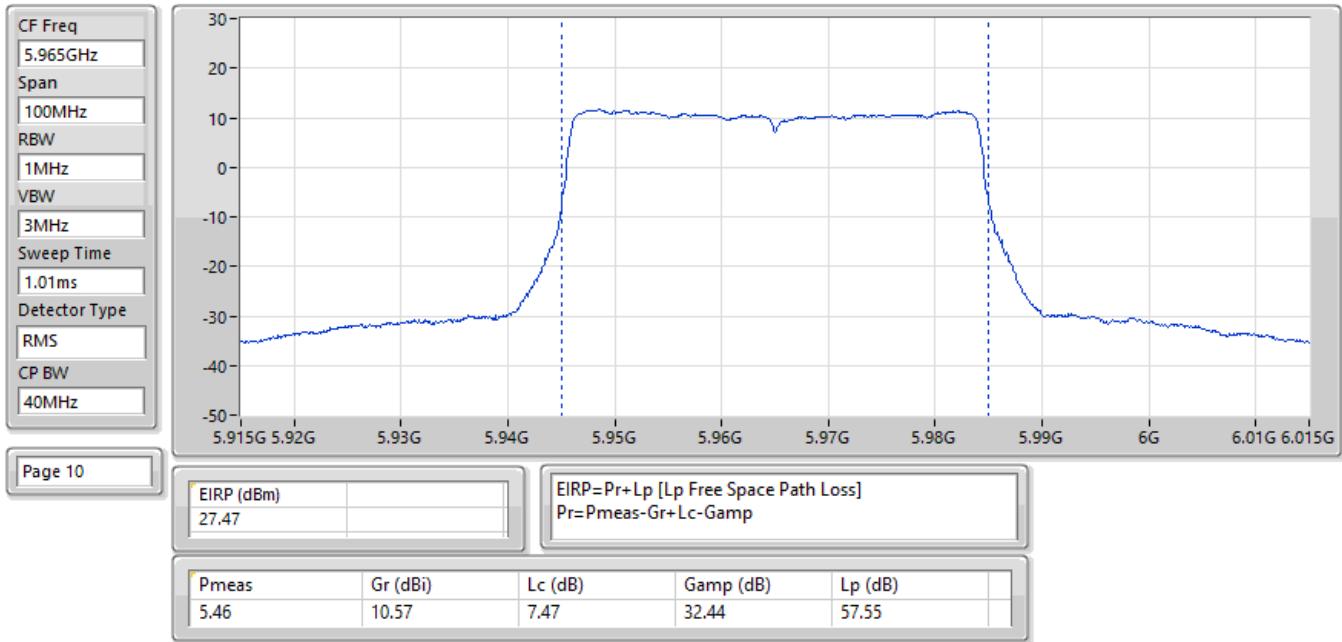
12/02/2025

EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:8;Ch:6415MHz;TX



14/02/2025

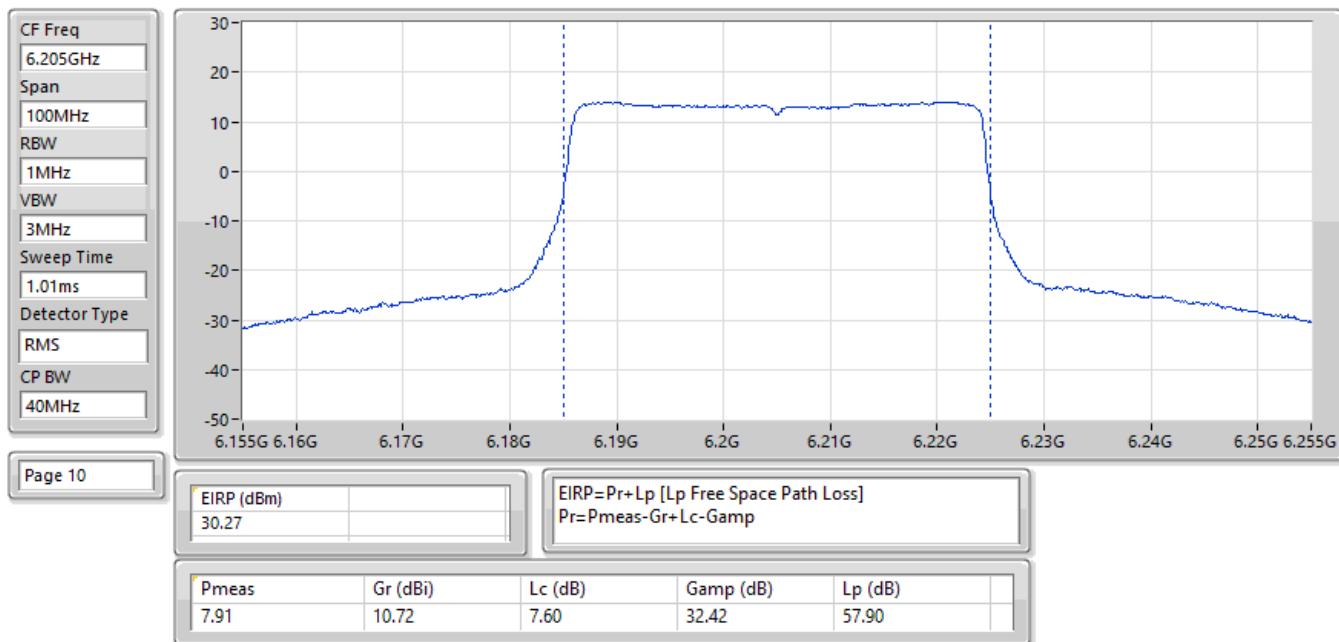
EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:8;Ch:5965MHz;TX





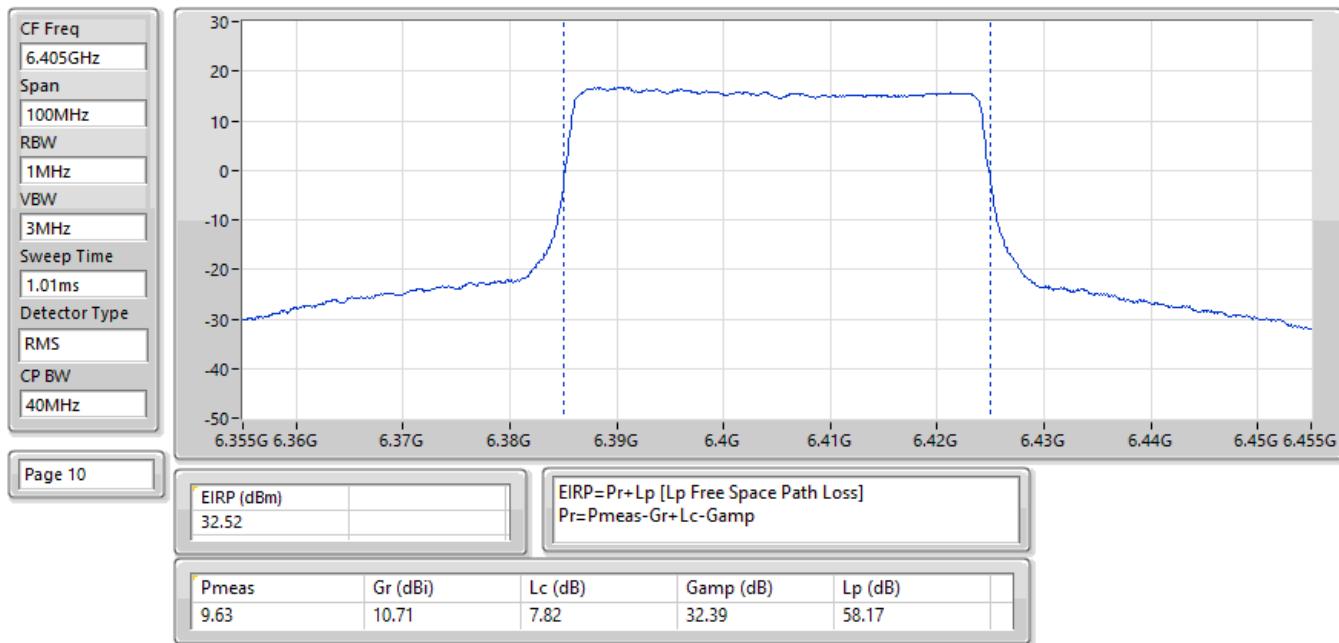
18/02/2025

EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:8;Ch:6205MHz;TX



12/02/2025

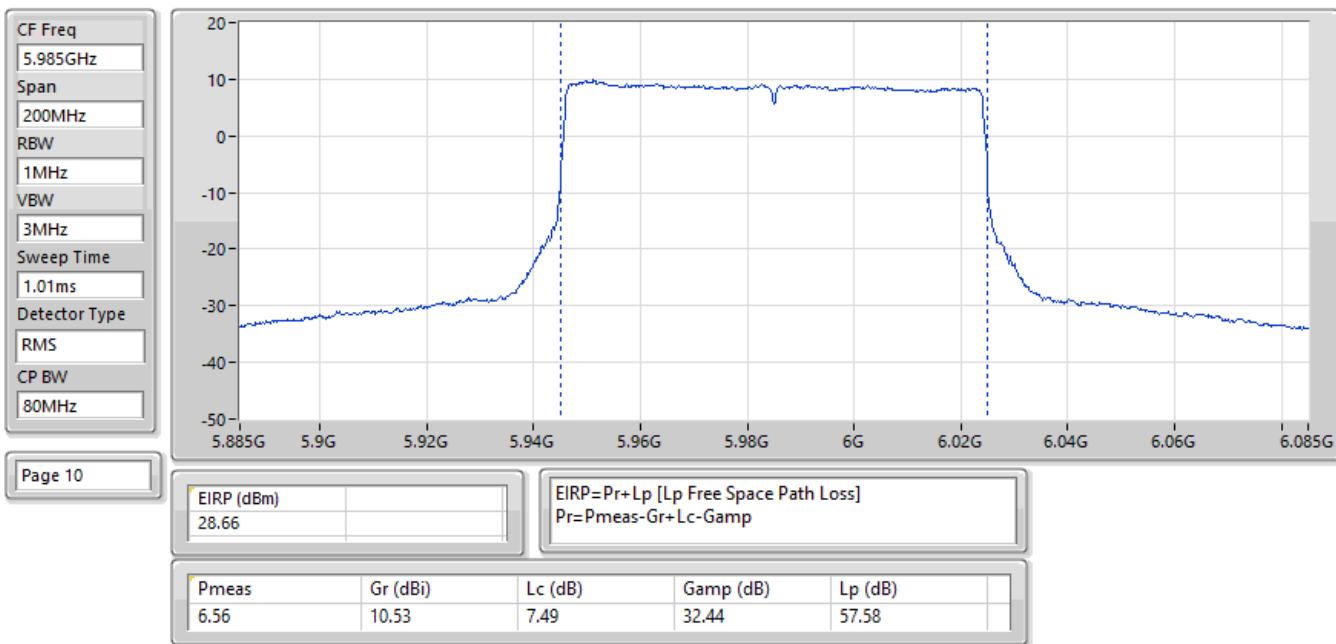
EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:8;Ch:6405MHz;TX





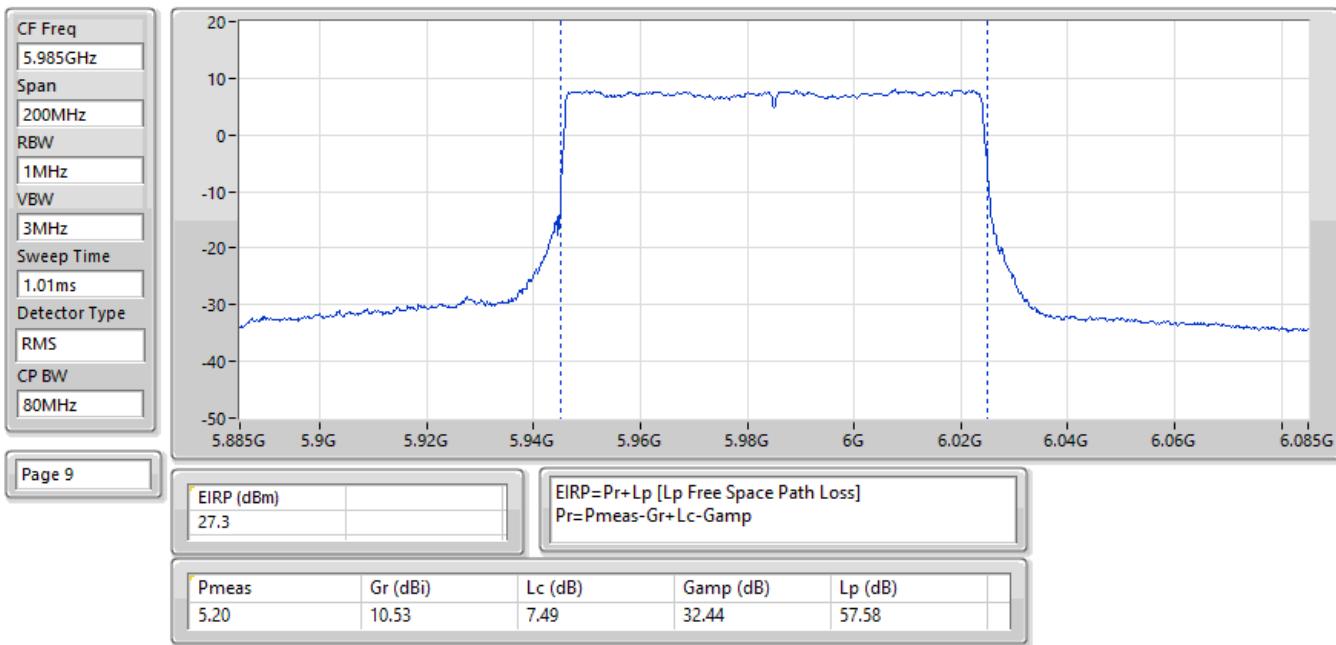
18/02/2025

EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:8;Ch:5985MHz;TX



12/02/2025

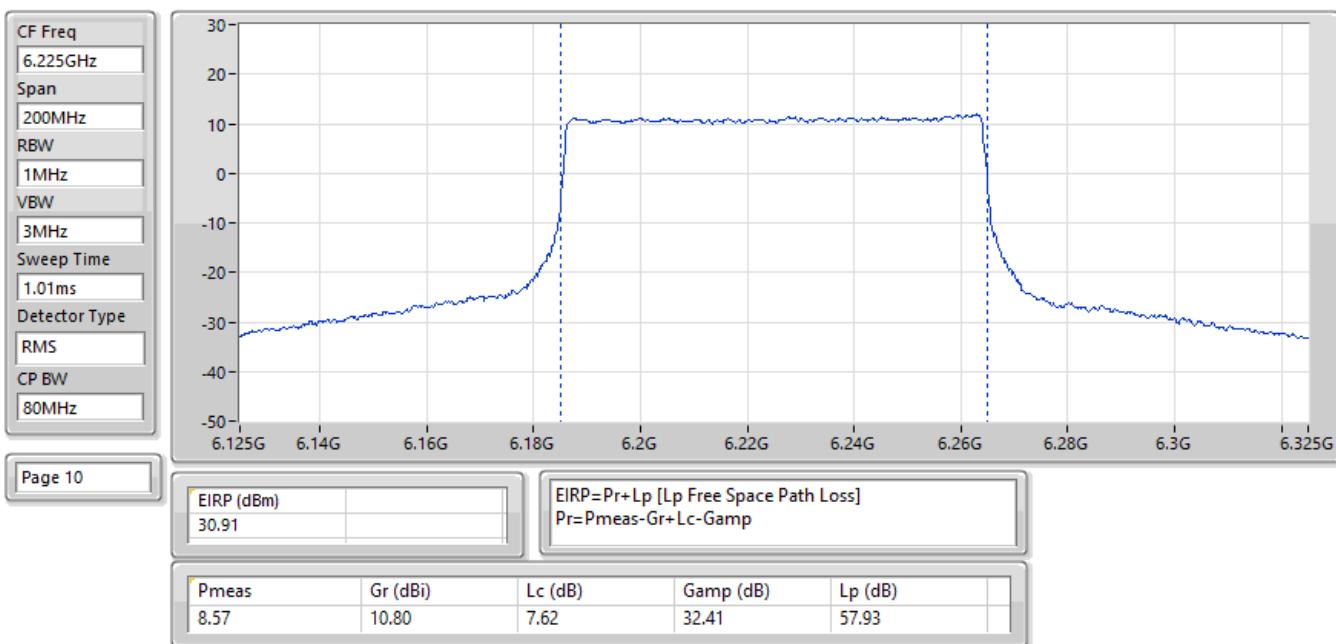
EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:8;Ch:5985MHz;TX





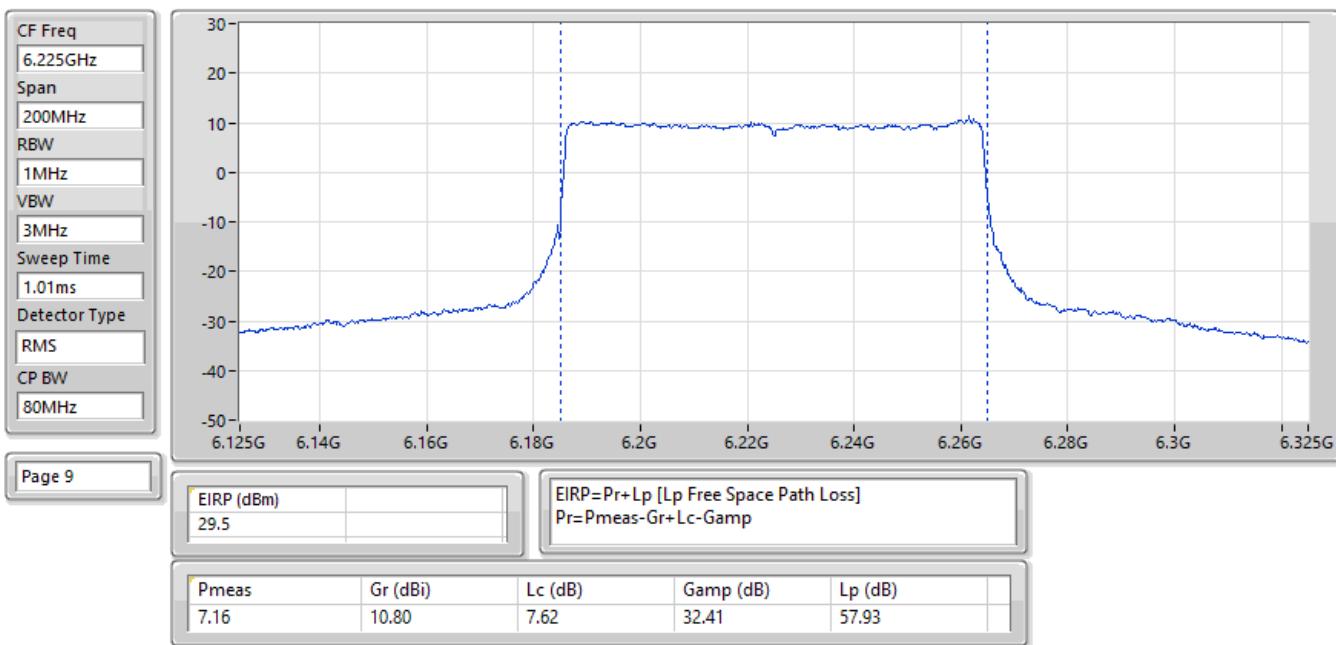
18/02/2025

EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:8;Ch:6225MHz;TX



12/02/2025

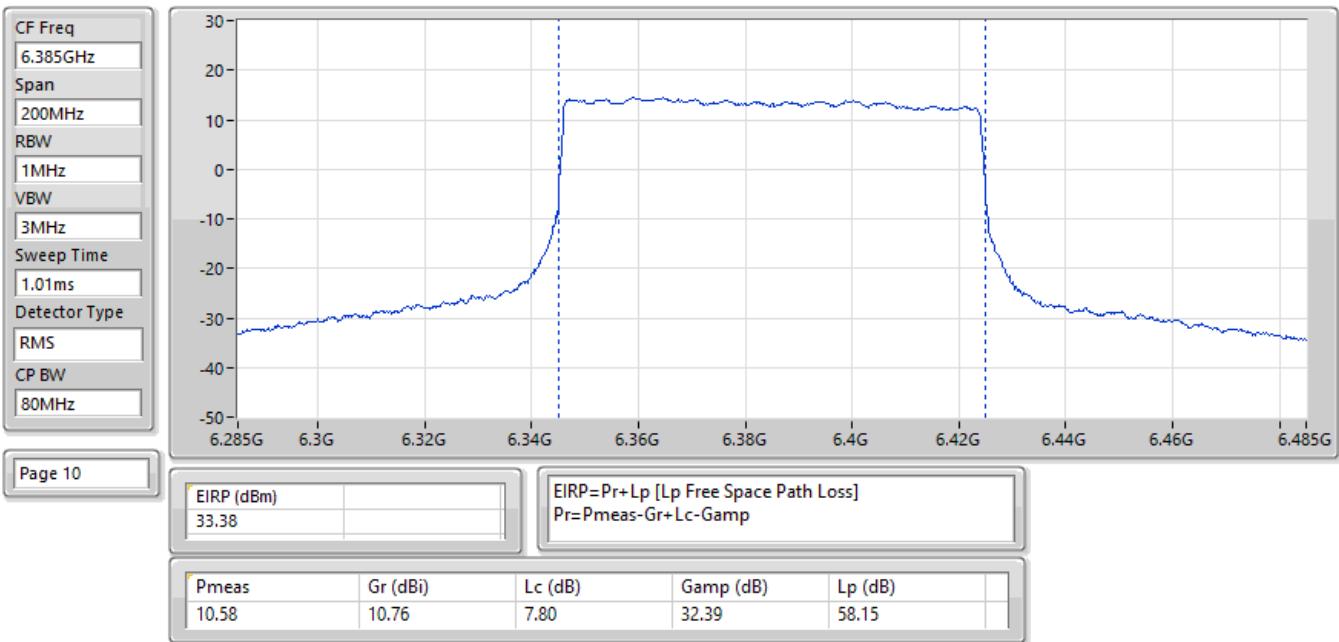
EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:8;Ch:6225MHz;TX





