Testing Laboratory
3787

RADIO TEST REPORT

FCC ID	:	QDS-BRCM1097
Equipment	:	802.11 a/ax WLAN Router
Brand Name	:	Broadcom
Model Name	:	BCM94912REF1D
Applicant	:	Broadcom Corporation 270 Innovation Drive San Jose California USA
Manufacturer	:	Broadcom Corporation 270 Innovation Drive San Jose California USA
Standard	:	47 CFR FCC Part 15.407

The product was received on May 05, 2023, and testing was started from May 29, 2023 and completed on Nov. 30, 2023. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

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

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History of this test report

Report No.	Version	Description	Issued Date
FR350423AA	01	Initial issue of report	Nov. 01, 2023
FR350423AA	02	1. Remove the un-necessary note of Appendix C.1/C.2/D.1/D.2 2. Update the test result of Standard power 6185MHz for Appendix B.1/E.3 3. Remove the un-necessary information of summary and result of Appendix E.3	Nov. 13, 2023
FR350423AA	03	Update the related test result due to degrading the Standard power.	Nov. 22, 2023
FR350423AA	04	1. Adding Test Result of 802.11a mode on Appendix B~E. 2. Adding the Channel Bandwidth Reduction Mechanism for section1.1.4	Dec. 04, 2023

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	-
3.4	15.407(a)	Peak Power Spectral Density (E.I.R.P.)	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-
3.6	15.407(d)	Contention-Based Protocol	PASS	-

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Sam Chen
Report Producer: 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	a, 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	802.11a	20	4TX
5.925-6.425GHz	802.11ax HEW20	20	4TX
5.925-6.425GHz	802.11ax HEW40	40	4TX
5.925-6.425GHz	802.11ax HEW80	80	4TX
5.925-6.425GHz	802.11ax HEW160	160	4TX

Note:
- 11a use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- 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	MAG. LAYERS	EDA-1410-6G0R2-A2-RT	Dipole Antenna	I-PEX	6.87
2	2	MAG. LAYERS	EDA-1410-6G0R2-A2-RT	Dipole Antenna	I-PEX	
3	3	MAG. LAYERS	EDA-1410-6G0R2-A2-RT	Dipole Antenna	I-PEX	
4	4	MAG. LAYERS	EDA-1410-6G0R2-A2-RT	Dipole Antenna	I-PEX	

Note: The above information was declared by manufacturer.

For 6GHz function:
For IEEE 802.11a/ax (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

For Standard Power Device:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.952	0.21	2.065m	1k
802.11ax HEW20	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.967	0.15	787.5u	3k
802.11ax HEW80	0.925	0.34	407.5u	3k
802.11ax HEW160	0.899	0.46	242.5u	10k

For Low Power Indoor Device:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.952	0.21	2.065m	1k
802.11ax HEW20	0.983	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.967	0.15	787.5u	3k
802.11ax HEW80	0.939	0.27	407.5u	3k
802.11ax HEW160	0.9	0.46	245u	10k

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Device Type	☒	Indoor Access Point	☐	Subordinate
	☐	Indoor Client	☒	Standard Power Access Point
	☐	Dual Client	☐	Standard Client
	☐	Fixed Client		
Channel Puncturing Function	☐	Supported	☒	Unsupported
Channel Bandwidth Reduction Mechanism	☐	Reduce Bandwidth	☒	Incumbent channel transmission ceases
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	accessMtool(V3.3.0.4)			
Software / Firmware Version for CBP	5.04L.04p2			

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 v02r01
- 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 (For other tests)	TH01-CB	Jay Lo	22.2~23.5 / 69~76	May 29, 2023~ Jun. 20, 2023
RF Conducted (For EBW/Mask of Standard power 6185MHz)	TH01-CB	Jay Lo	20.8~21.8 / 65~69	Nov. 09, 2023
RF Conducted (Degraded the Standard power)	TH01-CB	Jay Lo	20.6~20.9 / 66~67	Nov. 20, 2023
RF Conducted (For other tests_ 802.11a mode)	TH01-CB	Jay Lo	20.2~21.5 / 63~67	Nov. 29, 2023~ Nov. 30, 2023
RF Radiated (E.I.R.P. Power/PSD)	03CH04-CB	Gordon Hung	22.3~22.9 / 57~63	May 29, 2023~ Jun. 02, 2023
Radiated (For other tests)	03CH04-CB	Gordon Hung	22.3~22.9 / 57~63	May 29, 2023~ Jun. 02, 2023
Radiated (Above 1GHz_ 802.11a mode)	03CH02-CB	Gordon Hung	22.5~22.9 / 55~61	Nov. 29, 2023~ Nov. 30, 2023
AC Conduction	CO02-CB	Peter Wu	24~25 / 58~59	Aug. 28, 2023
RF Conducted (Contention-Based Protocol test)	DF02-CB	Edmund Tsai	22.2~23.2 / 64~68	Aug. 25, 2023