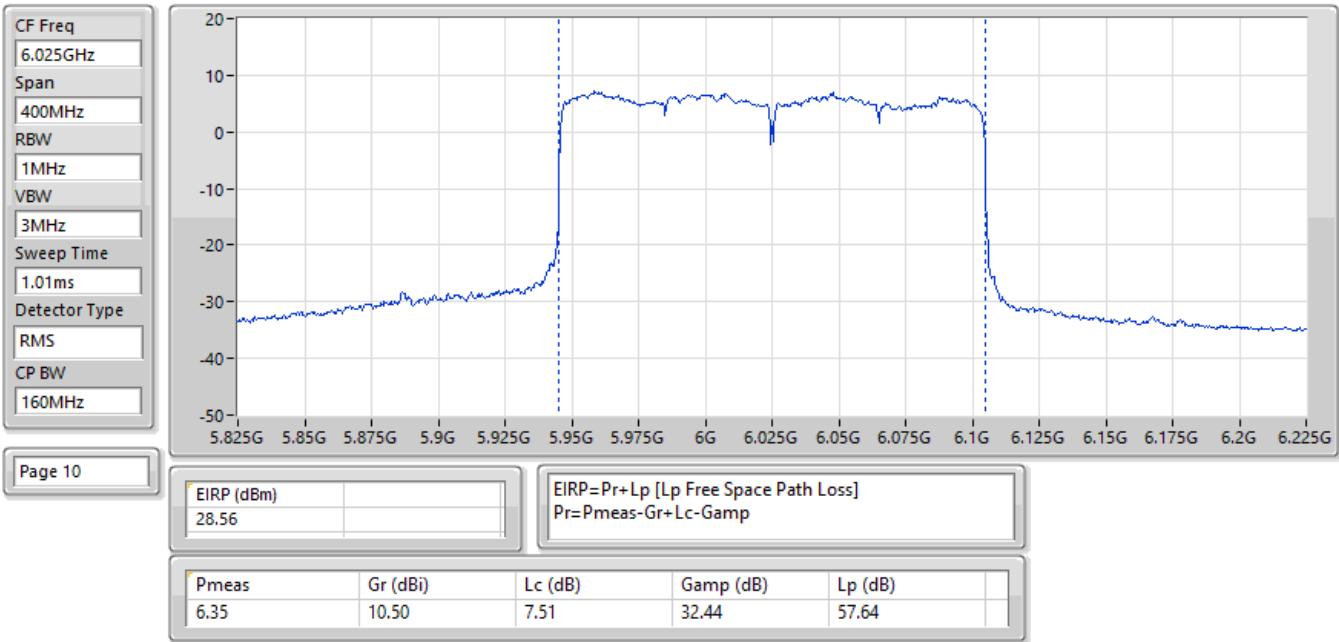
12/02/2025

EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:8;Ch:6385MHz;TX



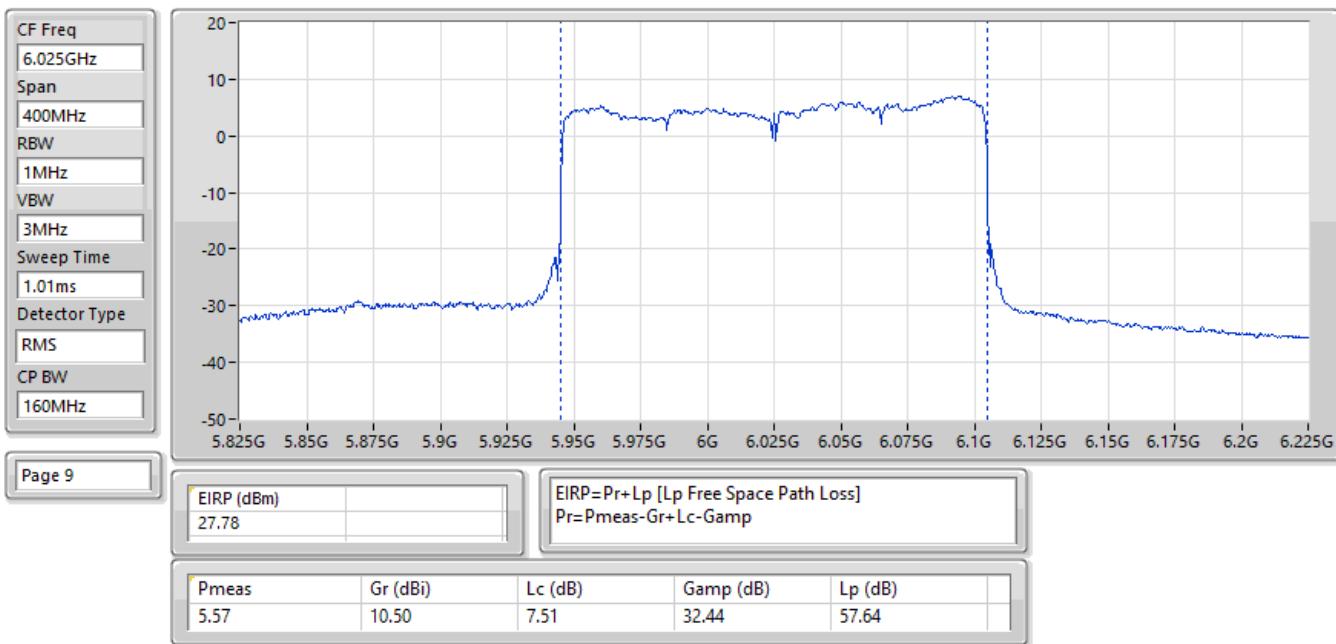
18/02/2025

EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:8;Ch:6025MHz;TX

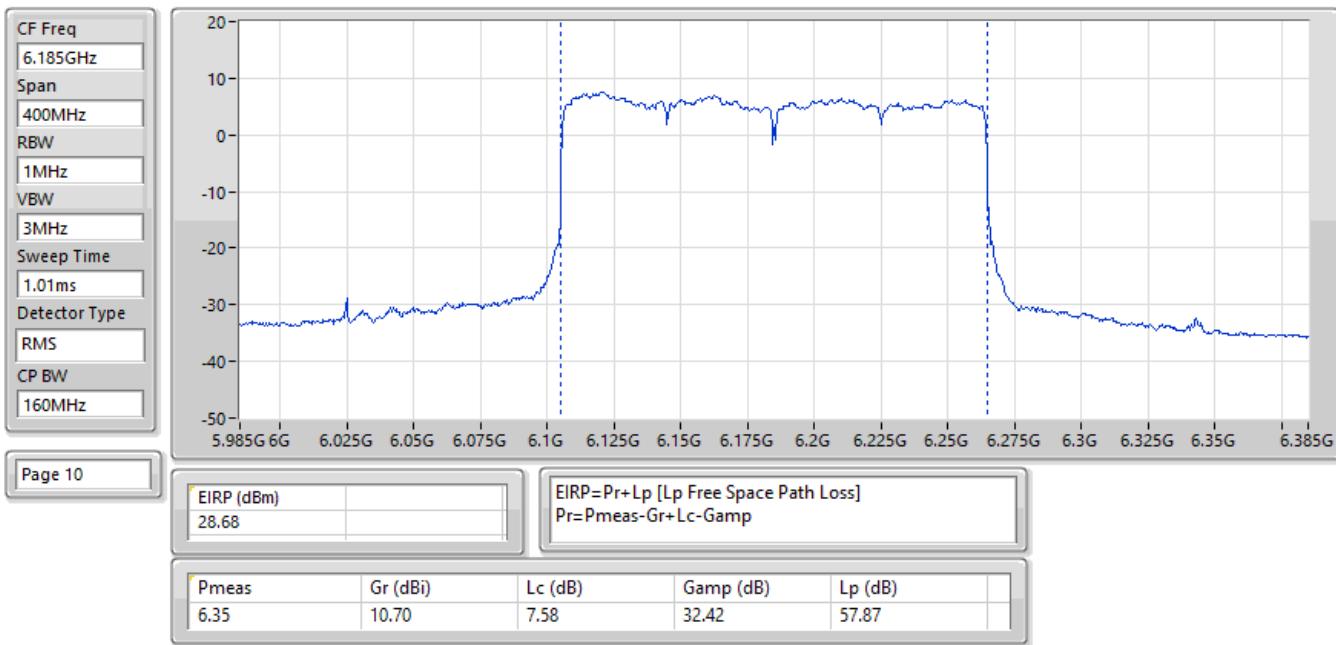




12/02/2025

EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:8;Ch:6025MHz;TX

18/02/2025

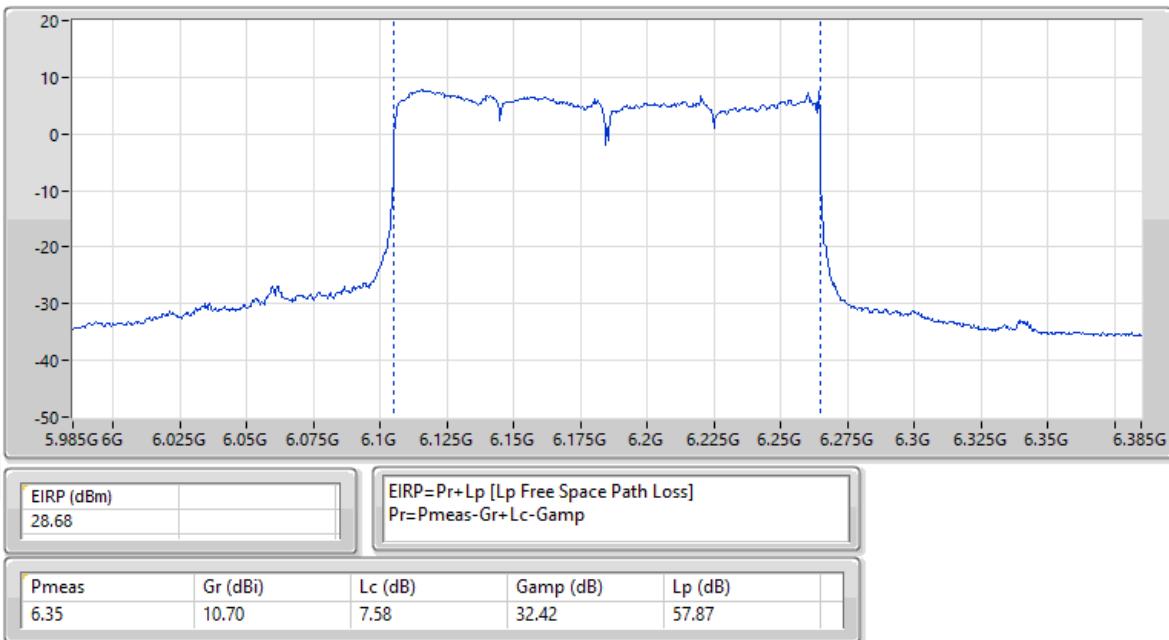
EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:8;Ch:6185MHz;TX



12/02/2025

EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:8;Ch:6185MHz;TX

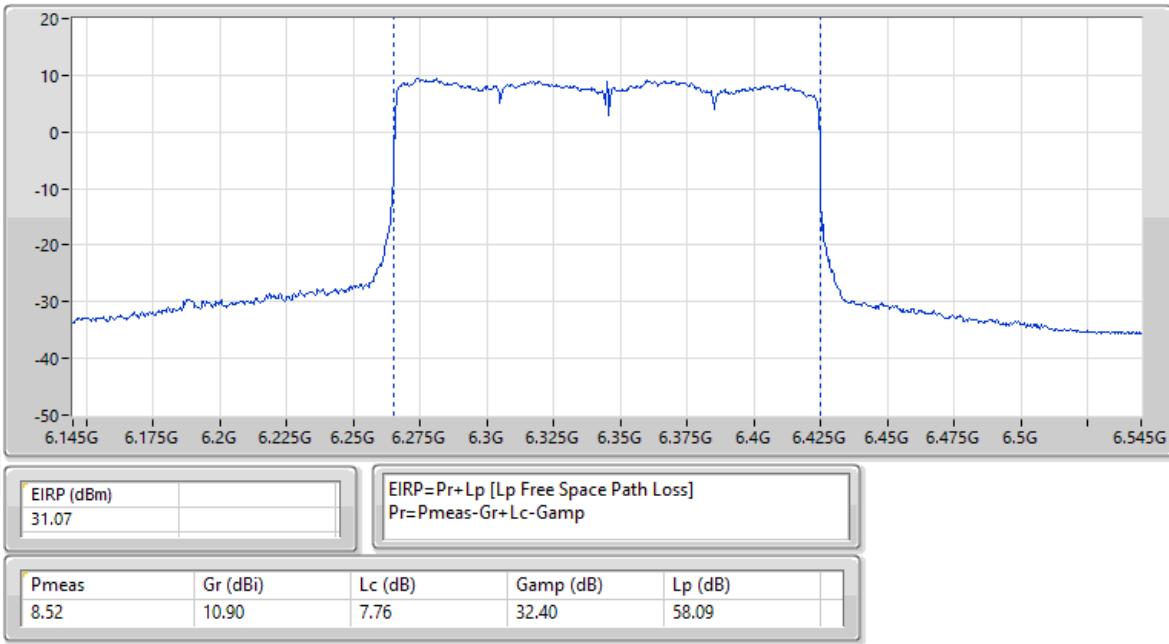
CF Freq	6.185GHz
Span	400MHz
RBW	1MHz
VBW	3MHz
Sweep Time	1.01ms
Detector Type	RMS
CP BW	160MHz

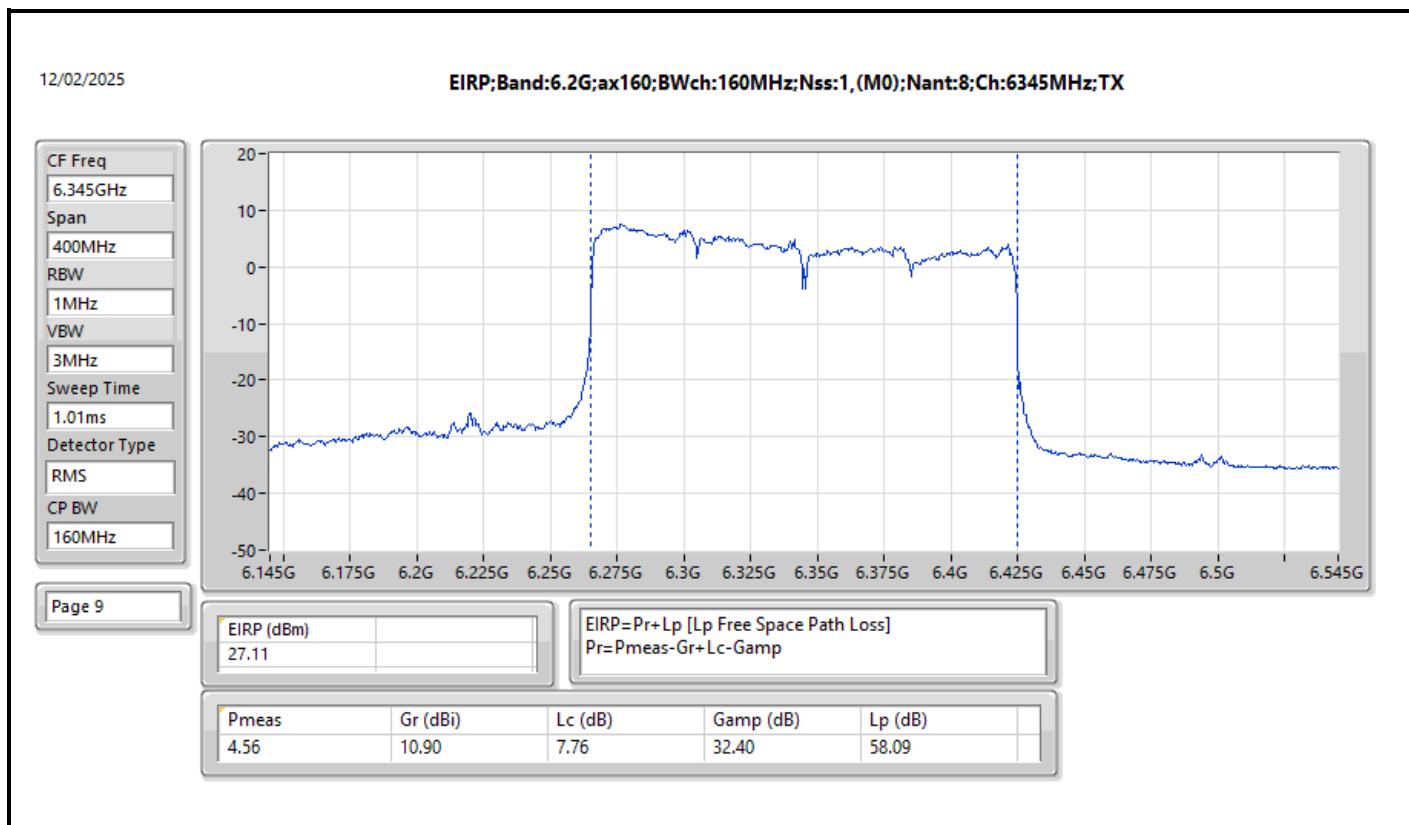


18/02/2025

EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:8;Ch:6345MHz;TX

CF Freq	6.345GHz
Span	400MHz
RBW	1MHz
VBW	3MHz
Sweep Time	1.01ms
Detector Type	RMS
CP BW	160MHz





**Summary**

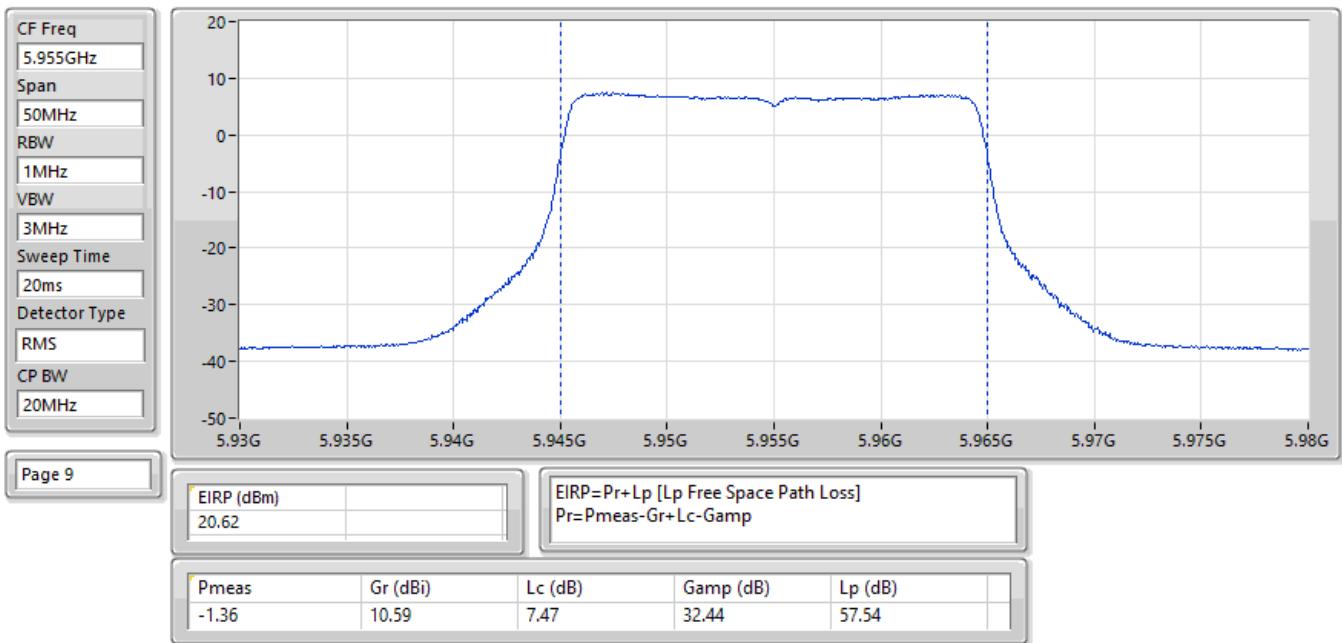
Mode	. EIRP [Phi 30°] (dBm)	. EIRP [Phi 30°] (W)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_8TX	20.62	0.11535
802.11ax HEW40_Nss1,(MCS0)_8TX	20.52	0.11272
802.11ax HEW80_Nss1,(MCS0)_8TX	20.61	0.11508
802.11ax HEW160_Nss1,(MCS0)_8TX	20.77	0.11940

**Result**

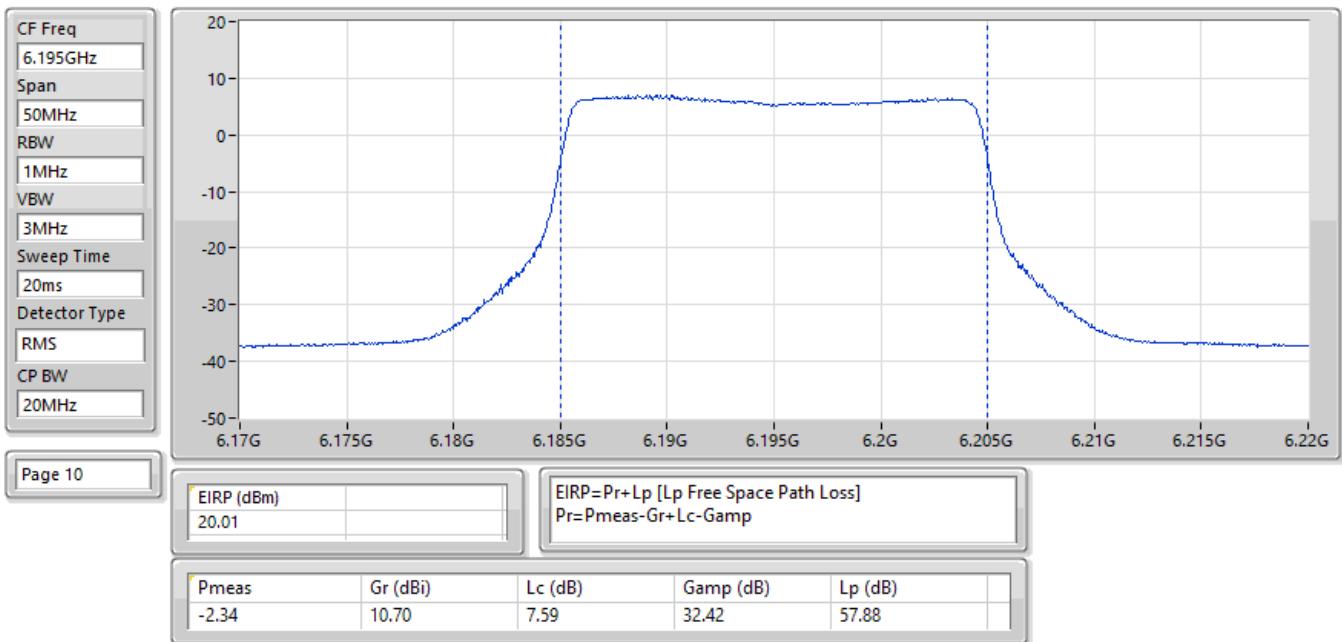
Mode	Result	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_8TX	-	-	-
5955MHz	Pass	20.62	21.00
6195MHz	Pass	20.01	21.00
6415MHz	Pass	20.00	21.00
802.11ax HEW40_Nss1,(MCS0)_8TX	-	-	-
5965MHz	Pass	20.26	21.00
6205MHz	Pass	20.52	21.00
6405MHz	Pass	20.32	21.00
802.11ax HEW80_Nss1,(MCS0)_8TX	-	-	-
5985MHz	Pass	20.61	21.00
6225MHz	Pass	20.24	21.00
6385MHz	Pass	20.29	21.00
802.11ax HEW160_Nss1,(MCS0)_8TX	-	-	-
6025MHz	Pass	20.07	21.00
6185MHz	Pass	20.77	21.00
6345MHz	Pass	20.50	21.00

DG = Directional Gain: Port X = Port X output power
Inf = There's no restriction for the limit.