1.4 Measurement Uncertainty

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

Test Date: Date Before May 31, 2023

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

Test Date: Date After Jun. 01, 2023

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 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	2.2%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

For Standard Power Device:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5955MHz	88
6195MHz	88
6415MHz	90
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5955MHz	88
6195MHz	97
6415MHz	92
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5965MHz	85
6205MHz	108
6405MHz	94
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5985MHz	83
6225MHz	100
6385MHz	94
802.11ax HEW160_Nss1,(MCS0)_4TX	-
6025MHz	76
6185MHz	81
6345MHz	81

For Low Power Indoor Device:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5955MHz	17
6195MHz	18
6415MHz	18
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5955MHz	32
6195MHz	33
6415MHz	29
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5965MHz	39
6205MHz	34
6405MHz	40

Mode	Power Setting
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5985MHz	48
6225MHz	48
6385MHz	52
802.11ax HEW160_Nss1,(MCS0)_4TX	-
6025MHz	59
6185MHz	54
6345MHz	57

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 + CTX 6GHz

The Worst Case Mode for Following Conformance Tests		
Tests Item	Emission Bandwidth	
Test Condition	Conducted measurement at transmit chains	
Operating Mode	1	Standard Power Device
	2	Low Power Indoor Device

The Worst Case Mode for Following Conformance Tests		
Tests Item	Contention Based Protocol	
Test Condition	Conducted measurement at transmit chains	
Operating Mode	1	Low Power Indoor Device

The Worst Case Mode for Following Conformance Tests		
Tests Item	Maximum Equivalent Isotopically Radiated Power (E.I.R.P.) Peak Power Spectral Density (E.I.R.P.)	
Test Condition	Radiated measurement	
	After evaluating, the worst case was found at Z axis. So the measurement will follow this same test configuration.	
Operating Mode	1	Standard Power Device
	2	Low Power Indoor Device

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 Z axis. So the measurement will follow this same test configuration.
1	EUT in Z-axis + CTX 6GHz
Operating Mode > 1GHz	CTX
	After evaluating, the worst case was found at Z axis. So the measurement will follow this same test configuration.
1	EUT in Z-axis + CTX 6GHz

Note：The test item is performed with the Maximum setting.

The Worst Case Mode for Following Conformance Tests		
Tests Item	Emission MASK	
Test Condition	Conducted measurement at transmit chains	
Operating Mode	1	Standard Power Device
	2	Low Power Indoor Device

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 6GHz
Refer to Sporton Test Report No.: FA350423 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories				
Equipment Name	**Brand Name**	**Model Name**	**Rating**	**DC Power Line**
Adapter	FSP	FSP065-REB	INPUT: 100-240V~, 1.5A, 50-60Hz OUTPUT: 19V, 3.42A	Non-shielded, 1.5m
Other				
Power cord*1, Non-shielded, 0.9m				

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN NB	DELL	E6430	N/A
B	Flash disk3.0	Transcend	JetFlash-700	N/A
C	Flash disk3.0	Transcend	JetFlash-700	N/A

For Radiated and RF Conducted (Other tests):

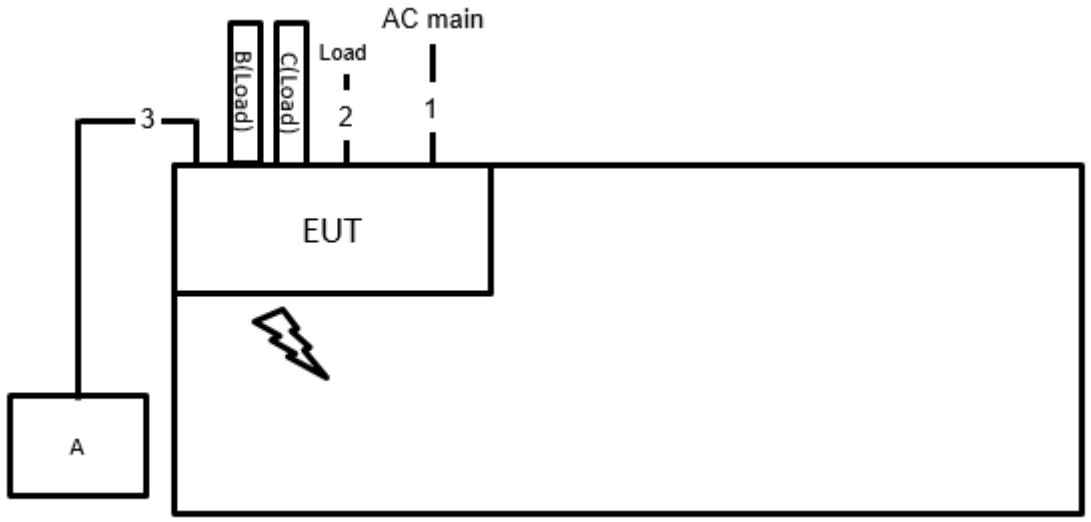
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A

For RF Conducted (Contention Based Protocol test):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E6430	N/A
C	WLAN module	Intel	AX210NGW	PD9AX210NG

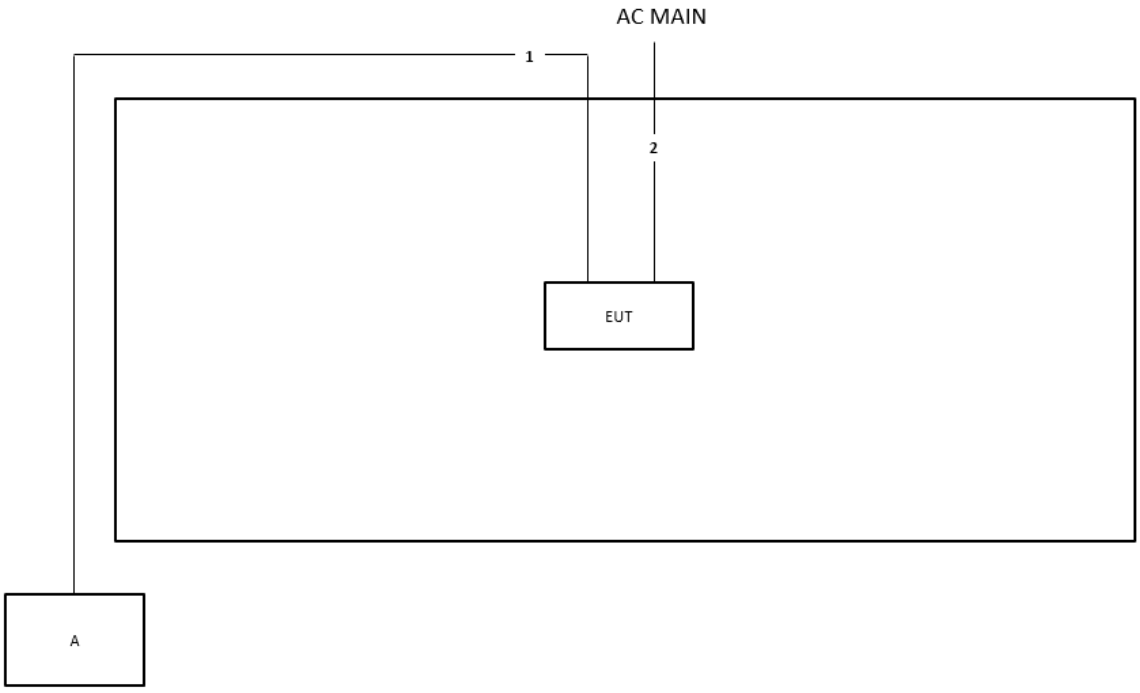
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	Power cable	No	2.4m
2	RJ-45 cable*4	No	1m
3	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	2.4m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