11/02/2025

EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:8;Ch:5955MHz;TX


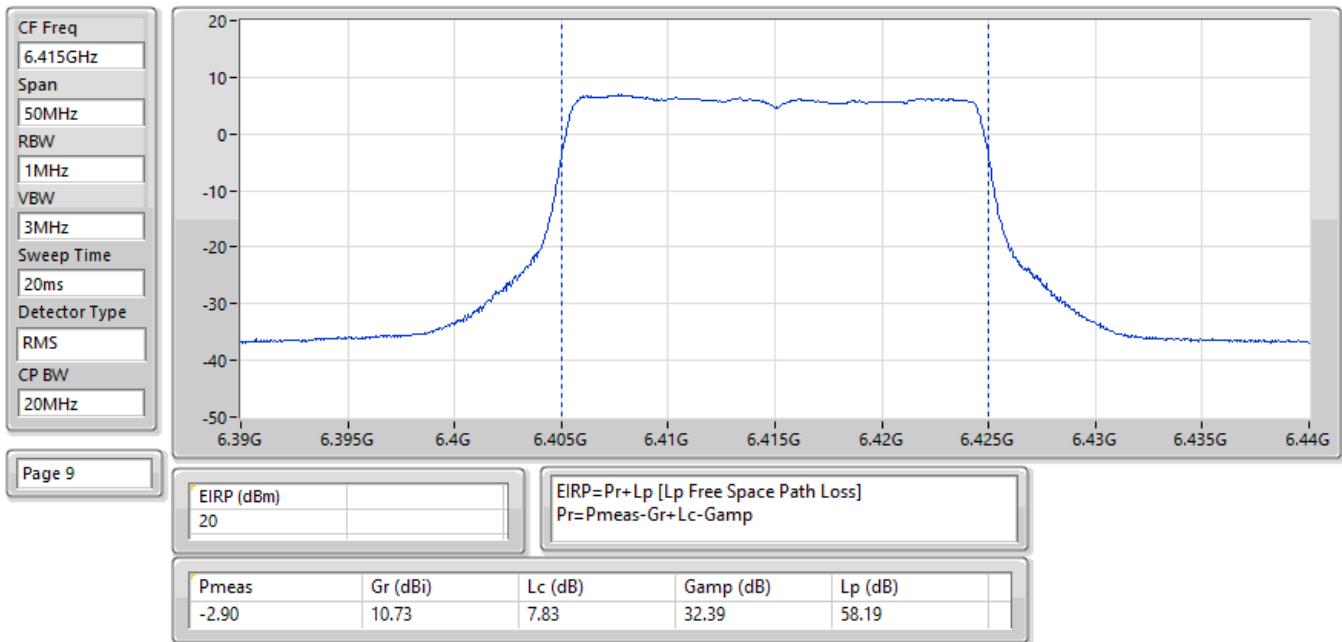
11/02/2025

EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:8;Ch:6195MHz;TX




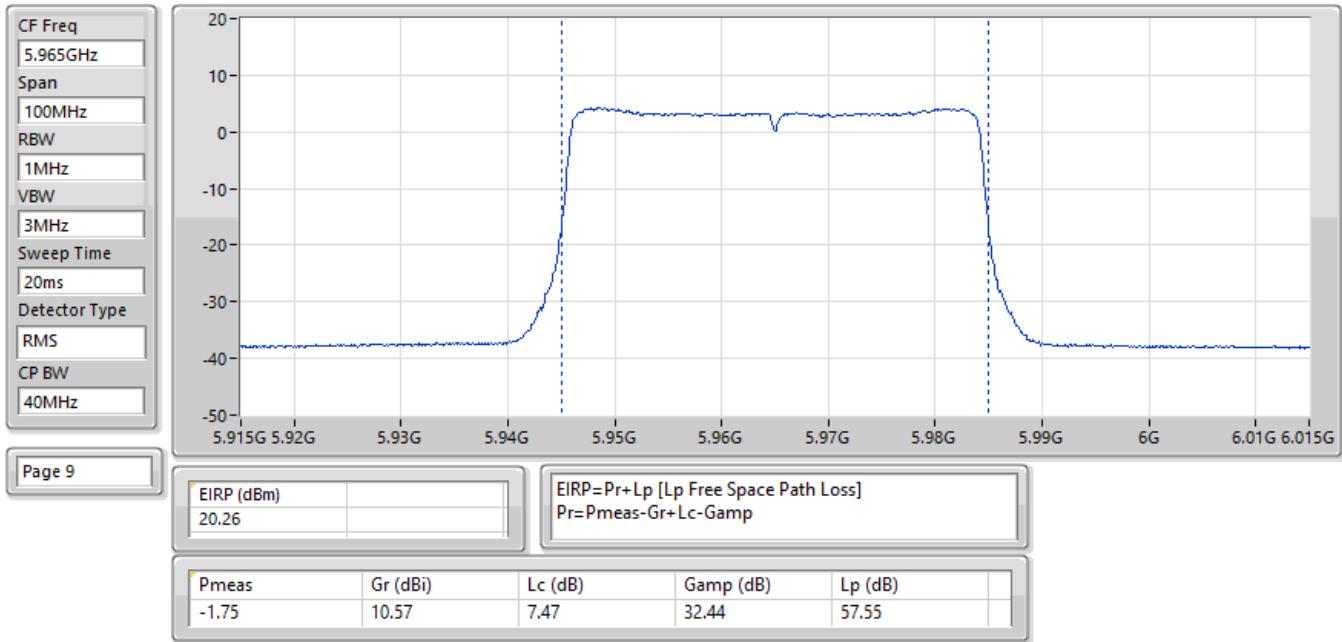
11/02/2025

EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:8;Ch:6415MHz;TX



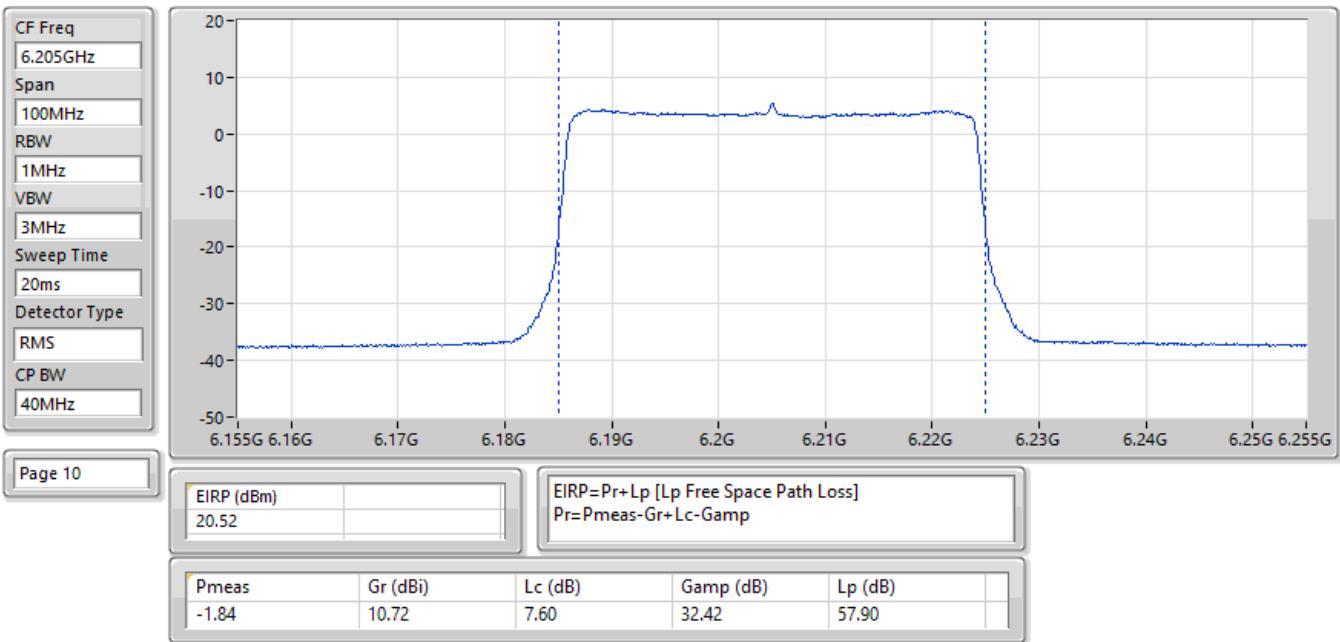
11/02/2025

EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:8;Ch:5965MHz;TX



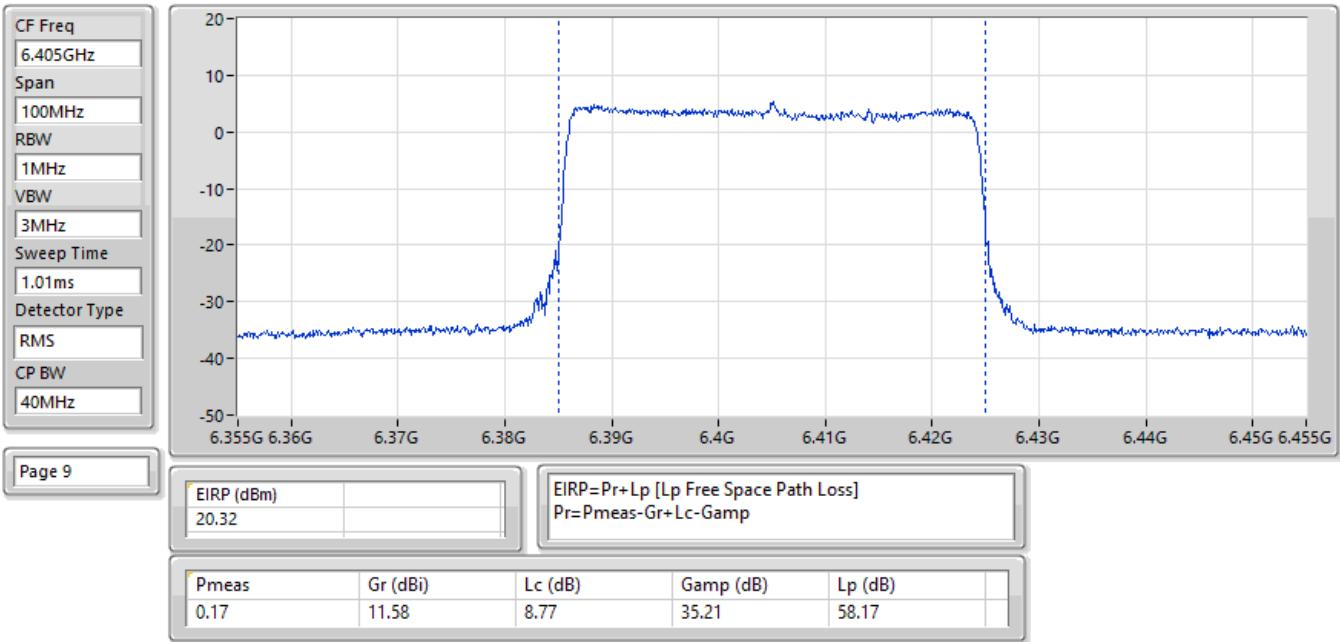
11/02/2025

EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:8;Ch:6205MHz;TX



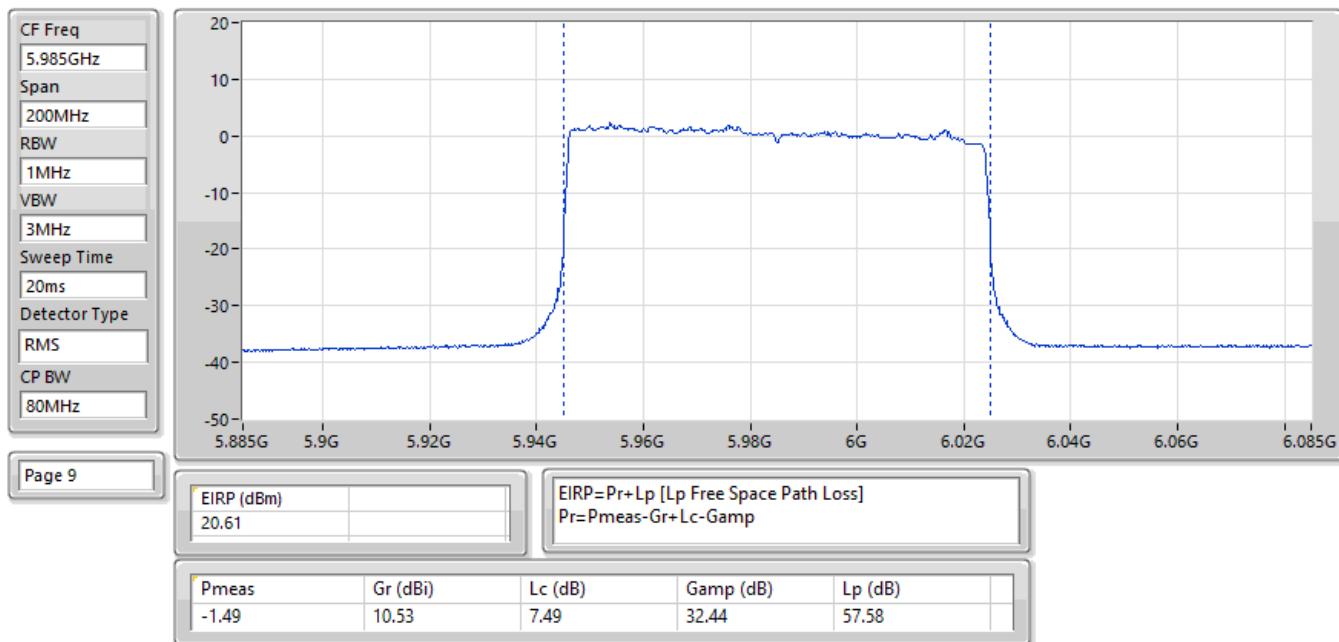
14/02/2025

EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:8;Ch:6405MHz;TX



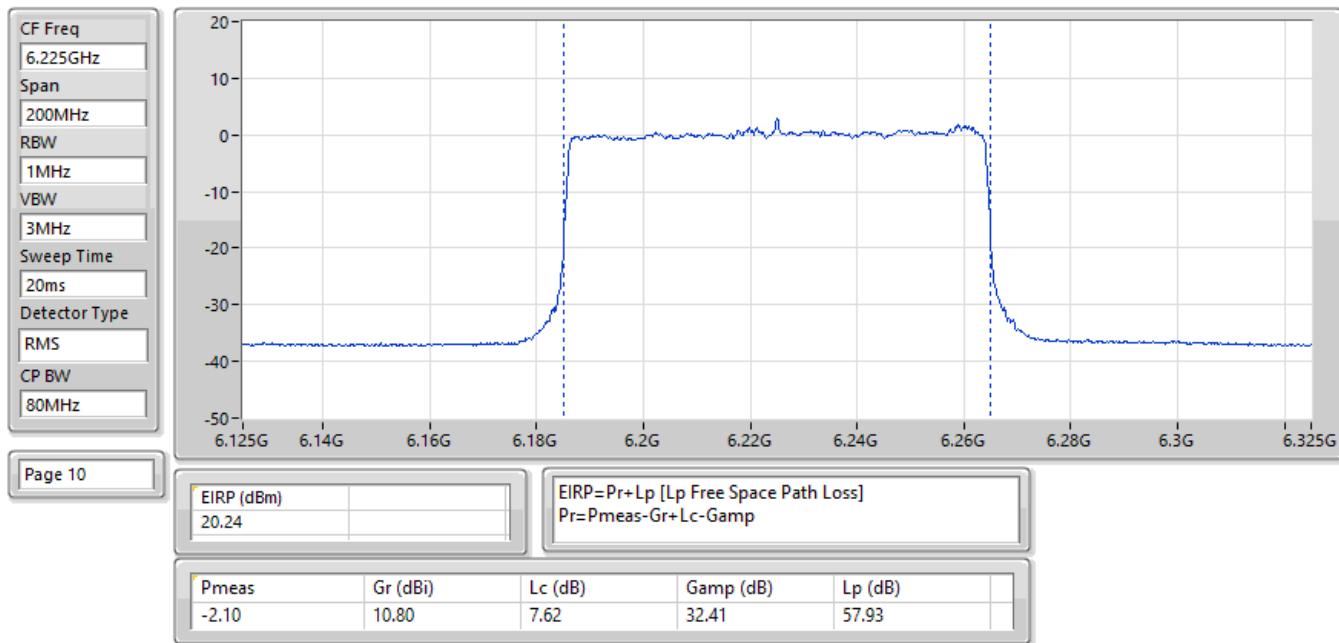
11/02/2025

EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:8;Ch:5985MHz;TX



11/02/2025

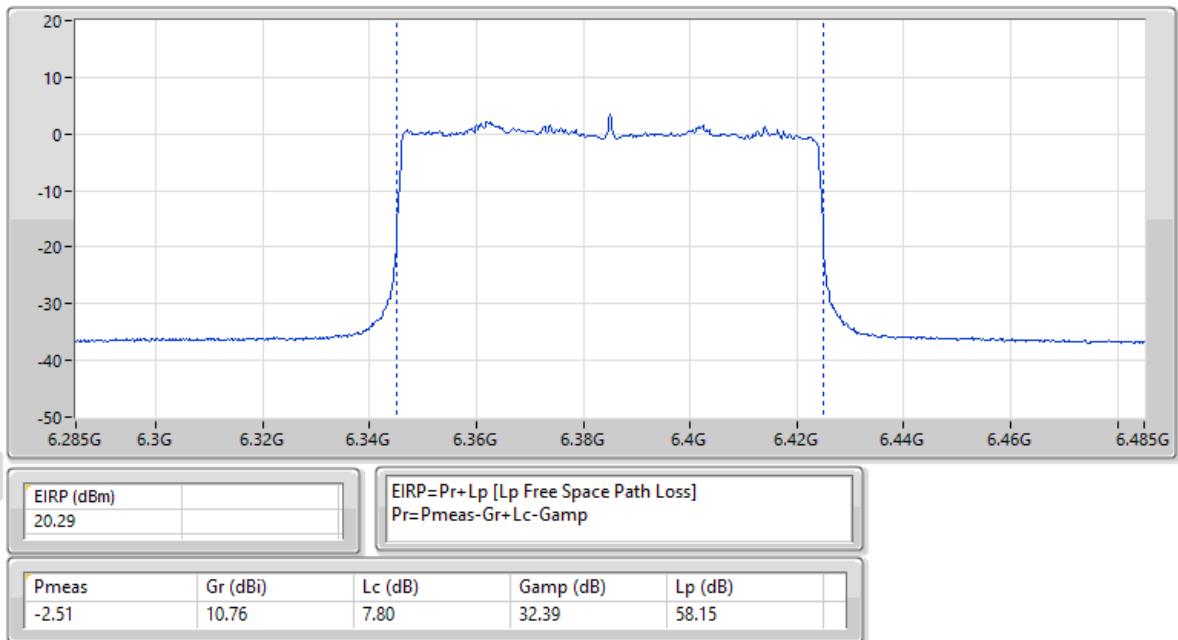
EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:8;Ch:6225MHz;TX



11/02/2025

EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:8;Ch:6385MHz;TX

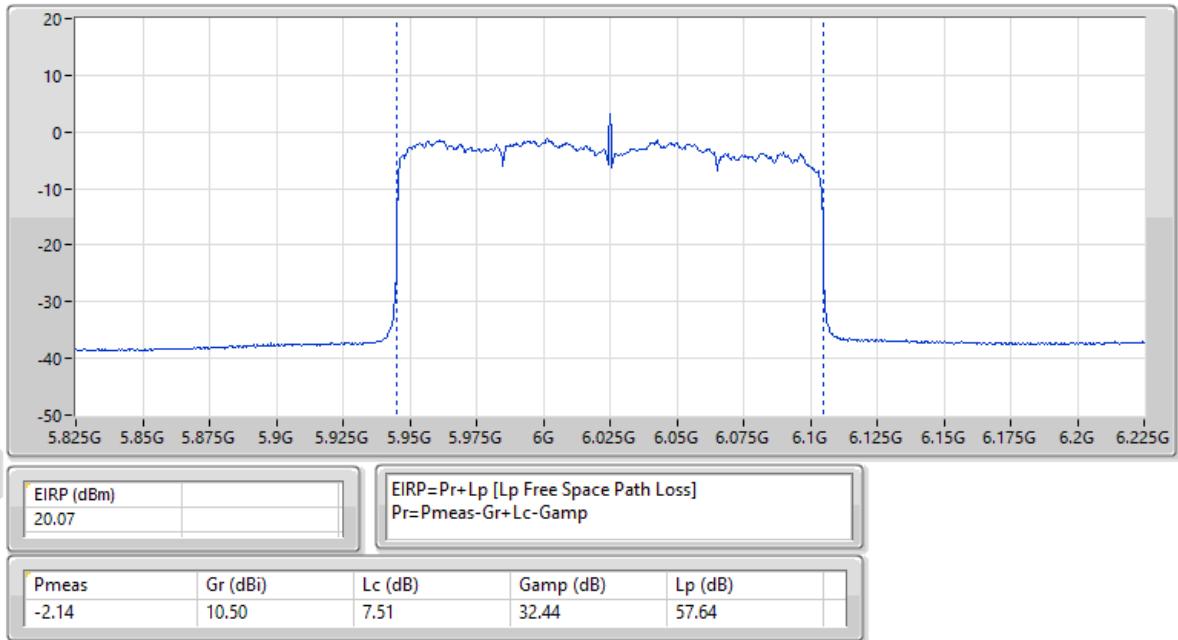
CF Freq	6.385GHz
Span	200MHz
RBW	1MHz
VBW	3MHz
Sweep Time	20ms
Detector Type	RMS
CP BW	80MHz



11/02/2025

EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:8;Ch:6025MHz;TX

CF Freq	6.025GHz
Span	400MHz
RBW	1MHz
VBW	3MHz
Sweep Time	20ms
Detector Type	RMS
CP BW	160MHz

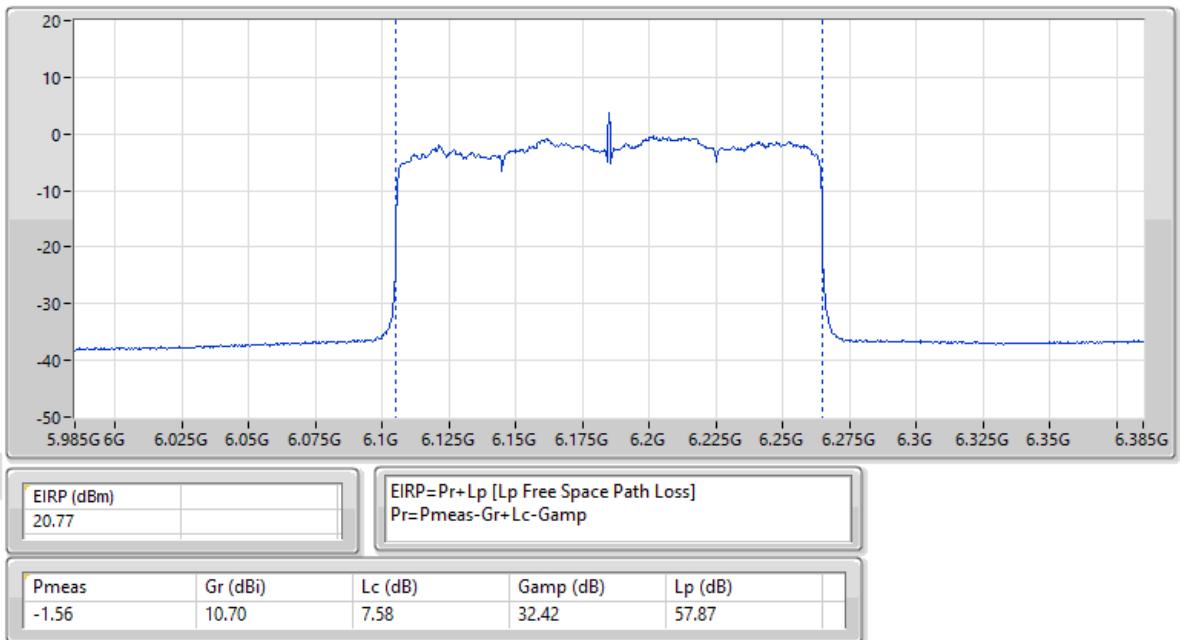


11/02/2025

EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:8;Ch:6185MHz;TX

CF Freq	6.185GHz
Span	400MHz
RBW	1MHz
VBW	3MHz
Sweep Time	20ms
Detector Type	RMS
CP BW	160MHz

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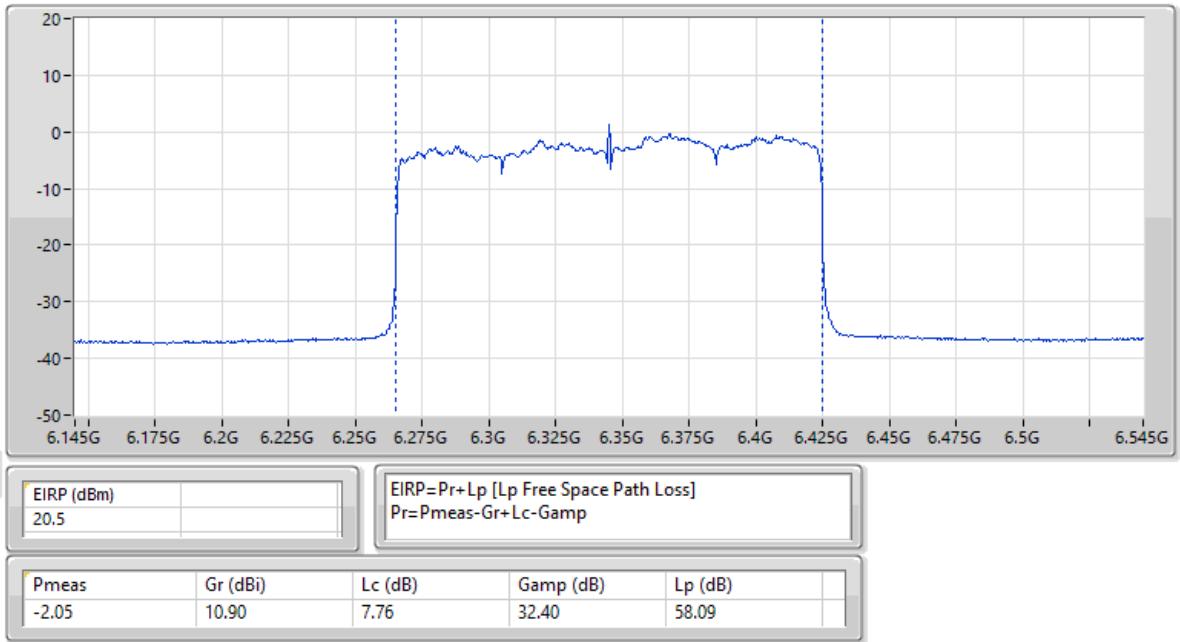


11/02/2025

EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:8;Ch:6345MHz;TX

CF Freq	6.345GHz
Span	400MHz
RBW	1MHz
VBW	3MHz
Sweep Time	1.01ms
Detector Type	RMS
CP BW	160MHz

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**Summary**

Mode	EIRP PD (dBm/RBW)
5.925-6.425GHz	-
802.11ax HEW20_Nss1,(MCS0)_8TX	19.90
802.11ax HEW40_Nss1,(MCS0)_8TX	18.96
802.11ax HEW80_Nss1,(MCS0)_8TX	16.60
802.11ax HEW160_Nss1,(MCS0)_8TX	16.34

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

**Result**

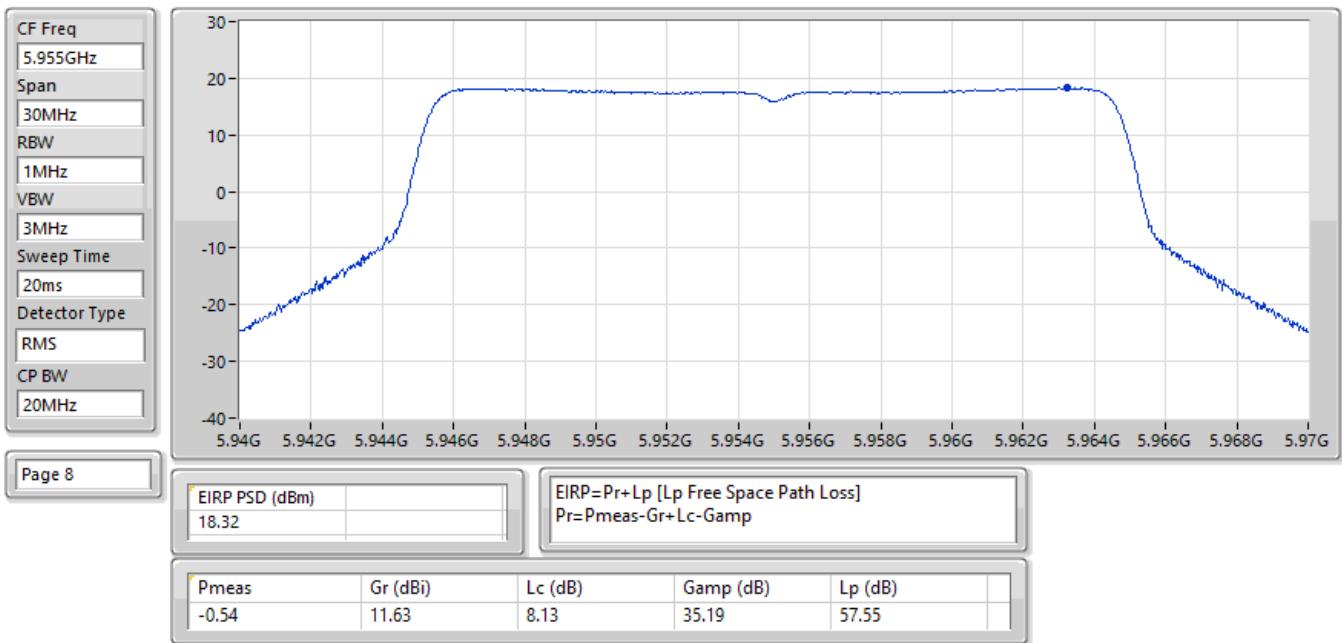
Mode	Result	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ax HEW20_Nss1,(MCS0)_8TX	-	-	-
5955MHz	Pass	18.32	23.00
6195MHz	Pass	18.78	23.00
6415MHz	Pass	19.90	23.00
802.11ax HEW40_Nss1,(MCS0)_8TX	-	-	-
5965MHz	Pass	16.02	23.00
6205MHz	Pass	17.21	23.00
6405MHz	Pass	18.96	23.00
802.11ax HEW80_Nss1,(MCS0)_8TX	-	-	-
5985MHz	Pass	14.75	23.00
6225MHz	Pass	16.20	23.00
6385MHz	Pass	16.60	23.00
802.11ax HEW160_Nss1,(MCS0)_8TX	-	-	-
6025MHz	Pass	14.66	23.00
6185MHz	Pass	15.97	23.00
6345MHz	Pass	16.34	23.00

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

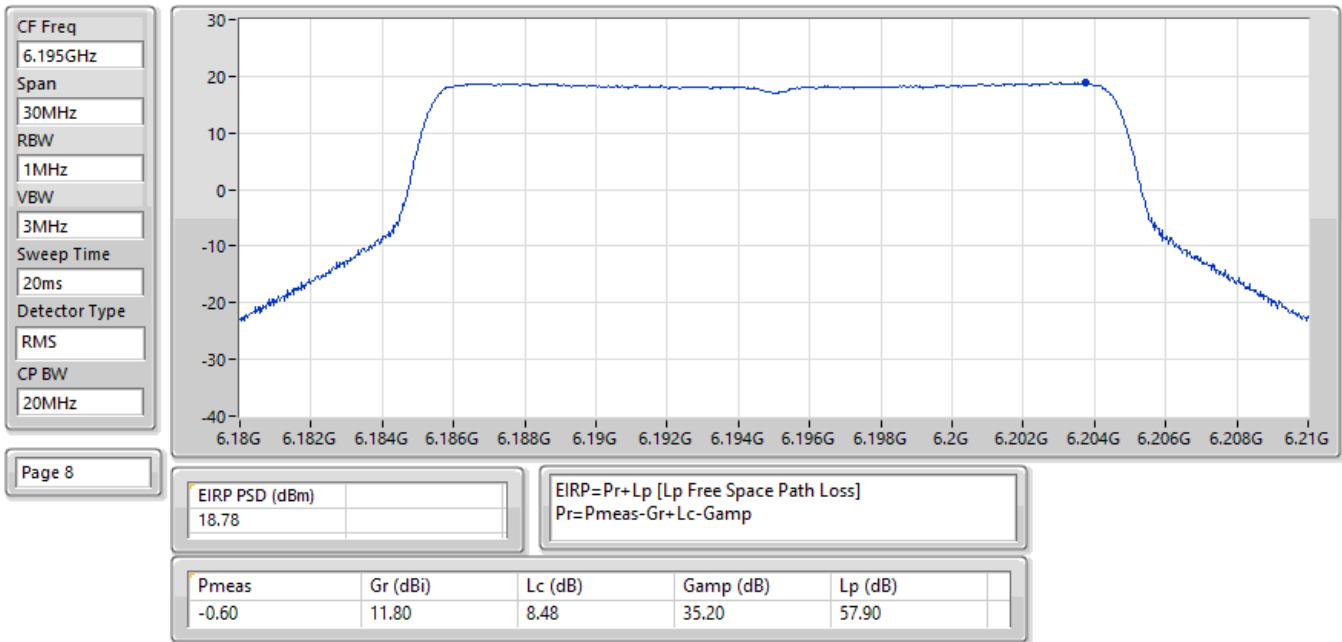
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

Inf = There's no restriction for the limit.

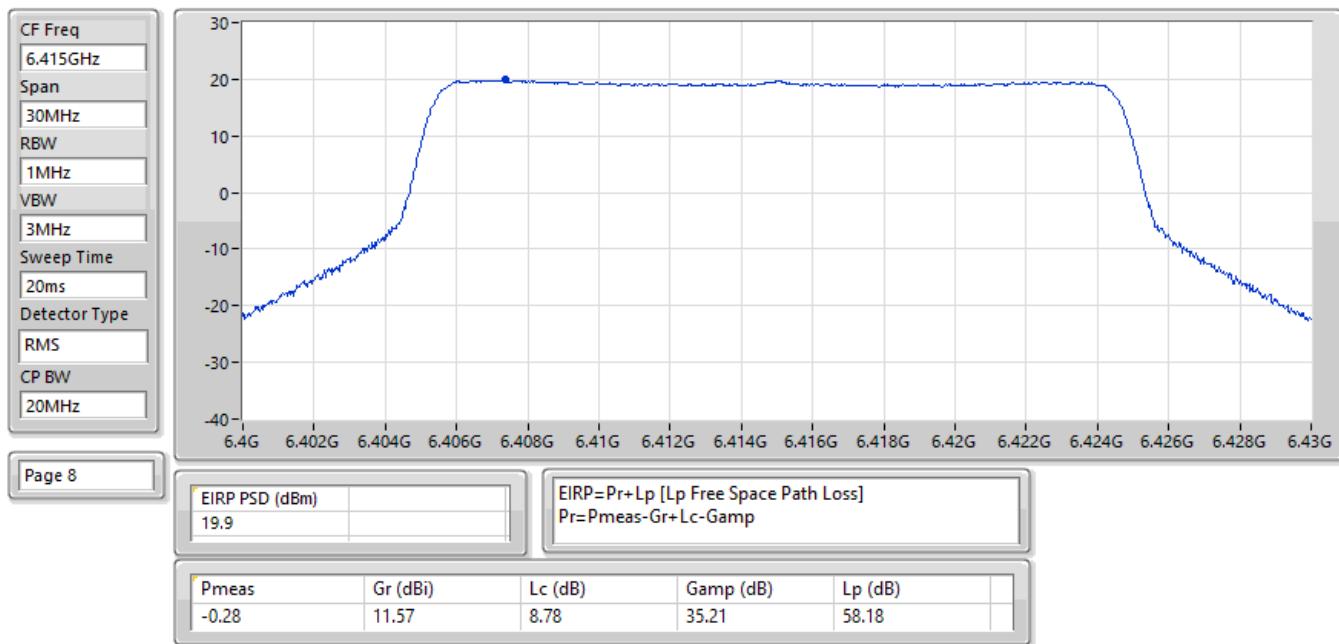
14/02/2025

EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:8;Ch:5955MHz;TX


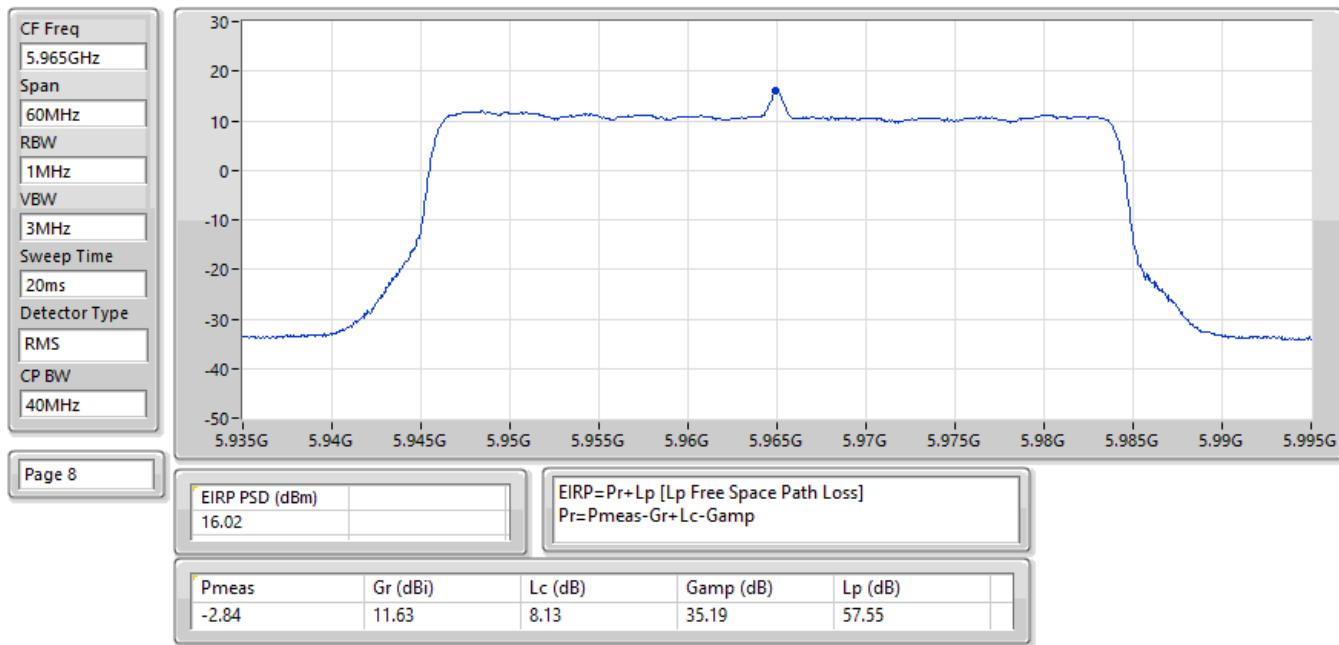
14/02/2025

EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:8;Ch:6195MHz;TX


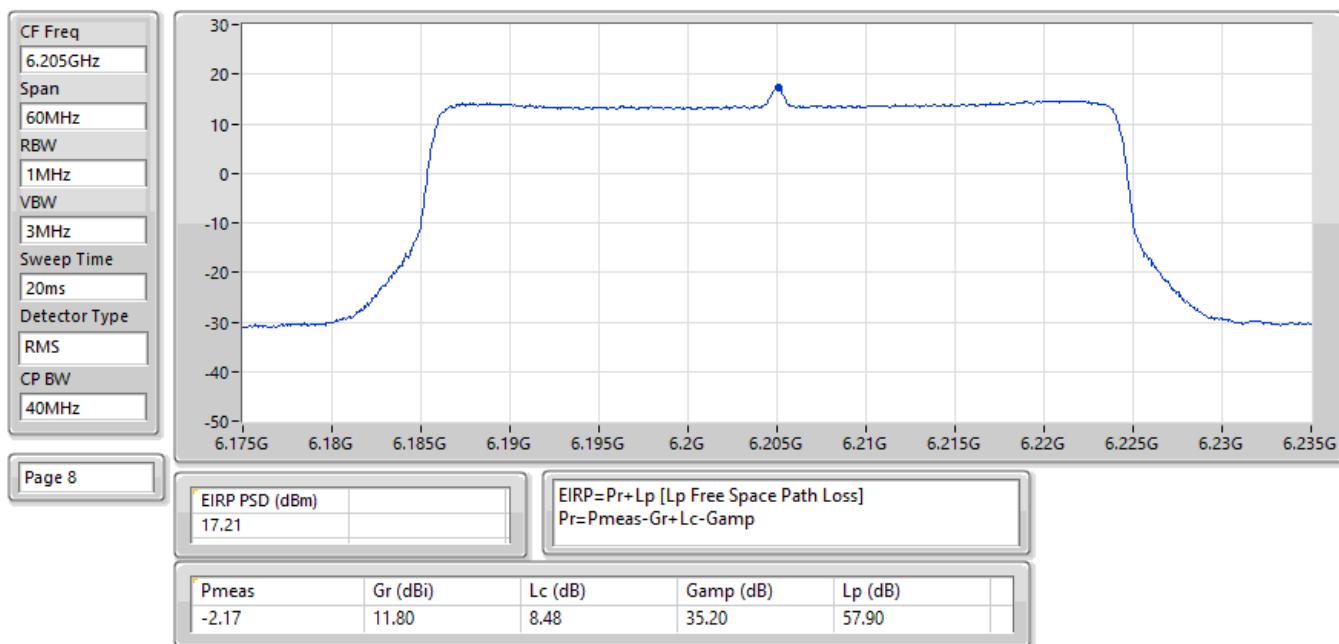
14/02/2025

EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:8;Ch:6415MHz;TX


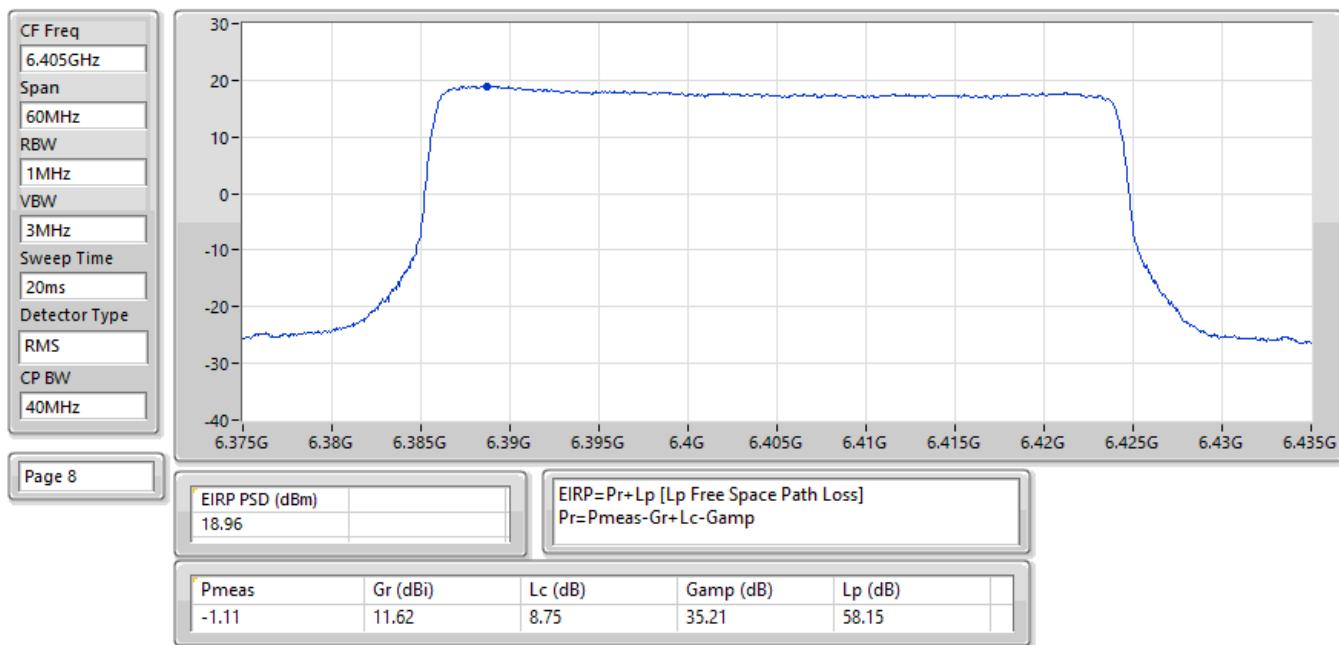
14/02/2025

EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:8;Ch:5965MHz;TX


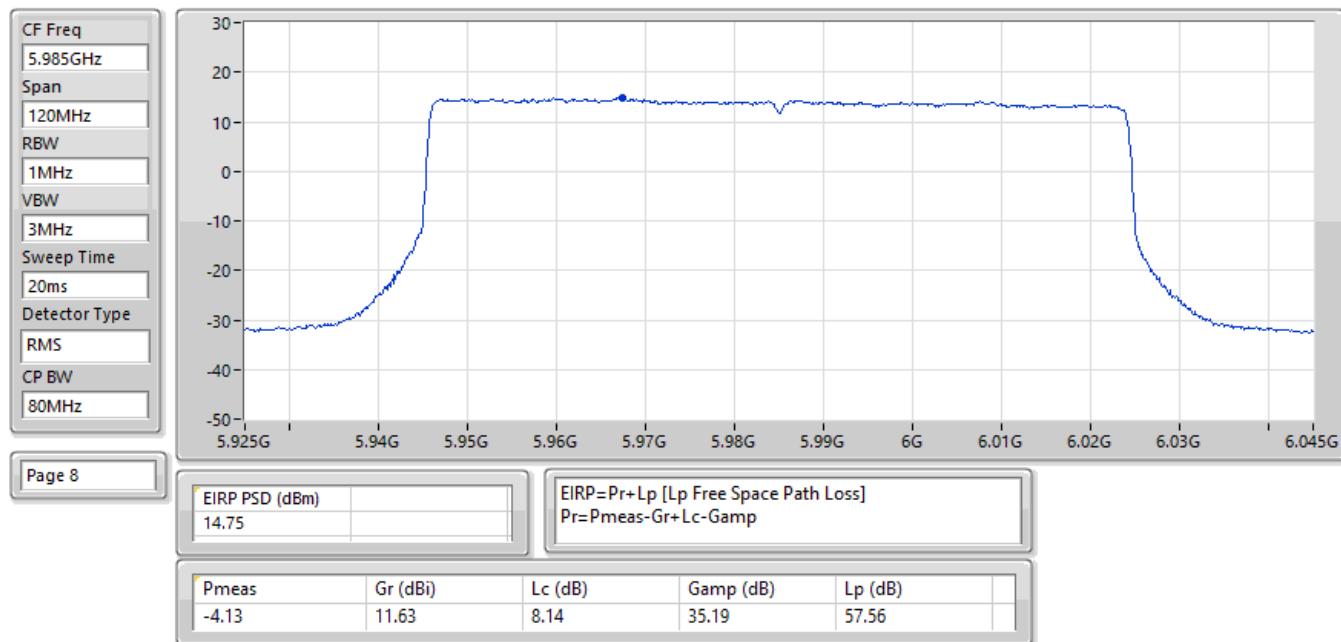
14/02/2025

EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:8;Ch:6205MHz;TX


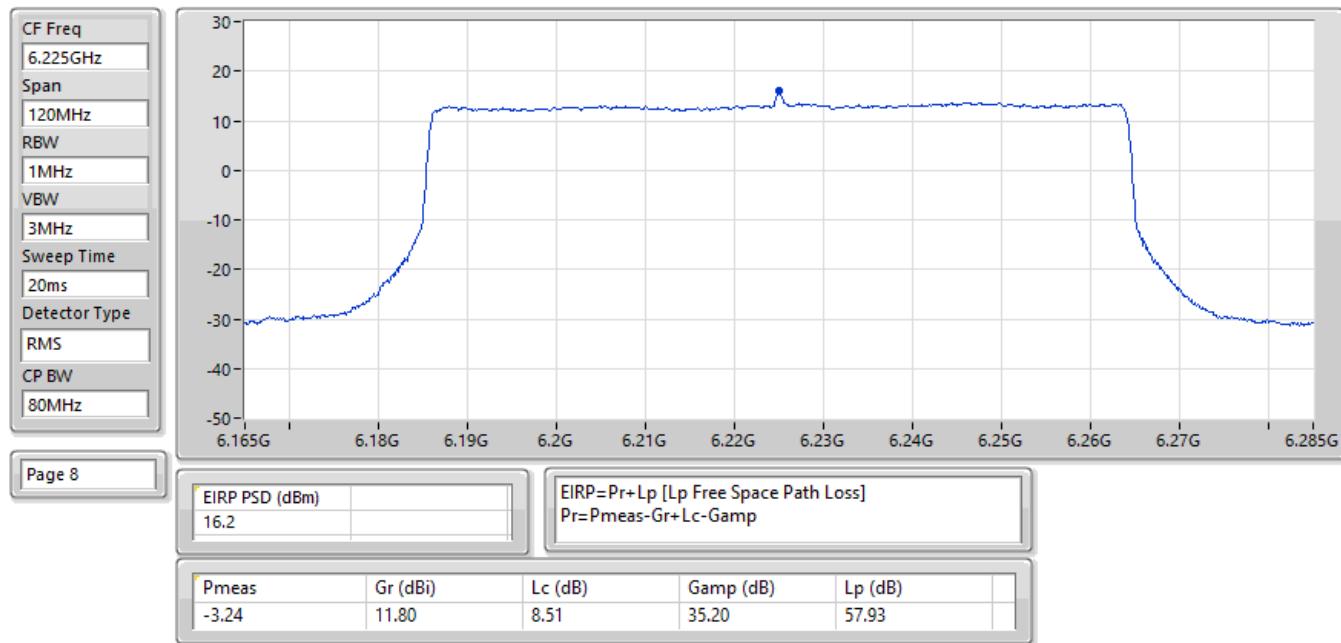
14/02/2025

EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:8;Ch:6405MHz;TX


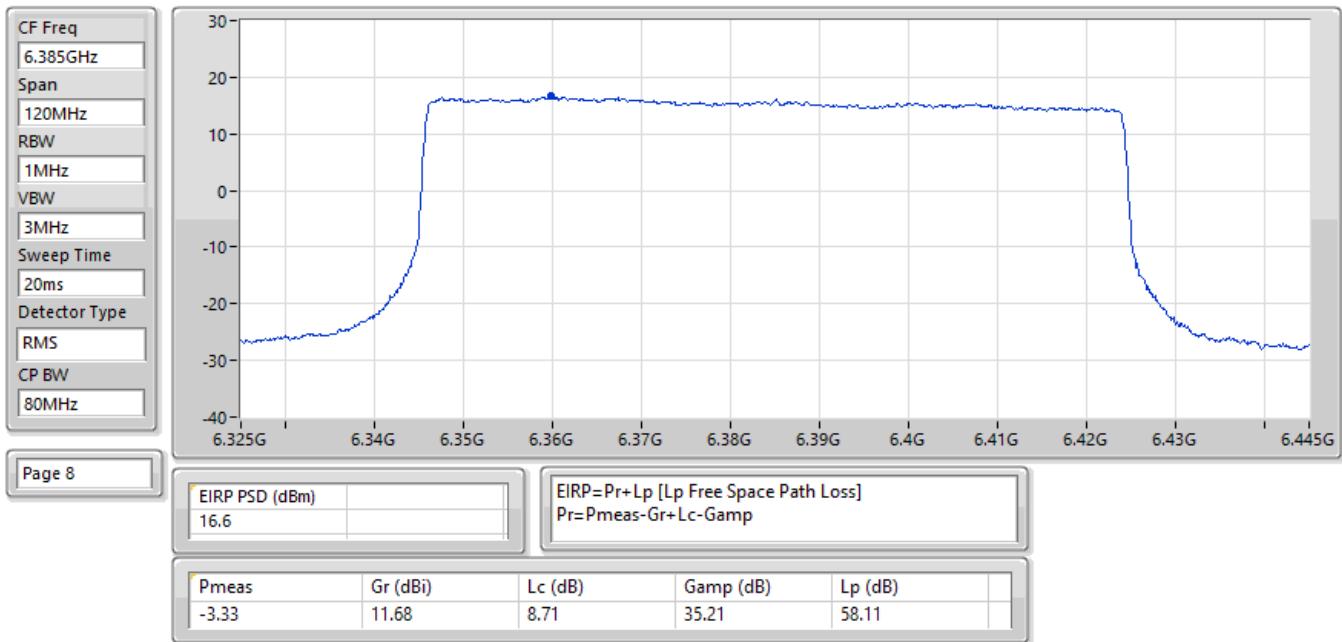
14/02/2025

EIRP PSD;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:8;Ch:5985MHz;TX


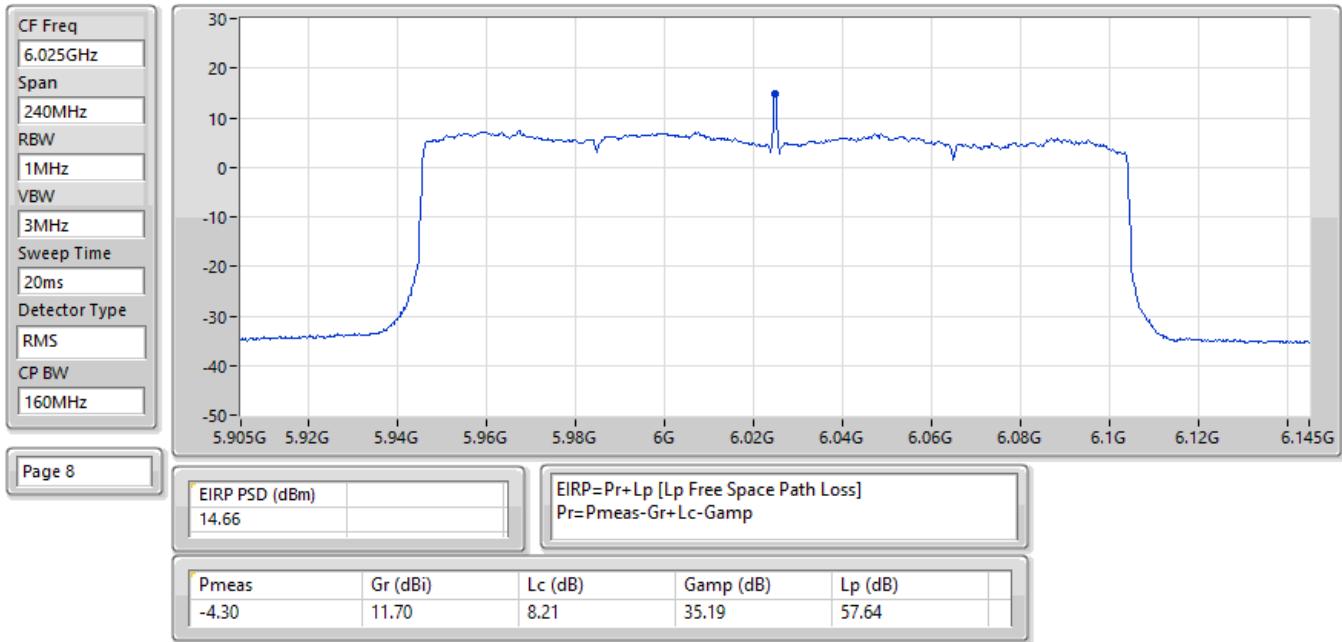
14/02/2025

EIRP PSD;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:8;Ch:6225MHz;TX


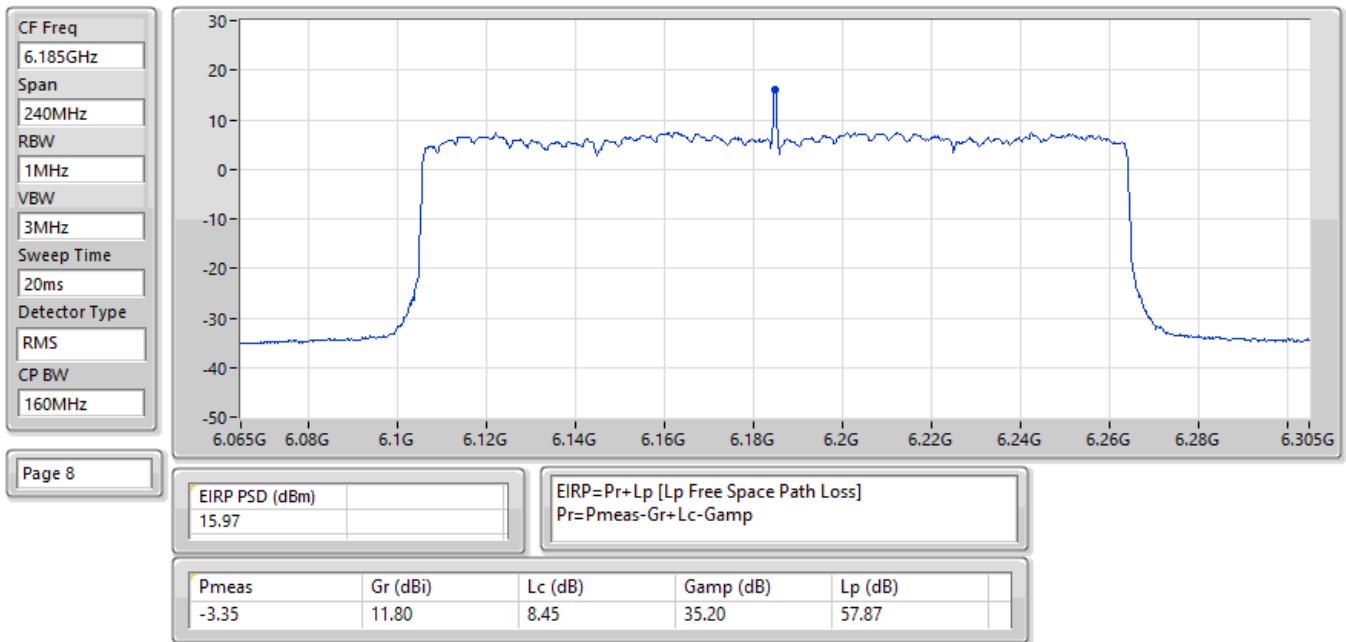
14/02/2025

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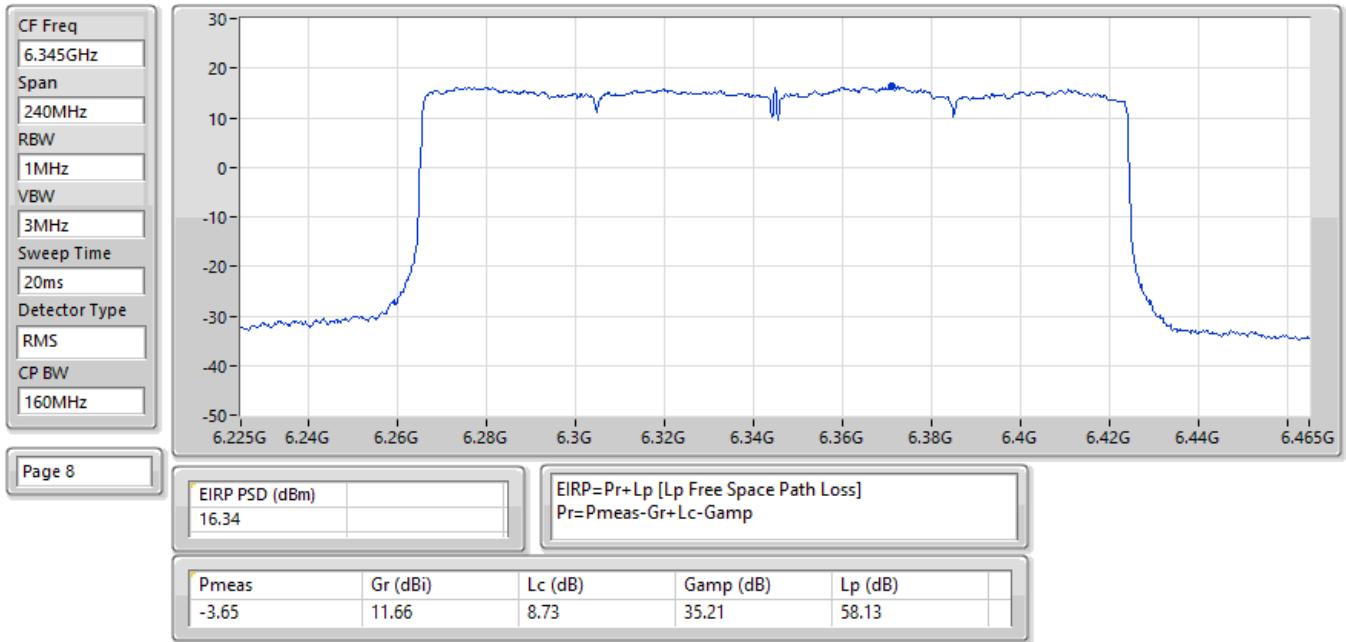
14/02/2025

EIRP PSD;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:8;Ch:6025MHz;TX


14/02/2025

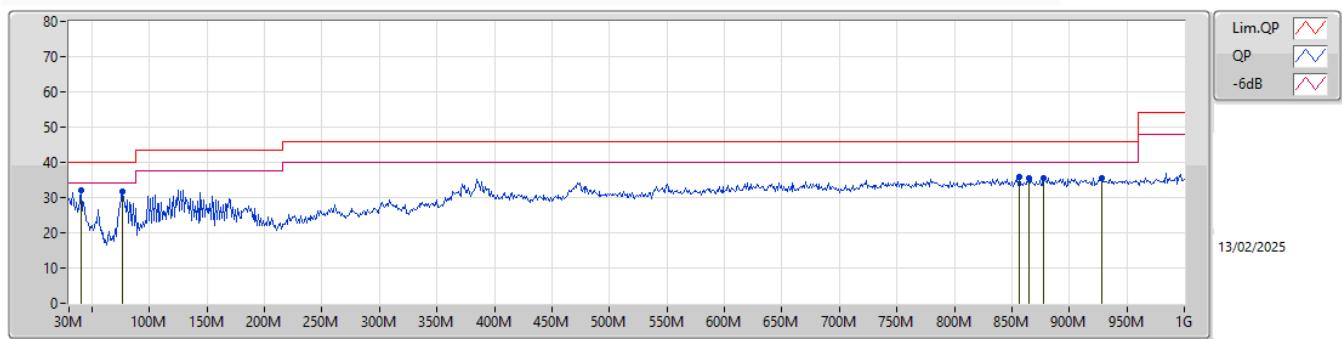
EIRP PSD;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:8;Ch:6185MHz;TX


14/02/2025

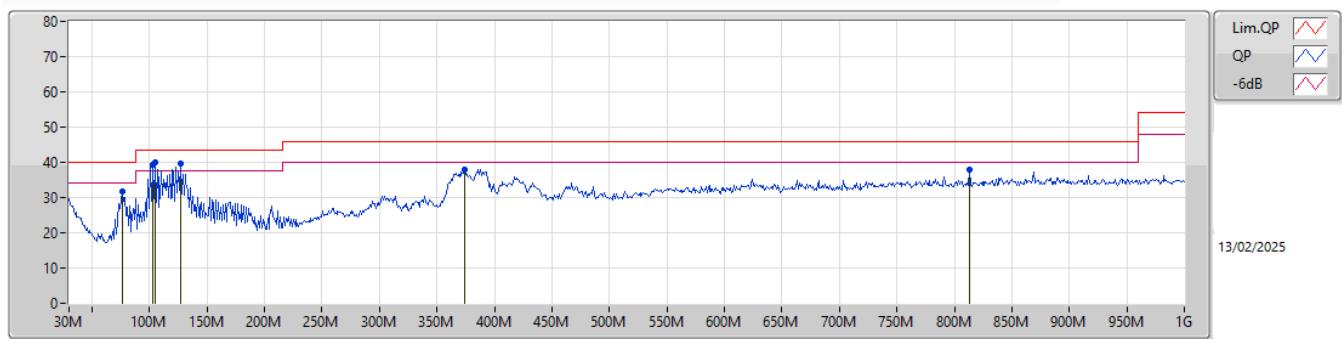
EIRP PSD;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:8;Ch:6345MHz;TX


**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	PK	104.69M	40.14	43.50	-3.36	Horizontal

**Mode 2**

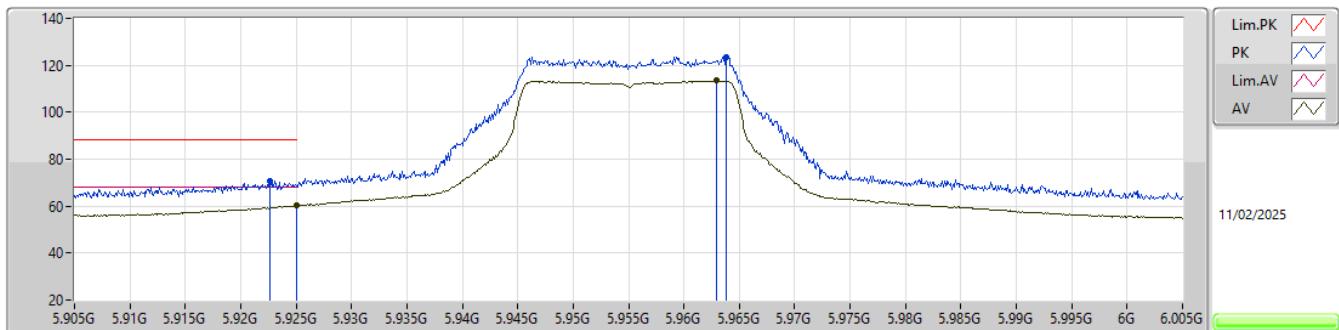
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	40.67M	31.92	40.00	-8.08	-24.69	3	Vertical	164	3.00	"Worst"	56.61	18.46	1.20	44.35		
PK	76.56M	31.57	40.00	-8.43	-29.94	3	Vertical	159	3.00	-	61.51	12.82	1.72	44.48		
PK	856.44M	35.69	46.00	-10.31	-10.88	3	Vertical	282	3.00	-	46.57	26.22	6.27	43.37		
PK	865.17M	35.50	46.00	-10.50	-10.63	3	Vertical	110	3.00	-	46.13	26.44	6.31	43.38		
PK	877.78M	35.48	46.00	-10.52	-10.56	3	Vertical	331	3.00	-	46.04	26.45	6.37	43.38		
PK	928.22M	35.38	46.00	-10.62	-10.40	3	Vertical	360	3.00	-	45.78	26.48	6.54	43.42		

**Mode 2**

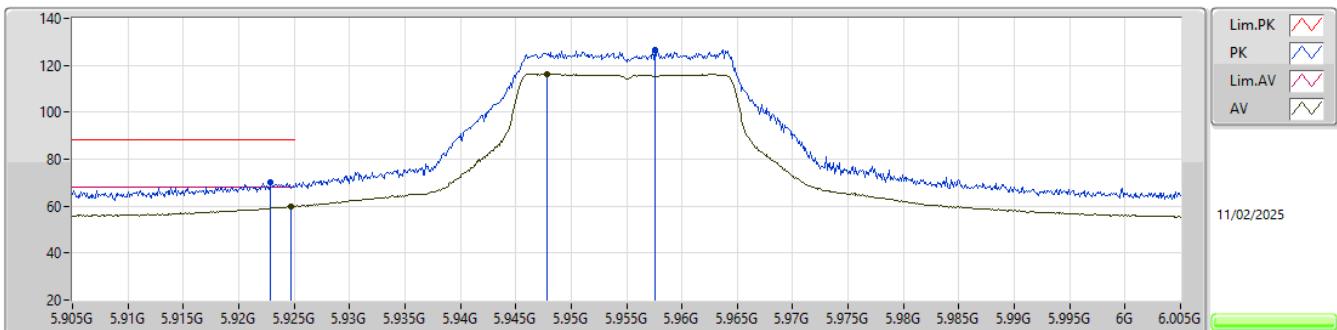
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	76.56M	31.83	40.00	-8.17	-29.94	3	Horizontal	226	3.00	-	61.77	12.82	1.72	44.48		
PK	102.75M	39.31	43.50	-4.19	-25.12	3	Horizontal	34	3.00	-	64.43	17.30	2.07	44.49		
PK	104.69M	40.14	43.50	-3.36	-24.97	3	Horizontal	48	3.00	"Worst"	65.11	17.43	2.09	44.49		
PK	127M	39.75	43.50	-3.75	-23.98	3	Horizontal	40	3.00	-	63.73	18.12	2.37	44.47		
PK	374.35M	38.00	46.00	-8.00	-18.93	3	Horizontal	16	3.00	-	56.93	20.80	4.29	44.02		
PK	812.79M	37.83	46.00	-8.17	-11.56	3	Horizontal	126	3.00	-	49.39	25.74	6.06	43.36		

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.925-6.425GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_8TX	Pass	AV	11.90794G	53.39	54.00	-0.61	3	Horizontal	316	1.80	-

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_8TX
5955MHz_TX

EUT Y_8TX
Setting 12
01-C-J-10-10

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	5.9226G	70.84	88.20	-17.36	60.90	3	Vertical	14	1.80	-	34.94	7.44	32.44			
RMS	5.925G	60.24	68.20	-7.96	50.29	3	Vertical	14	1.80	-	34.95	7.44	32.44			
PK	5.9638G	123.63	Inf	-Inf	113.44	3	Vertical	14	1.80	-	35.16	7.47	32.44			
RMS	5.9629G	113.39	Inf	-Inf	103.21	3	Vertical	14	1.80	-	35.15	7.47	32.44			

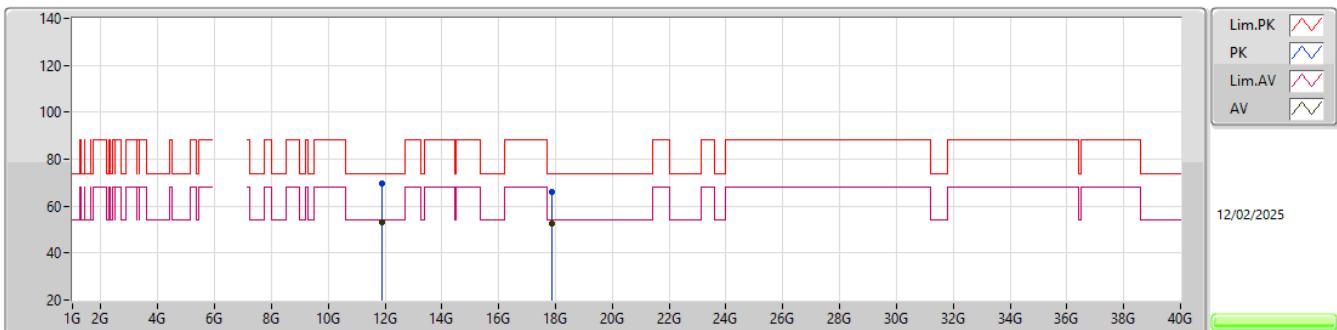
5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_8TX
5955MHz_TX

EUT Y_8TX
Setting 12
01-C-J-10-10

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	5.9229G	70.42	88.20	-17.78	60.48	3	Horizontal	26	1.80	-	34.94	7.44	32.44			
RMS	5.9247G	59.88	68.20	-8.32	49.93	3	Horizontal	26	1.80	-	34.95	7.44	32.44			
PK	5.9576G	126.54	Inf	-Inf	116.38	3	Horizontal	26	1.80	-	35.13	7.47	32.44			
RMS	5.9478G	116.31	Inf	-Inf	106.20	3	Horizontal	26	1.80	-	35.09	7.46	32.44			



5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_8TX

5955MHz_TX



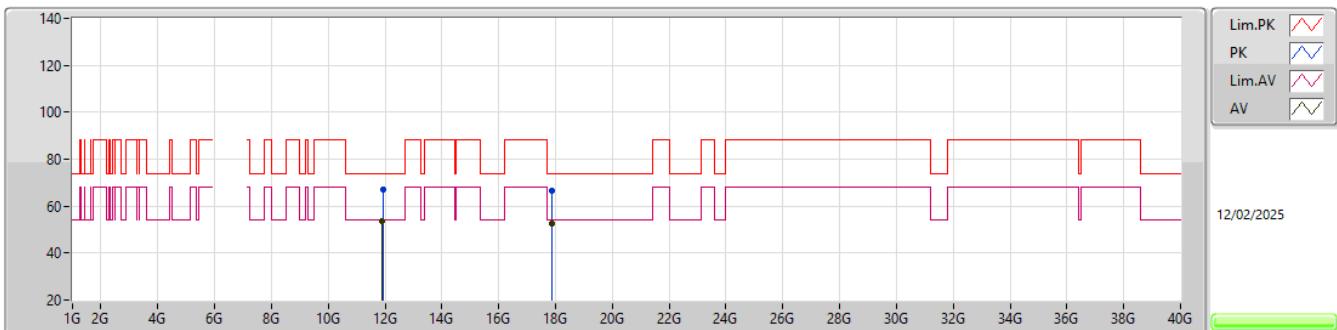
EUT Y_8TX
Setting 12
01-C-J-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	11.91166G	69.61	74.00	-4.39	51.32	3	Vertical	341	2.57	-	38.78	12.27	32.76				
AV	11.91024G	53.13	54.00	-0.87	34.84	3	Vertical	341	2.57	-	38.78	12.27	32.76				
PK	17.86918G	66.16	74.00	-7.84	42.25	3	Vertical	282	1.80	-	41.18	14.19	31.46				
AV	17.86016G	52.42	54.00	-1.58	28.56	3	Vertical	282	1.80	-	41.14	14.19	31.47				



5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_8TX

5955MHz_TX



EUT Y_8TX
Setting 12
01-C-J-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	11.91632G	67.15	74.00	-6.85	48.87	3	Horizontal	316	1.80	-	38.77	12.27	32.76				
AV	11.90794G	53.39	54.00	-0.61	35.10	3	Horizontal	316	1.80	-	38.78	12.27	32.76				
PK	17.86418G	66.53	74.00	-7.47	42.65	3	Horizontal	360	1.80	-	41.16	14.19	31.47				
AV	17.8555G	52.62	54.00	-1.38	28.79	3	Horizontal	360	1.80	-	41.12	14.19	31.48				



5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_8TX

6195MHz_TX





5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_8TX

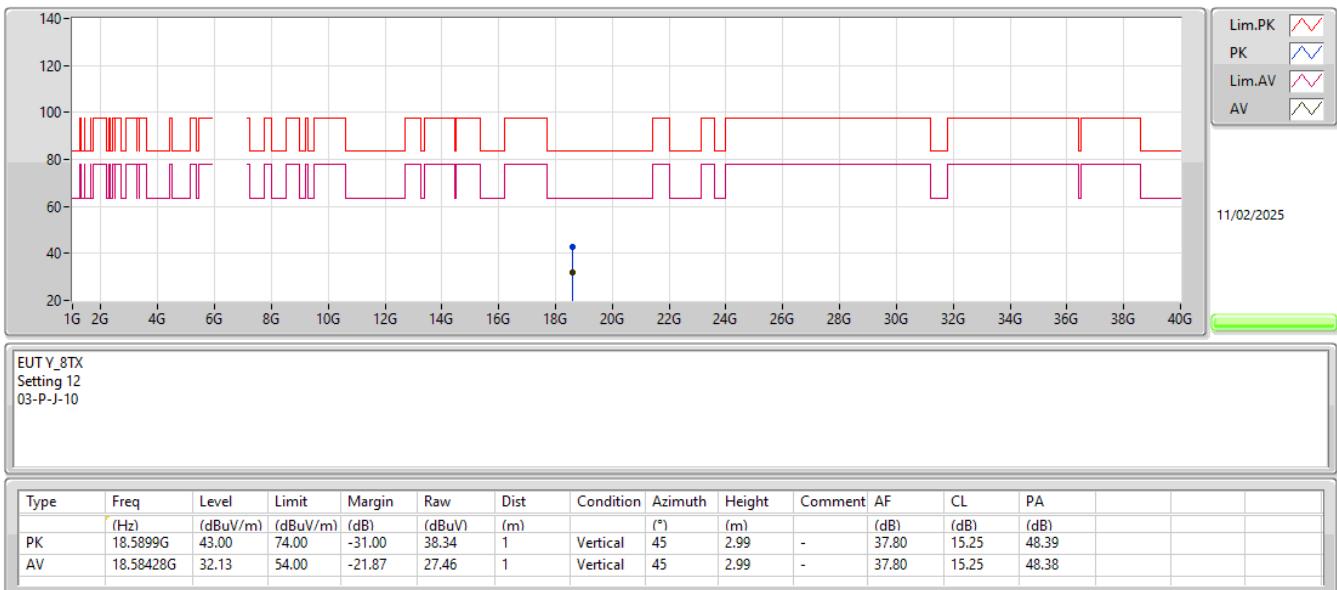
6195MHz_TX





5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_8TX

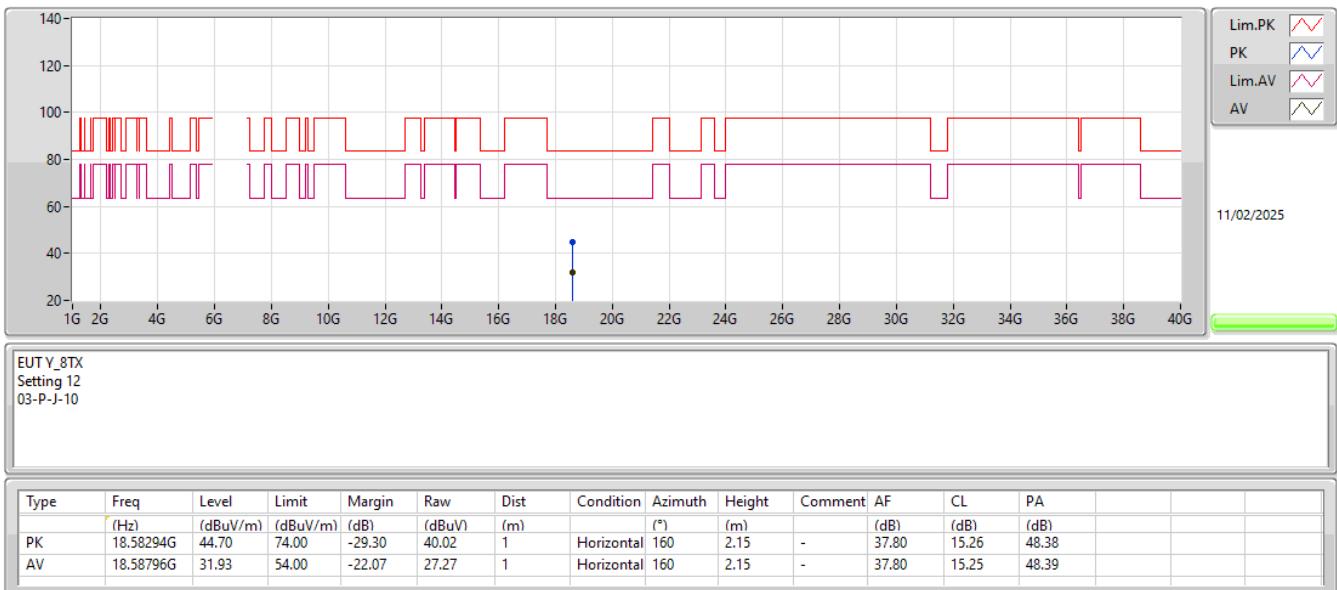
6195MHz_TX





5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_8TX

6195MHz_TX





5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_8TX

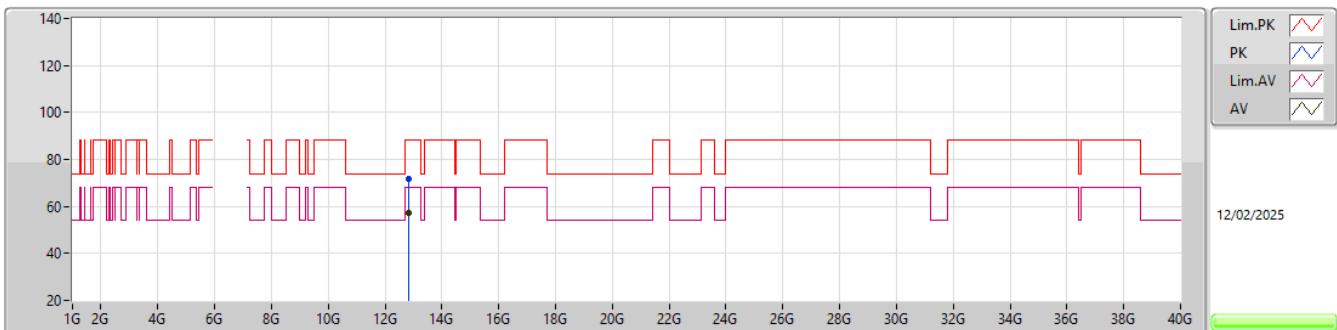
6415MHz_TX





5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_8TX

6415MHz_TX



EUT Y_8TX
Setting 12
01-C-J-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	12.827G	71.77	88.20	-16.43	51.40	3	Horizontal	37	1.80	-	39.31	12.81	31.75				
RMS	12.8299G	57.37	68.20	-10.83	36.99	3	Horizontal	37	1.80	-	39.32	12.81	31.75				



5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_8TX

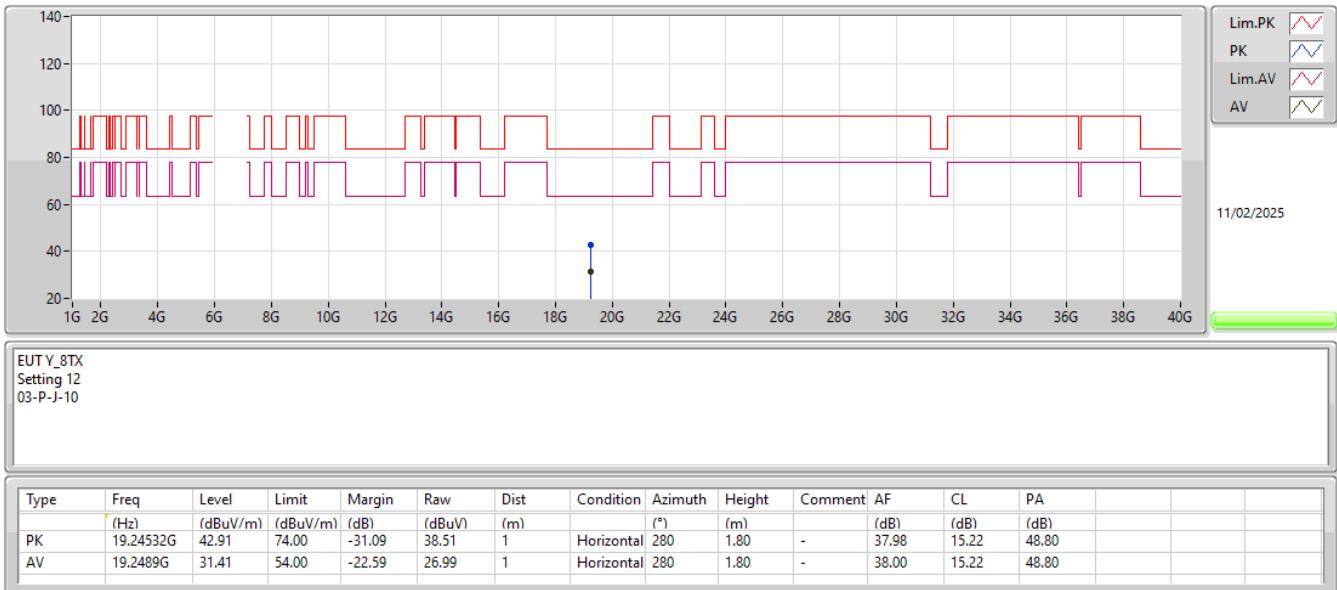
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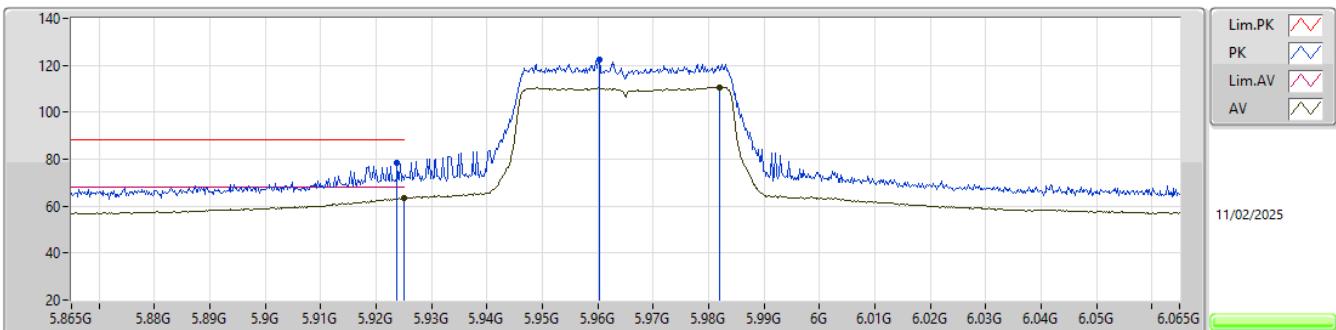




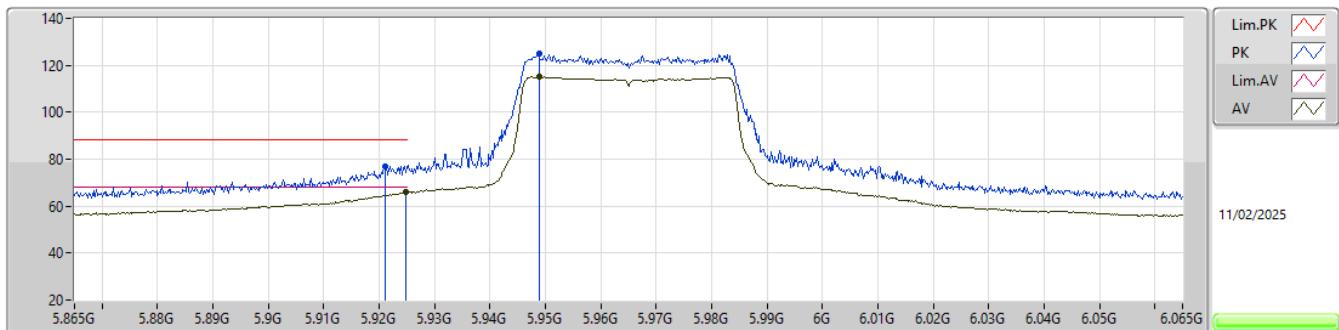
5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_8TX

6415MHz_TX



5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_8TX
5965MHz_TX

EUT Y_8TX
Setting 11
01-C-J-10-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.9238G	78.69	88.20	-9.51	68.75	3	Vertical	359	1.80	-	34.94	7.44	32.44			
RMS	5.925G	63.46	68.20	-4.74	53.51	3	Vertical	359	1.80	-	34.95	7.44	32.44			
PK	5.9602G	122.39	Inf	-Inf	112.22	3	Vertical	359	1.80	-	35.14	7.47	32.44			
RMS	5.982G	110.68	Inf	-Inf	100.40	3	Vertical	359	1.80	-	35.23	7.49	32.44			

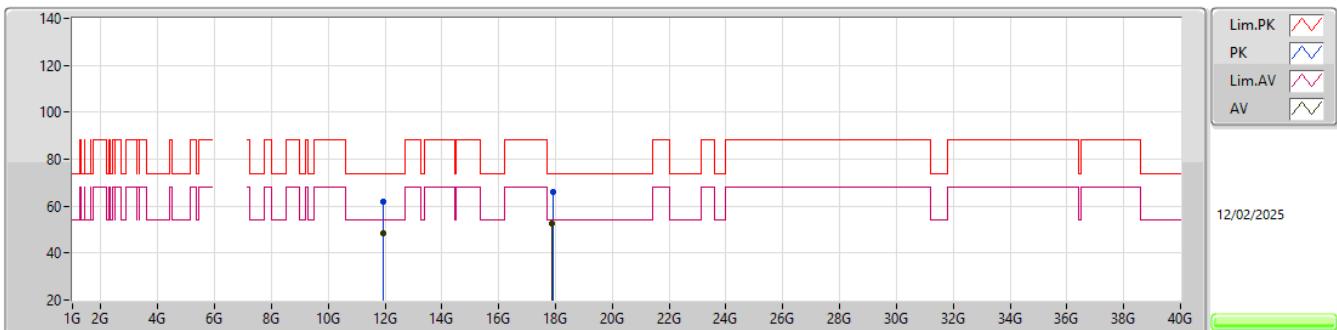
5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_8TX
5965MHz_TX

EUT Y_8TX
Setting 11
01-C-J-10-10

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	5.921G	77.12	88.20	-11.08	67.19	3	Horizontal	24	1.80	-	34.93	7.44	32.44			
RMS	5.9248G	65.99	68.20	-2.21	56.04	3	Horizontal	24	1.80	-	34.95	7.44	32.44			
PK	5.9488G	125.13	Inf	-Inf	115.02	3	Horizontal	24	1.80	-	35.09	7.46	32.44			
RMS	5.9488G	115.14	Inf	-Inf	105.03	3	Horizontal	24	1.80	-	35.09	7.46	32.44			



5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_8TX

5965MHz_TX



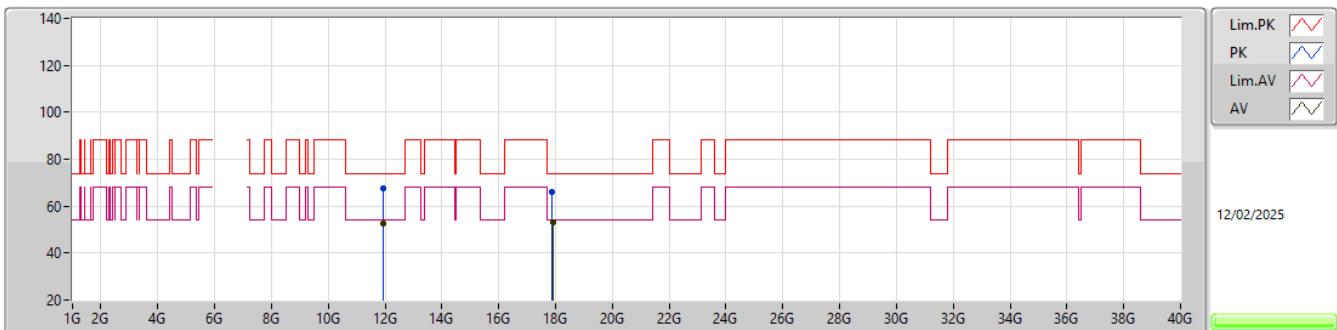
EUT Y_8TX
Setting 11
01-C-J-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	11.93074G	61.81	74.00	-12.19	43.55	3	Vertical	311	1.61	-	38.74	12.29	32.77				
AV	11.93032G	48.51	54.00	-5.49	30.25	3	Vertical	311	1.61	-	38.74	12.29	32.77				
PK	17.89698G	65.94	74.00	-8.06	41.89	3	Vertical	219	1.80	-	41.29	14.20	31.44				
AV	17.89116G	52.78	54.00	-1.22	28.77	3	Vertical	219	1.80	-	41.26	14.20	31.45				



5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_8TX

5965MHz_TX



EUT Y_8TX
Setting 11
01-C-J-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	11.93002G	67.48	74.00	-6.52	49.22	3	Horizontal	318	1.80	-	38.74	12.29	32.77				
AV	11.92982G	52.63	54.00	-1.37	34.37	3	Horizontal	318	1.80	-	38.74	12.29	32.77				
PK	17.88804G	66.26	74.00	-7.74	42.26	3	Horizontal	360	1.80	-	41.25	14.20	31.45				
AV	17.89934G	52.85	54.00	-1.15	28.79	3	Horizontal	360	1.80	-	41.30	14.20	31.44				



5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_8TX

6205MHz_TX





5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_8TX

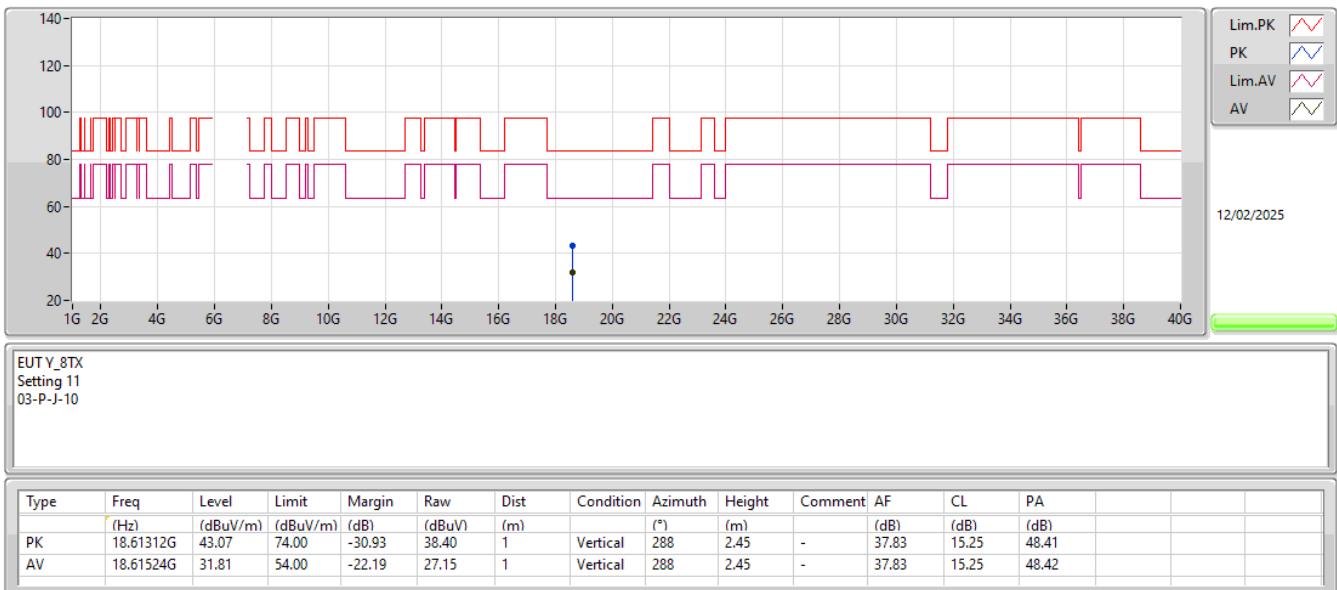
6205MHz_TX





5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_8TX

6205MHz_TX





5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_8TX

6205MHz_TX



5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_8TX
6405MHz_TX




5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_8TX

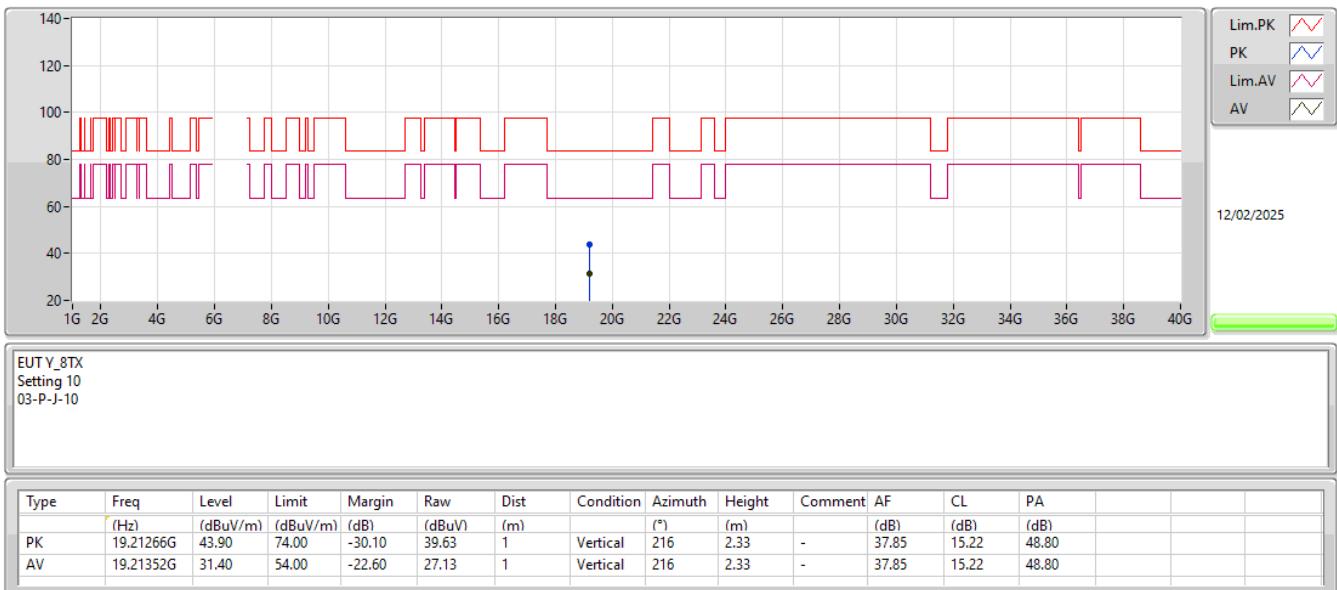
6405MHz_TX





5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_8TX

6405MHz_TX

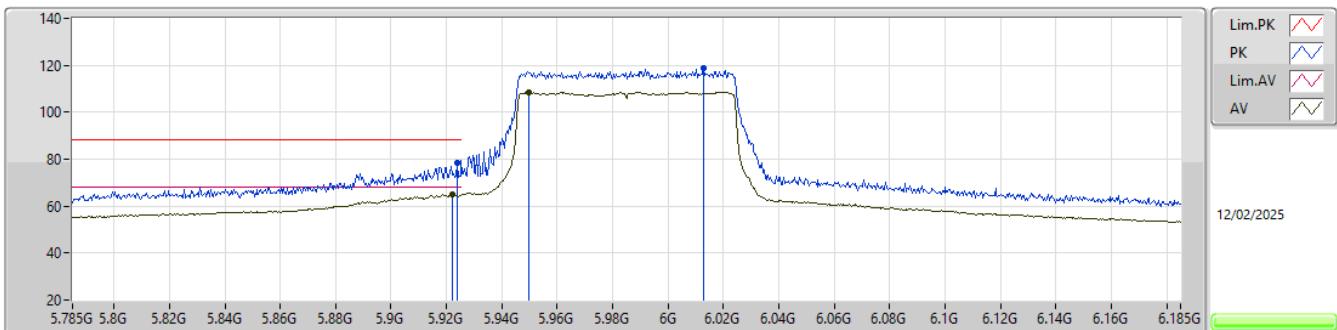




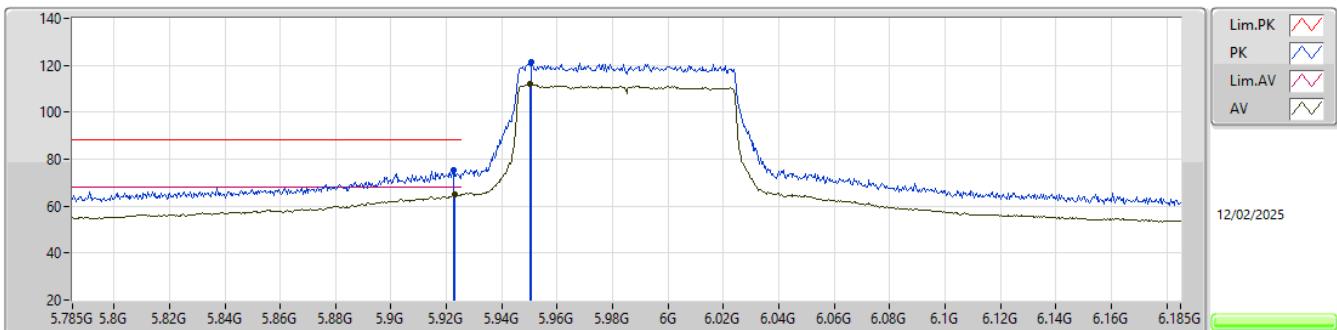
5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_8TX

6405MHz_TX



5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_8TX
5985MHz_TX

EUT Y_8TX
Setting 14
01-C-J-10-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.9238G	78.68	88.20	-9.52	68.74	3	Vertical	10	1.80	-	34.94	7.44	32.44			
RMS	5.9222G	64.91	68.20	-3.29	54.98	3	Vertical	10	1.80	-	34.93	7.44	32.44			
PK	6.013G	118.97	Inf	-Inf	108.57	3	Vertical	10	1.80	-	35.33	7.51	32.44			
RMS	5.9498G	108.57	Inf	-Inf	98.45	3	Vertical	10	1.80	-	35.10	7.46	32.44			

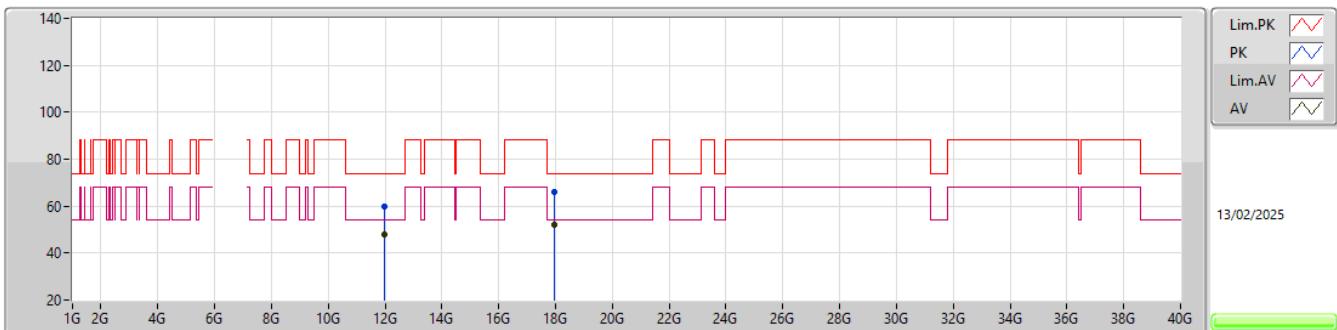
5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_8TX
5985MHz_TX

EUT Y_8TX
Setting 14
01-C-J-10-10

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	5.9226G	75.16	88.20	-13.04	65.22	3	Horizontal	23	1.80	-	34.94	7.44	32.44			
RMS	5.923G	64.75	68.20	-3.45	54.81	3	Horizontal	23	1.80	-	34.94	7.44	32.44			
PK	5.9506G	121.58	Inf	-Inf	111.46	3	Horizontal	23	1.80	-	35.10	7.46	32.44			
RMS	5.9502G	111.87	Inf	-Inf	101.75	3	Horizontal	23	1.80	-	35.10	7.46	32.44			



5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_8TX

5985MHz_TX



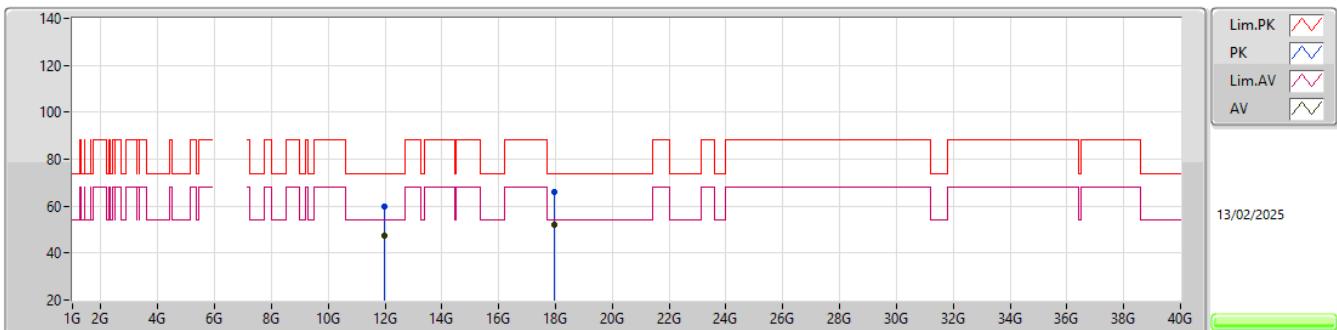
EUT Y_8TX
Setting 14
01-C-J-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	11.9783G	59.92	74.00	-14.08	41.67	3	Vertical	360	1.80	-	38.70	12.34	32.79				
AV	11.9749G	47.68	54.00	-6.32	29.44	3	Vertical	360	1.80	-	38.70	12.33	32.79				
PK	17.94854G	66.25	74.00	-7.75	42.03	3	Vertical	354	1.80	-	41.40	14.22	31.40				
AV	17.95862G	52.00	54.00	-2.00	27.75	3	Vertical	354	1.80	-	41.42	14.22	31.39				



5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_8TX

5985MHz_TX



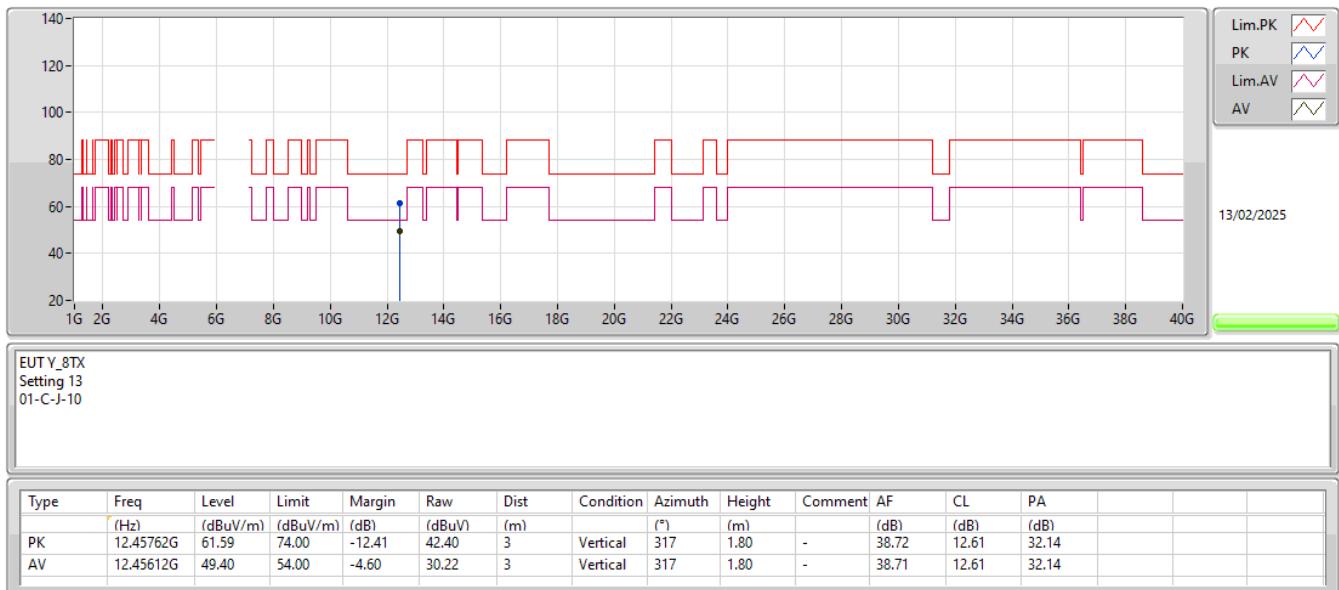
EUT Y_8TX
Setting 14
01-C-J-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	11.96664G	60.04	74.00	-13.96	41.80	3	Horizontal	201	1.66	-	38.70	12.33	32.79				
AV	11.97858G	47.65	54.00	-6.35	29.40	3	Horizontal	201	1.66	-	38.70	12.34	32.79				
PK	17.95356G	65.83	74.00	-8.17	41.60	3	Horizontal	360	1.80	-	41.41	14.22	31.40				
AV	17.96348G	52.09	54.00	-1.91	27.83	3	Horizontal	360	1.80	-	41.43	14.22	31.39				



5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_8TX

6225MHz_TX





5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_8TX

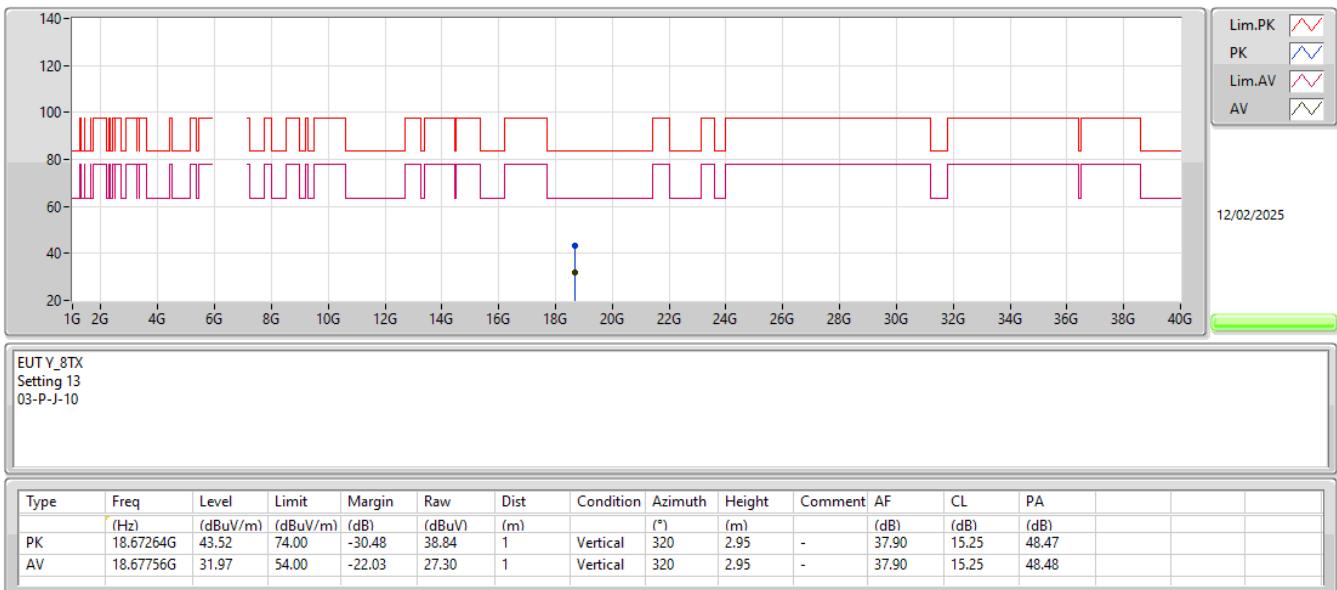
6225MHz_TX





5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_8TX

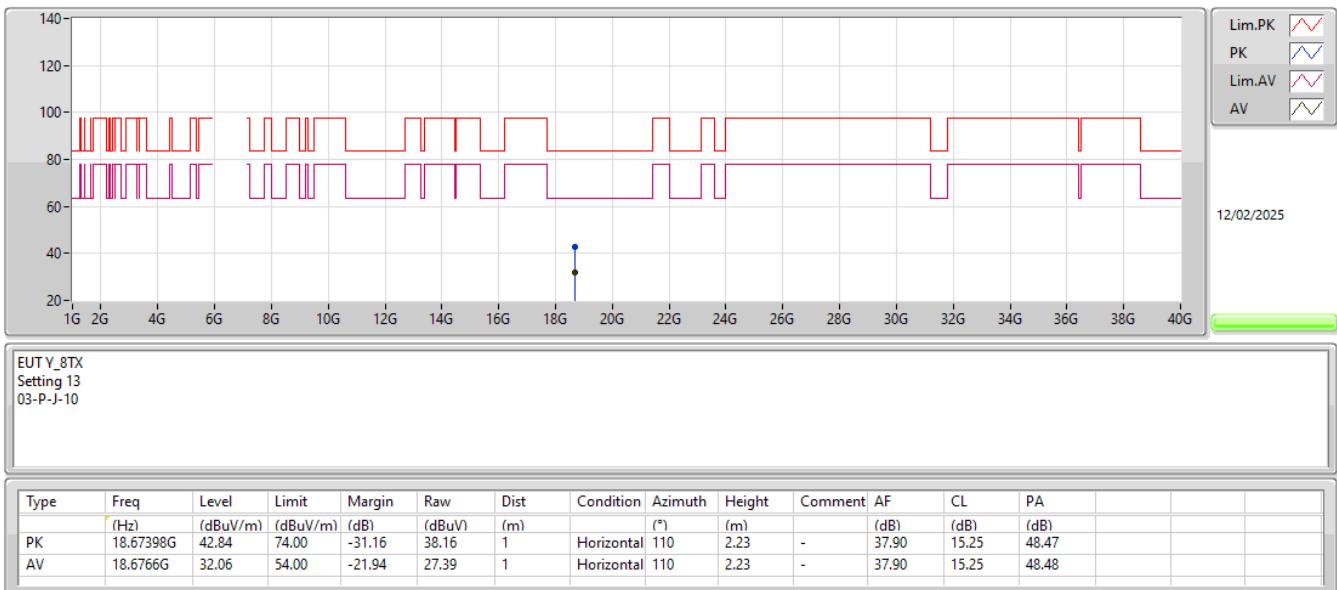
6225MHz_TX





5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_8TX

6225MHz_TX





5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_8TX

6385MHz_TX





5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_8TX

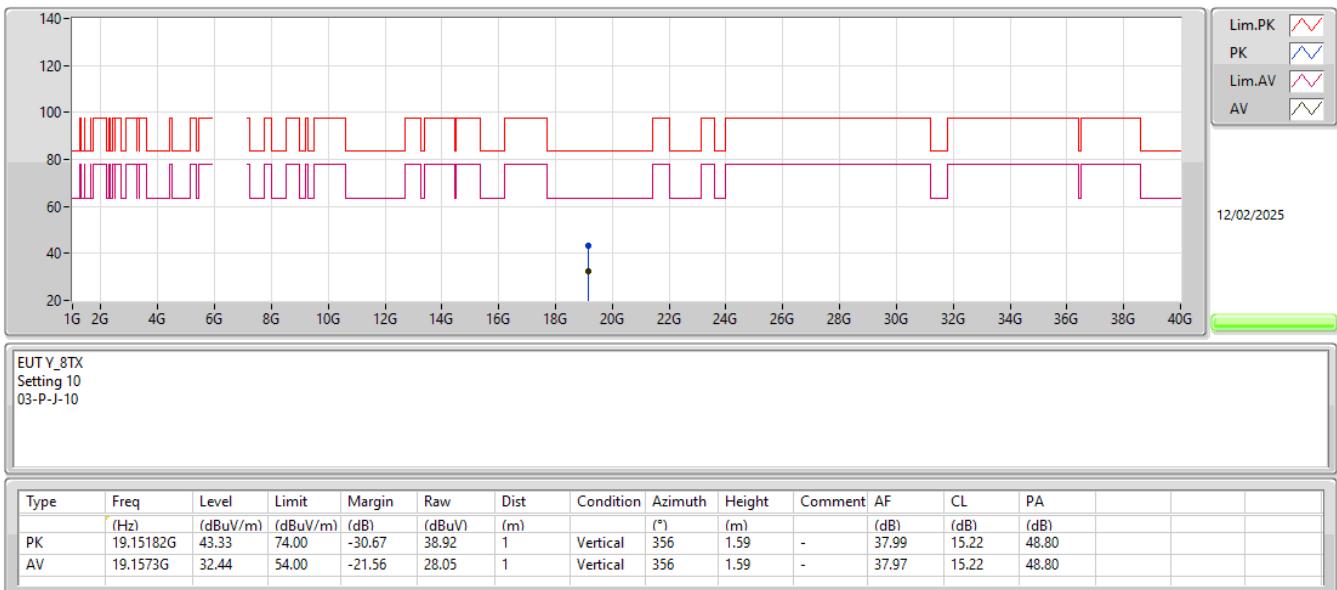
6385MHz_TX





5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_8TX

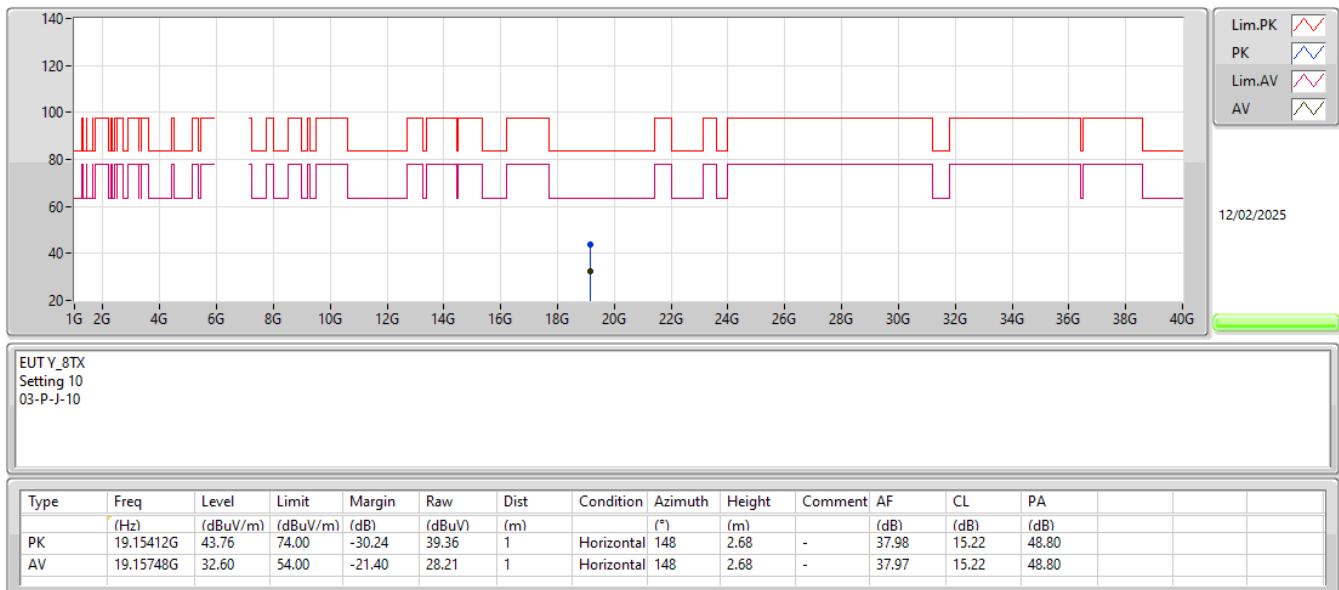
6385MHz_TX

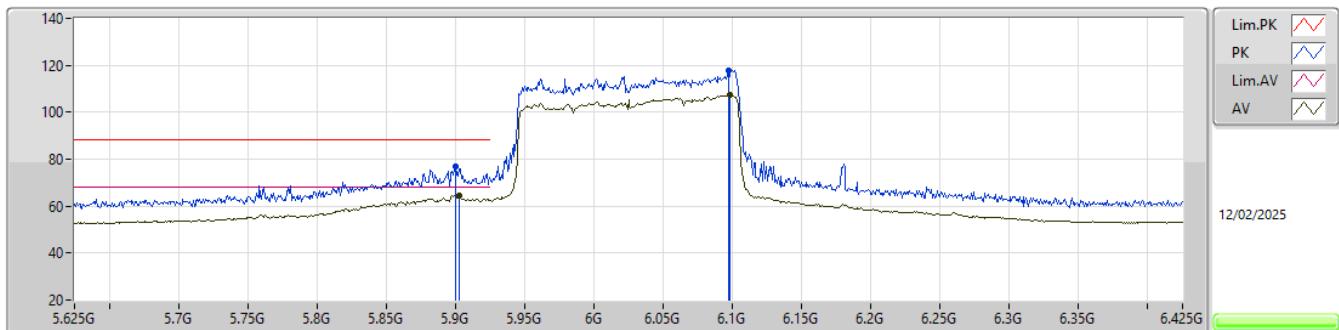




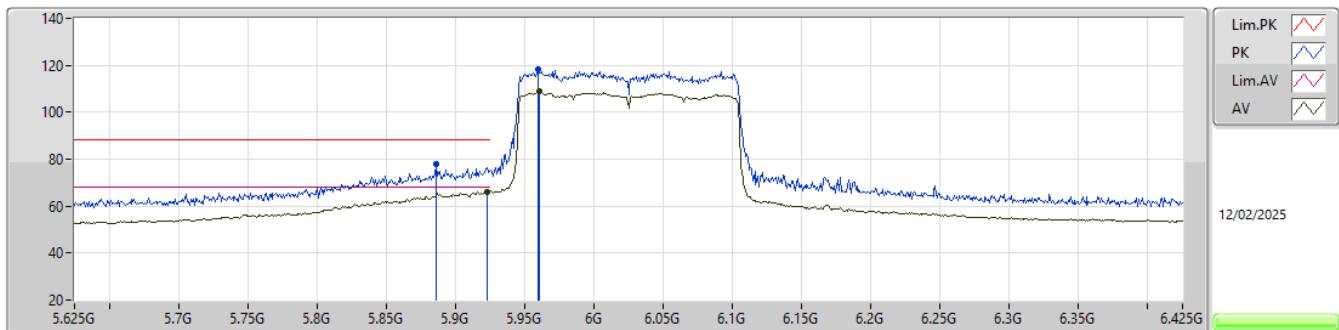
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6385MHz_TX

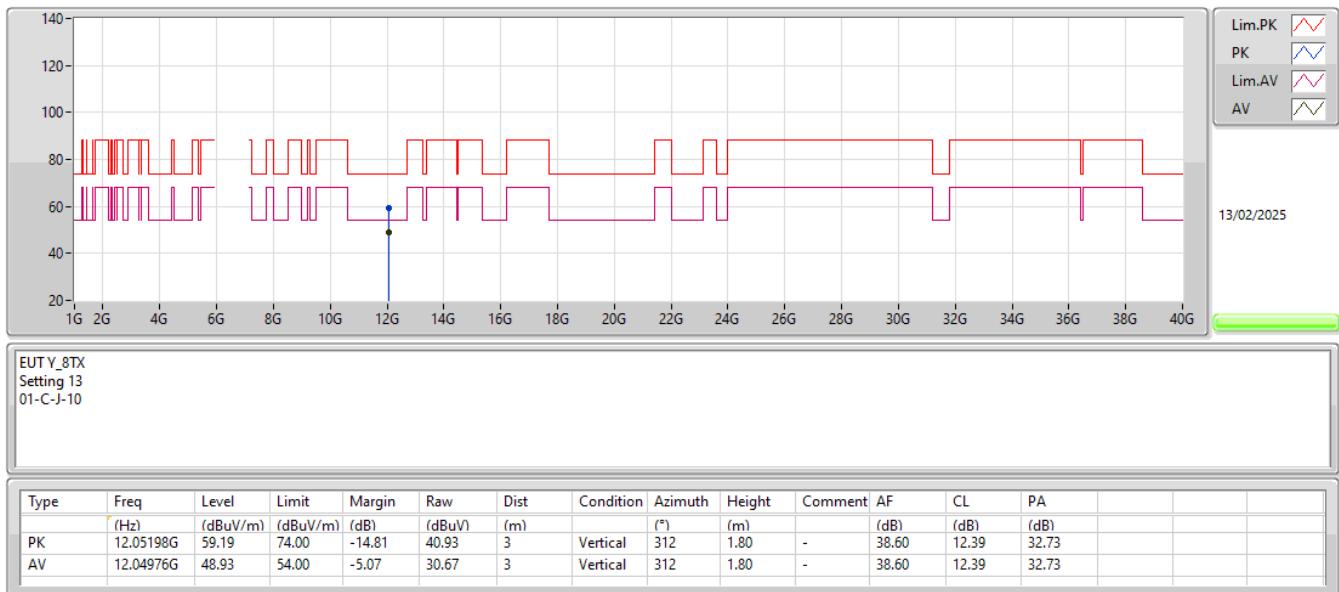


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_8TX
6025MHz_TX

 EUT Y_8TX
 Setting 13
 01-C-J-10-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.9002G	77.15	88.20	-11.05	67.36	3	Vertical 0	1.80	-		34.80	7.43	32.44			
RMS	5.9026G	64.58	68.20	-3.62	54.77	3	Vertical 0	1.80	-		34.82	7.43	32.44			
PK	6.097G	117.89	Inf	-Inf	107.38	3	Vertical 0	1.80	-		35.40	7.54	32.43			
RMS	6.0978G	107.60	Inf	-Inf	97.09	3	Vertical 0	1.80	-		35.40	7.54	32.43			

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_8TX
6025MHz_TX

EUT Y_8TX
Setting 13
01-C-J-10-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.8858G	77.68	88.20	-10.52	68.00	3	Horizontal	356	1.80	-	34.71	7.41	32.44			
RMS	5.9226G	65.92	68.20	-2.28	55.98	3	Horizontal	356	1.80	-	34.94	7.44	32.44			
PK	5.9594G	118.36	Inf	-Inf	108.19	3	Horizontal	356	1.80	-	35.14	7.47	32.44			
RMS	5.9602G	109.02	Inf	-Inf	98.85	3	Horizontal	356	1.80	-	35.14	7.47	32.44			

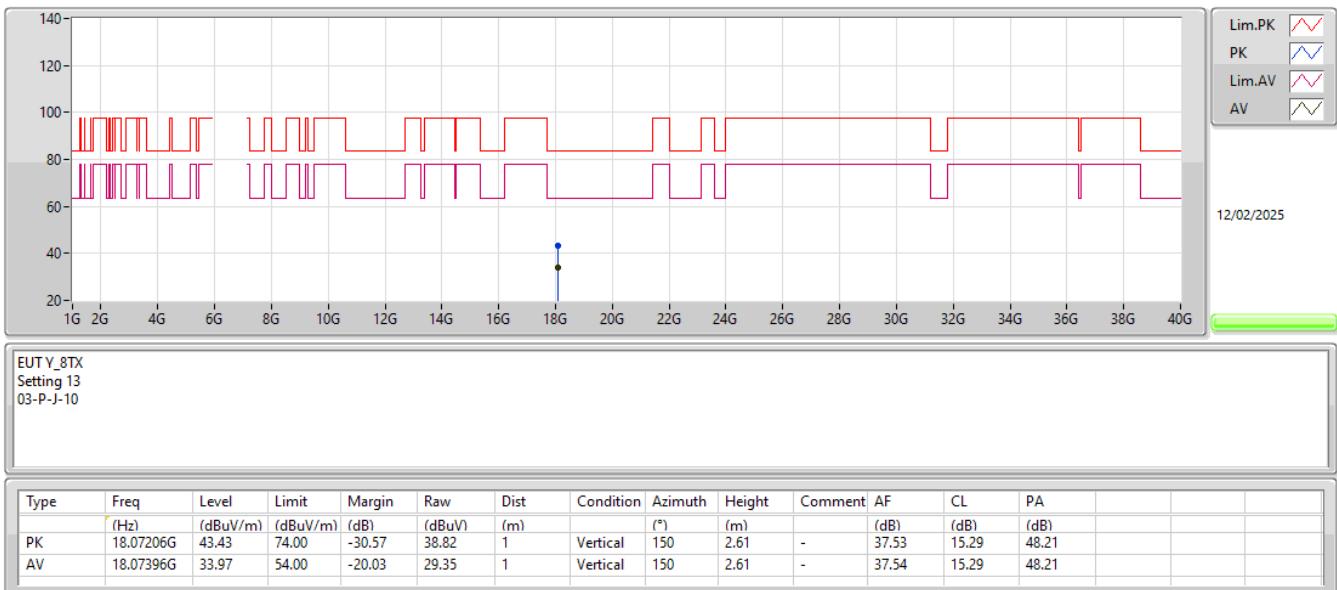
5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_8TX
6025MHz_TX


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_8TX
6025MHz_TX




5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_8TX

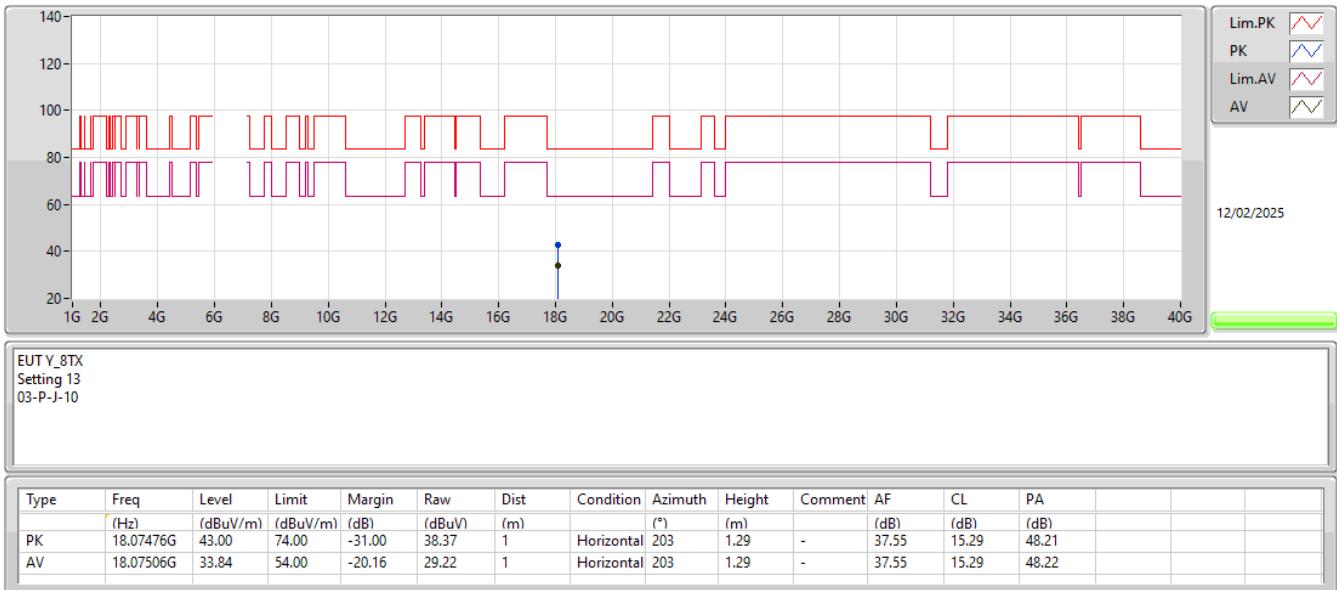
6025MHz_TX





5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_8TX

6025MHz_TX



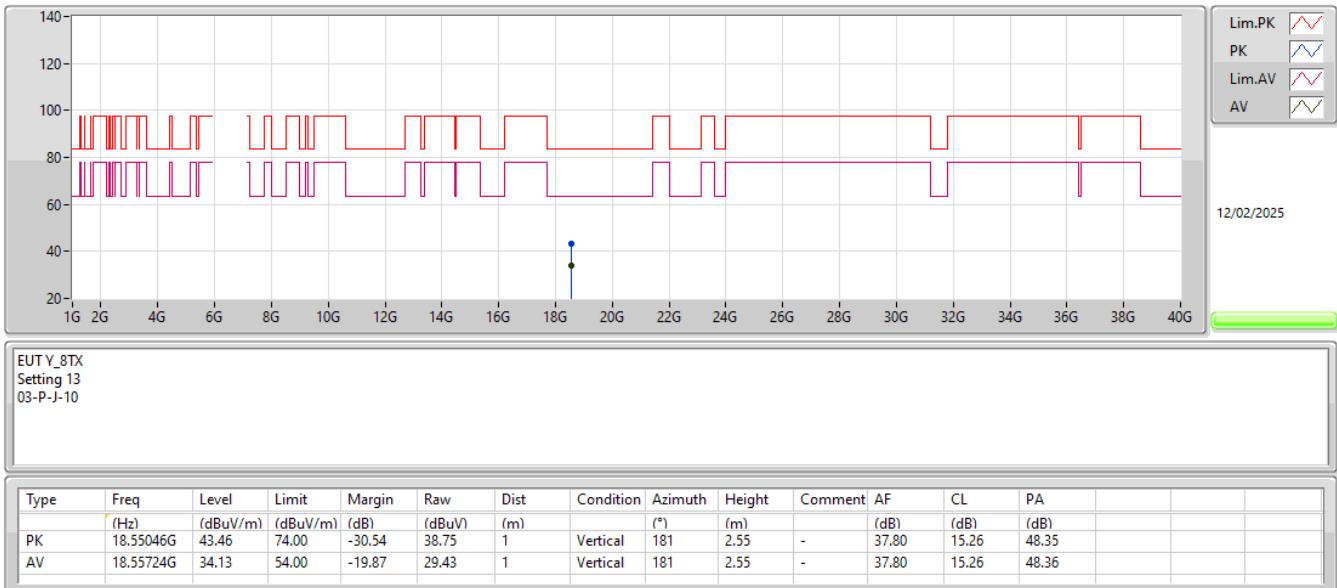
5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_8TX
6185MHz_TX


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_8TX
6185MHz_TX




5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_8TX

6185MHz_TX

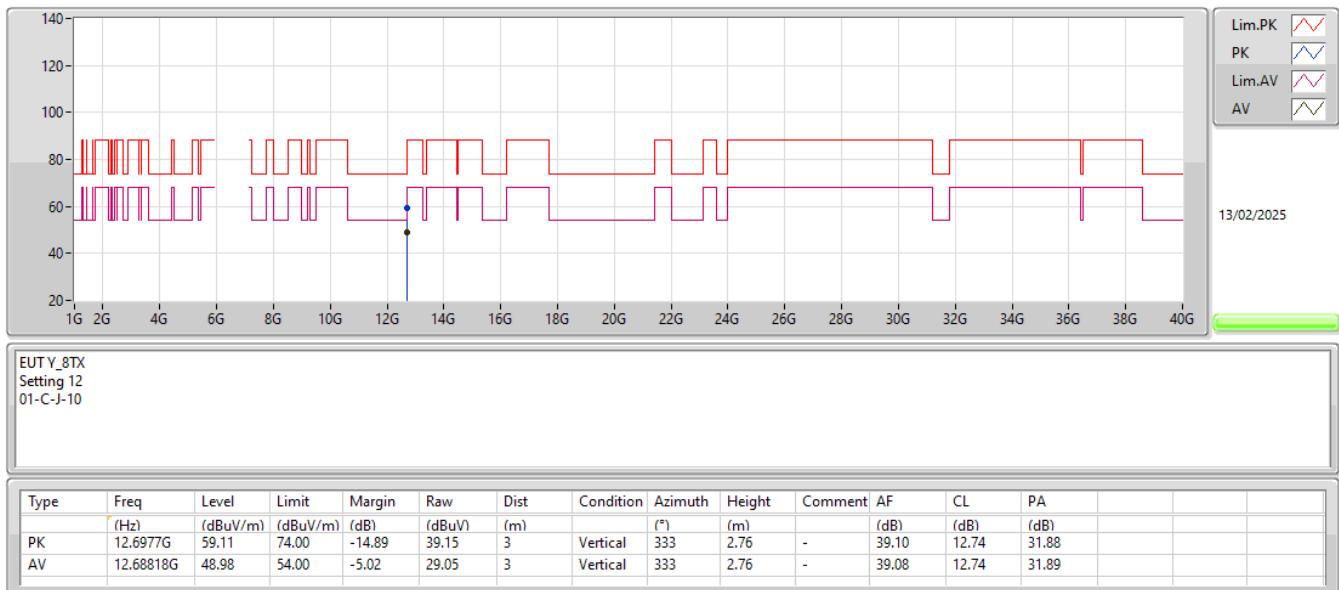




5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_8TX

6185MHz_TX



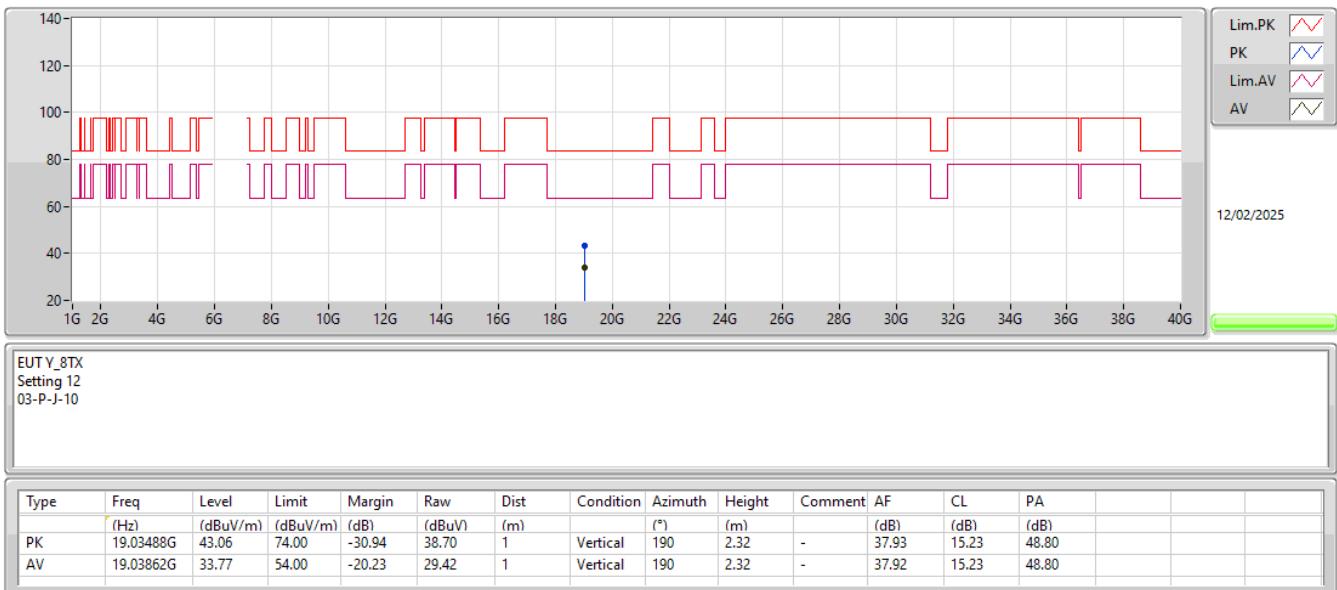
5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_8TX
6345MHz_TX


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_8TX
6345MHz_TX




5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_8TX

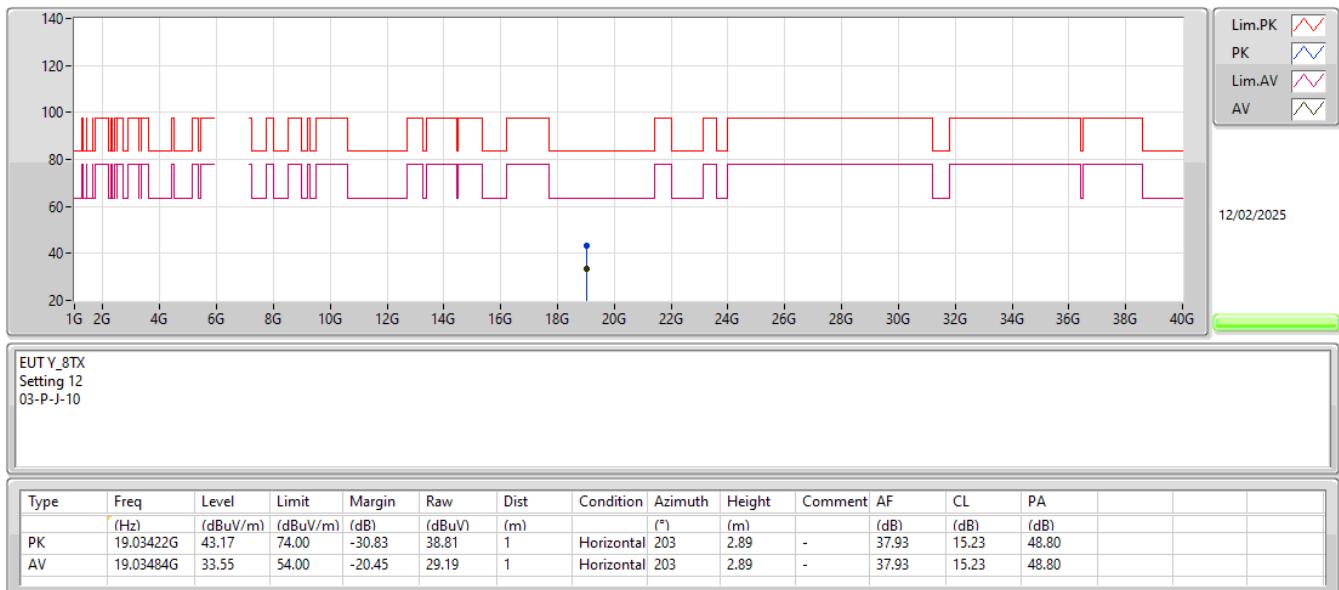
6345MHz_TX





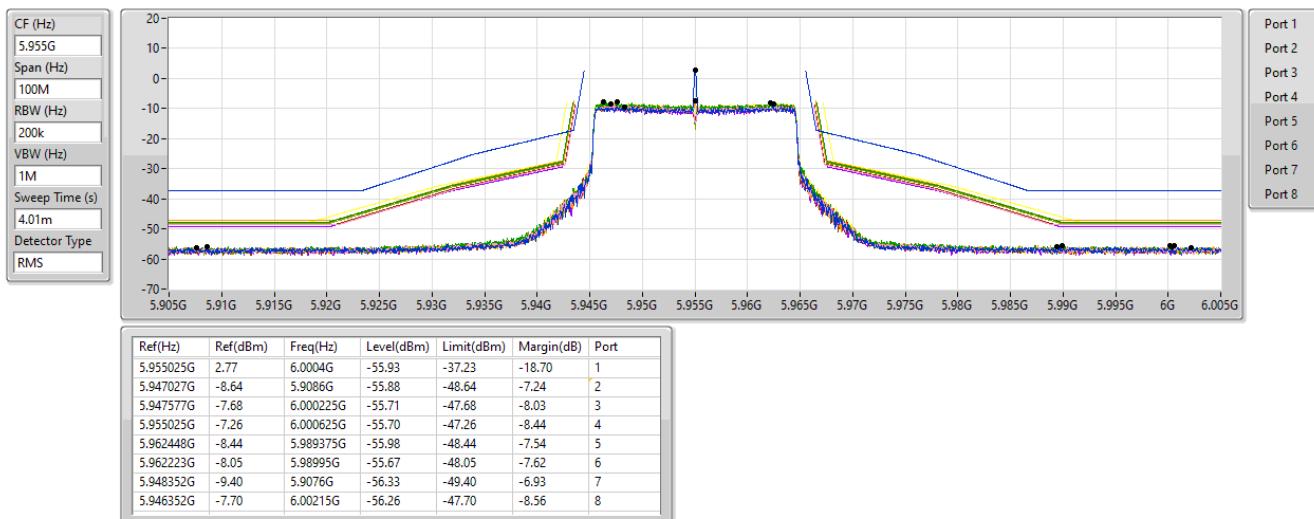
5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_8TX

6345MHz_TX

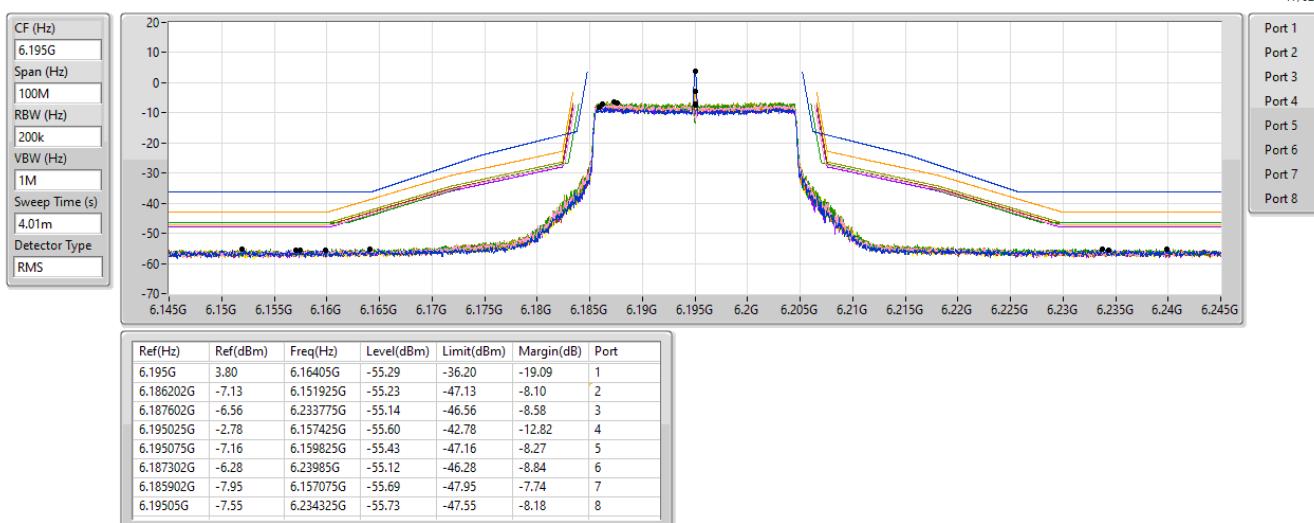


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_8TX
MASK
5955MHz_TX

17/02/2025

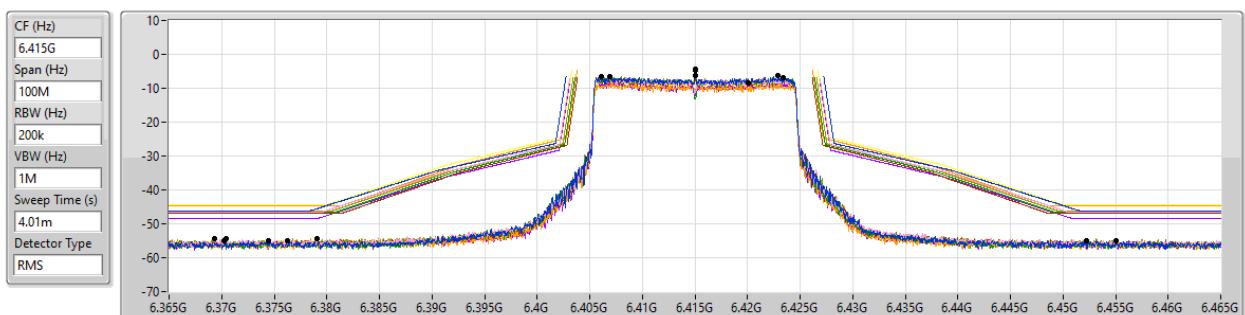

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_8TX
MASK
6195MHz_TX

17/02/2025



5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_8TX
MASK
6415MHz_TX

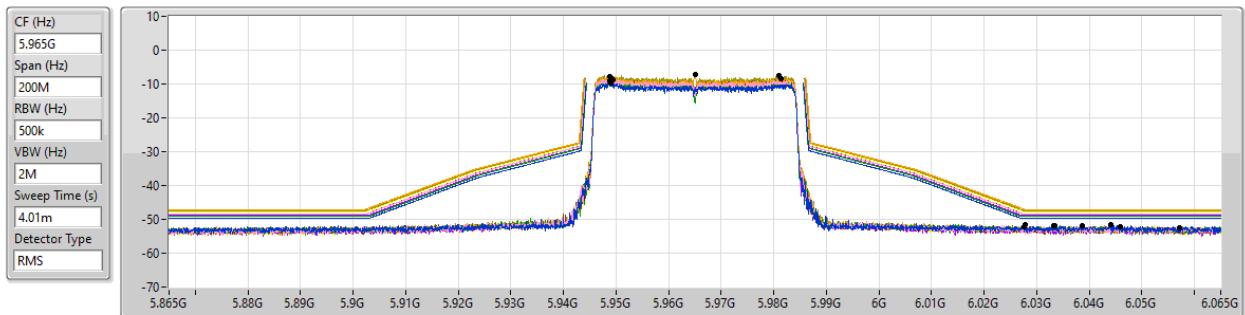
17/02/2025



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.415G	-6.30	6.4522G	-54.85	-46.30	-8.55	1
6.406902G	-6.70	6.37905G	-54.49	-46.70	-7.79	2
6.406127G	-6.59	6.3763G	-54.92	-46.59	-8.33	3
6.415025G	-4.66	6.370275G	-55.10	-44.66	-10.44	4
6.423348G	-6.82	6.3704G	-54.46	-46.82	-7.64	5
6.422898G	-6.34	6.3693G	-54.28	-46.34	-7.94	6
6.420099G	-8.31	6.455075G	-55.07	-48.31	-6.76	7
6.415025G	-4.49	6.374475G	-55.09	-44.49	-10.60	8

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_8TX
MASK
5965MHz_TX

17/02/2025



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
5.949104G	-9.73	6.0441G	-51.66	-49.73	-1.93	1
5.949154G	-8.40	6.0332G	-51.98	-48.40	-3.58	2
5.948804G	-8.99	6.0334G	-52.00	-48.99	-3.01	3
5.9651G	-7.33	6.0279G	-51.63	-47.16	-4.47	4
5.981346G	-8.35	6.0277G	-52.10	-48.35	-3.75	5
5.981046G	-7.49	6.0386G	-51.90	-47.49	-4.41	6
5.949354G	-8.89	6.05715G	-52.43	-48.89	-3.54	7
5.948754G	-7.76	6.046G	-52.16	-47.76	-4.40	8

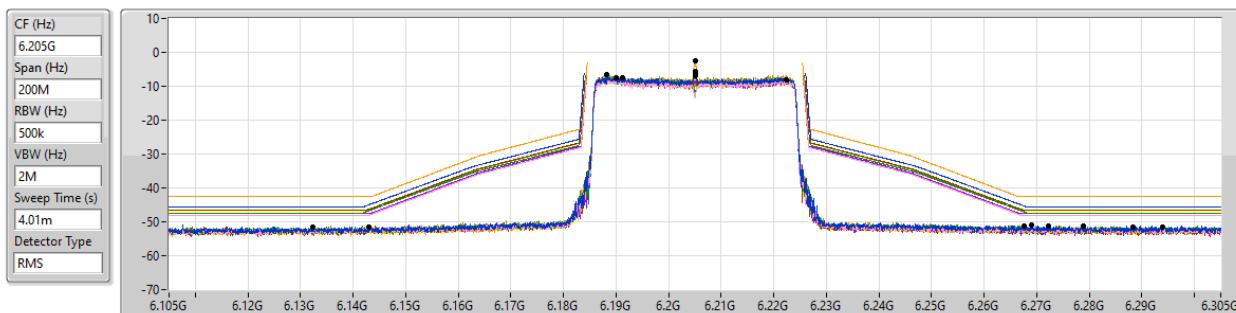


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_8TX

MASK

6205MHz_TX

17/02/2025



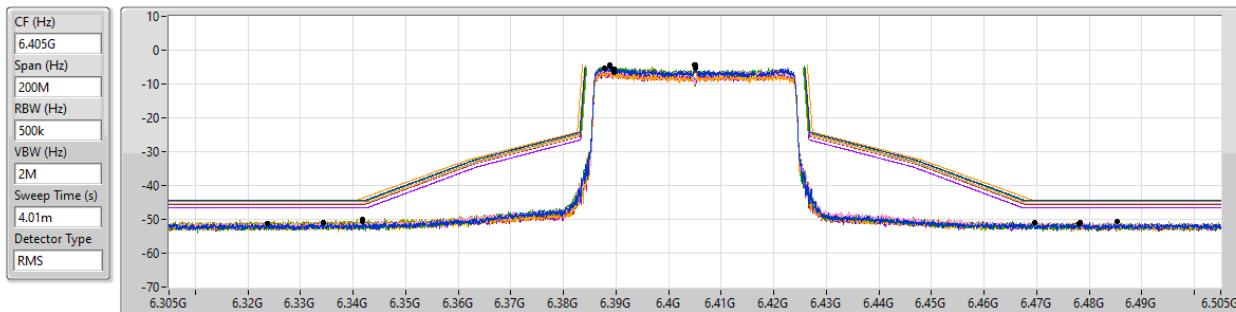
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.205G	-5.65	6.2691G	-51.01	-45.65	-5.36	1
6.222296G	-8.07	6.2788G	-51.22	-48.07	-3.15	2
6.190104G	-7.49	6.27225G	-51.27	-47.49	-3.78	3
6.20505G	-2.48	6.29395G	-51.51	-42.48	-9.03	4
6.2051G	-6.62	6.13225G	-51.48	-46.62	-4.86	5
6.188254G	-6.59	6.2676G	-51.22	-46.59	-4.63	6
6.191303G	-7.64	6.1429G	-51.58	-47.64	-3.94	7
6.20505G	-6.96	6.28835G	-51.59	-46.96	-4.63	8

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_8TX

MASK

6405MHz_TX

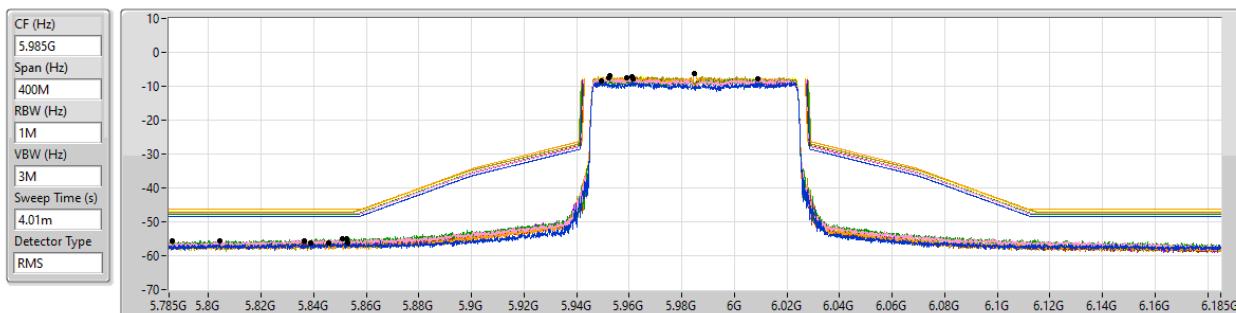
17/02/2025



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.4049G	-4.34	6.47835G	-50.85	-44.34	-6.51	1
6.387854G	-5.40	6.34185G	-50.73	-45.40	-5.33	2
6.388854G	-4.28	6.48535G	-50.74	-44.28	-6.46	3
6.40505G	-4.27	6.3236G	-51.11	-44.27	-6.84	4
6.389604G	-5.51	6.3343G	-50.90	-45.51	-5.39	5
6.388804G	-4.66	6.34175G	-49.99	-44.66	-5.33	6
6.389704G	-6.51	6.4697G	-50.86	-46.51	-4.35	7
6.4051G	-5.21	6.4781G	-51.14	-45.21	-5.93	8

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_8TX
MASK
5985MHz_TX

17/02/2025



17/02/2025

Port 1 (Blue)
Port 2 (Red)
Port 3 (Green)
Port 4 (Orange)
Port 5 (Purple)
Port 6 (Yellow)
Port 7 (Magenta)
Port 8 (Cyan)

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_8TX
MASK
6225MHz_TX

17/02/2025

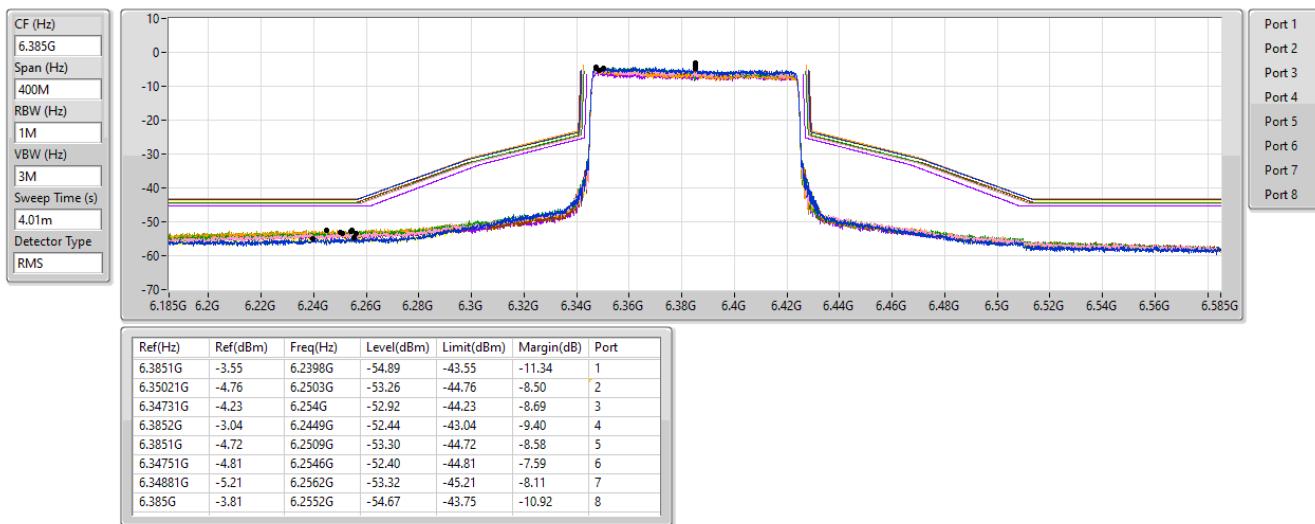


17/02/2025

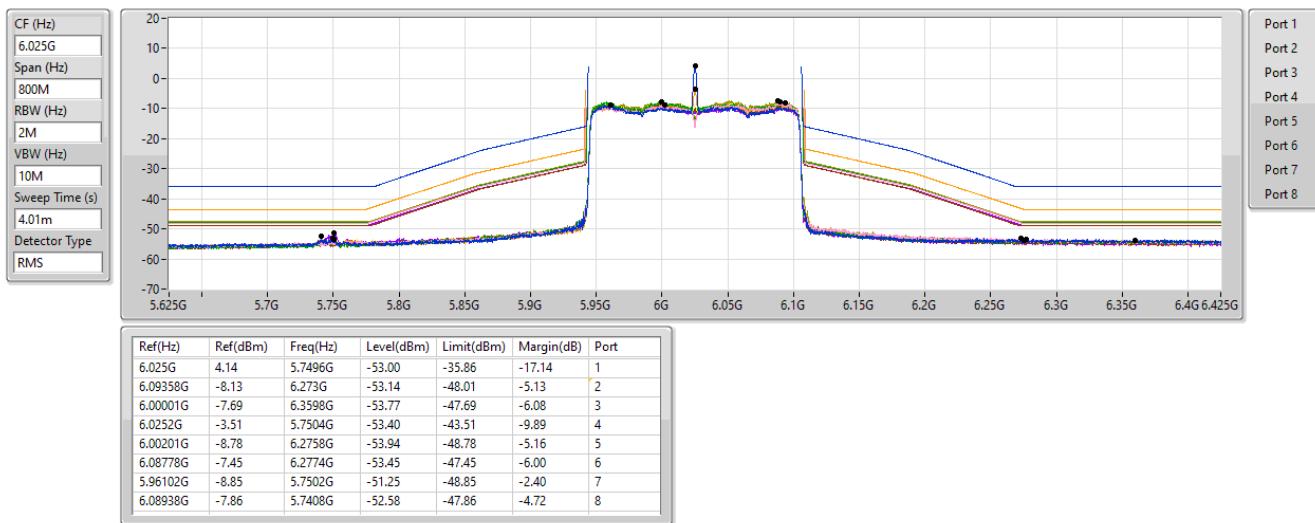
Port 1 (Blue)
Port 2 (Red)
Port 3 (Green)
Port 4 (Orange)
Port 5 (Purple)
Port 6 (Yellow)
Port 7 (Magenta)
Port 8 (Cyan)

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_8TX
MASK
6385MHz_TX

17/02/2025

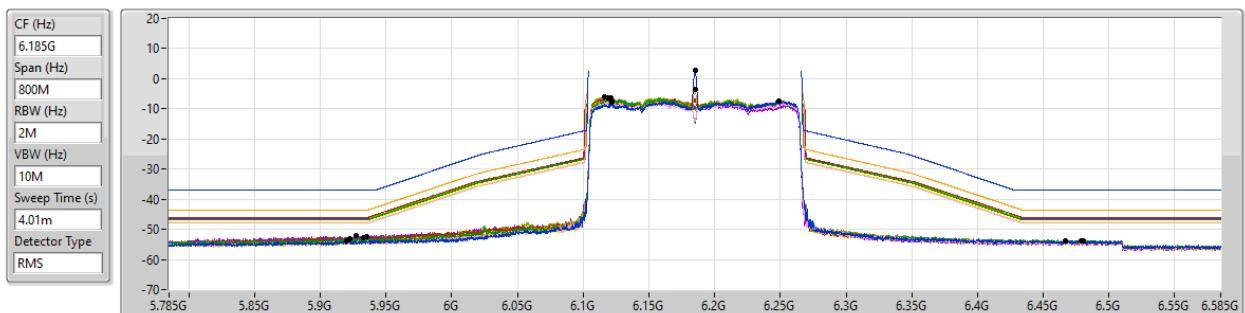

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_8TX
MASK
6025MHz_TX

17/02/2025



5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_8TX
MASK
6185MHz_TX

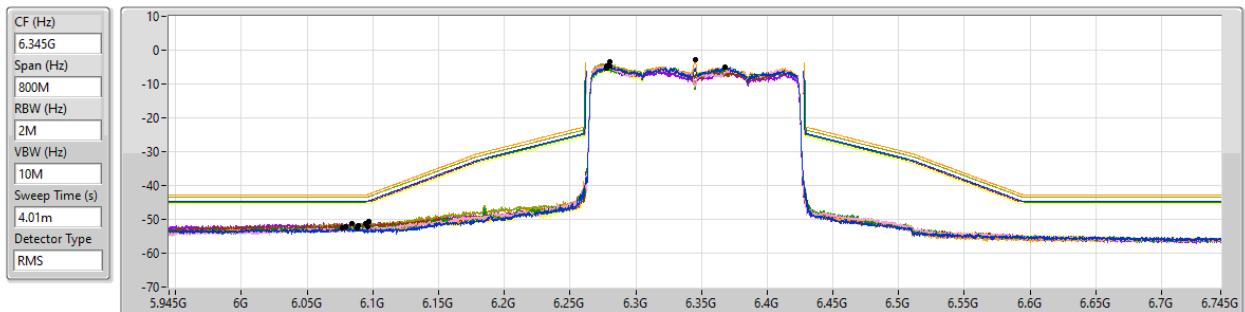
17/02/2025



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.185G	2.92	6.4802G	-53.70	-37.08	-16.62	1
6.12162G	-7.77	6.4788G	-53.83	-47.77	-6.06	2
6.12102G	-6.65	5.9222G	-53.01	-46.65	-6.36	3
6.1852G	-3.46	5.92G	-53.71	-43.46	-10.25	4
6.12102G	-6.26	5.9354G	-52.37	-46.09	-6.28	5
6.11602G	-6.11	5.933G	-52.82	-46.11	-6.71	6
6.11862G	-6.45	5.9274G	-52.03	-46.45	-5.58	7
6.24898G	-7.45	6.4668G	-53.68	-47.45	-6.23	8

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_8TX
MASK
6345MHz_TX

17/02/2025



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.28042G	-4.55	6.088G	-52.56	-44.55	-8.01	1
6.28002G	-4.54	6.0962G	-52.27	-44.54	-7.73	2
6.36819G	-4.91	6.0886G	-51.96	-44.91	-7.05	3
6.345G	-2.67	6.079G	-52.17	-42.67	-9.50	4
6.27802G	-4.81	6.0838G	-51.20	-44.81	-6.39	5
6.28062G	-3.58	6.0946G	-51.11	-43.58	-7.53	6
6.27962G	-4.69	6.0968G	-50.78	-44.60	-6.18	7
6.27782G	-5.38	6.0772G	-52.35	-45.38	-6.97	8