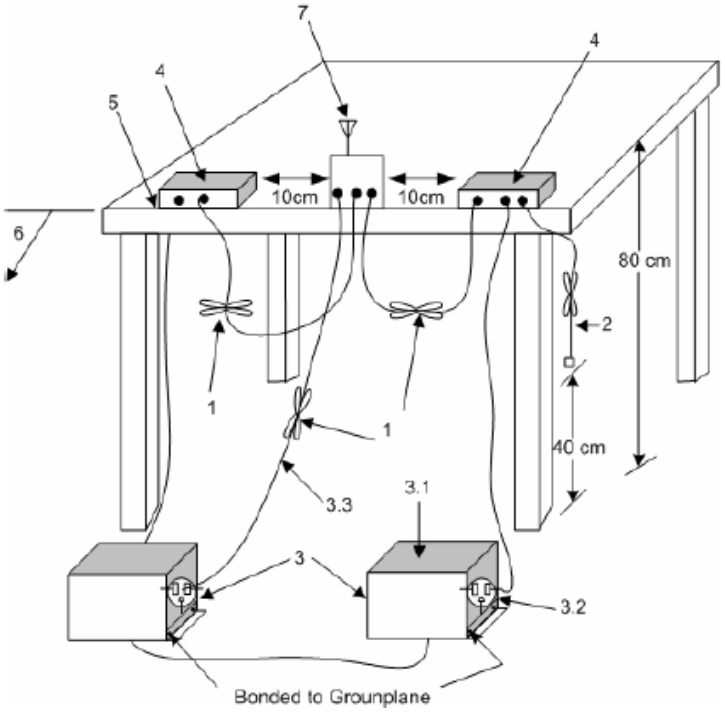
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

a. Corrected Reading (dBuV) = LISN Factor + Cable Loss + Read Level = Level

b. 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
☒ For the 5925-6425 GHz band, N/A
☐ For the 6425-6525 GHz band, N/A
☐ For the 6525-6875 GHz band, N/A
☐ For the 6875-7125 GHz band, N/A
RLAN Devices
☐ For the 5925-6425 GHz band, N/A
☐ For the 6425-6525 GHz band, N/A
☐ For the 6525-6875 GHz band, N/A
☐ For the 6875-7125 GHz band, N/A

3.2.2 Measuring Instruments

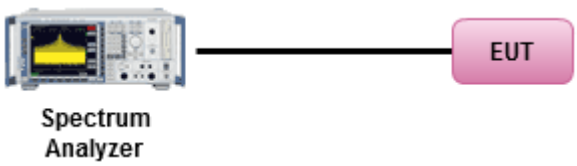
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
	☒ 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.
	☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
	☐ Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth



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	
☒	For the 5.925 ~ 6.425 GHz band:
	▪ 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 the 6.425 ~ 6.525 GHz band:
	▪ 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.
☐	For the 6.525 ~ 6.875 GHz band:
	▪ 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 the 6.875 ~ 7.125 GHz band:
	▪ 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	
☐	For the 5.925 ~ 7.125 GHz band:
	▪ For low-power indoor access-points & indoor subordinate devices < 30 dBm .
	▪ For low-power client devices < 24 dBm.
☐	For the 5.925 ~ 6.875 GHz band:
	▪ For standard-power access points & fixed client devices < 36 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	
▪ According to FCC KDB 987594 D02 clause II.E, the test measurement procedure shall refer to KDB 789033.	
	Average over on/off periods with duty factor
	☒ 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.
	☐ 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
	☐ Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
☐ For conducted measurement.	
	▪ 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: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$
☒ For radiated measurement.	
	▪ 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.

Note :
The test is the final test result, It includes antenna /cable loss factor & FSL factor.
The EIRP calculation refer to "KDB 412172 D01 Determining ERP and EIRP v01r01"
EIRP Formula :

EIRP(dBm) = PR(dBm) + LP(FSL factor)

where;
PR(dBm) : Power measurement level include antenna/cable loss
LP : Free Space Loss(dB)

PR Formula :
PR(dBm) = P Meas(dBm) – GR(dBi) + LC(dB)
where;
P Meas(dBm) : Power measurement level
GR(dBi) : Gain of the receive(measurement) antenna (dBi)
LC(dB) : Measurement cable loss (dB)

LP(FSL factor) Formula :
LP(dB)= 20 logF + 20 logD-27.54
where;
F(MHz) : EUT center frequency
D(m) : Measurement distance

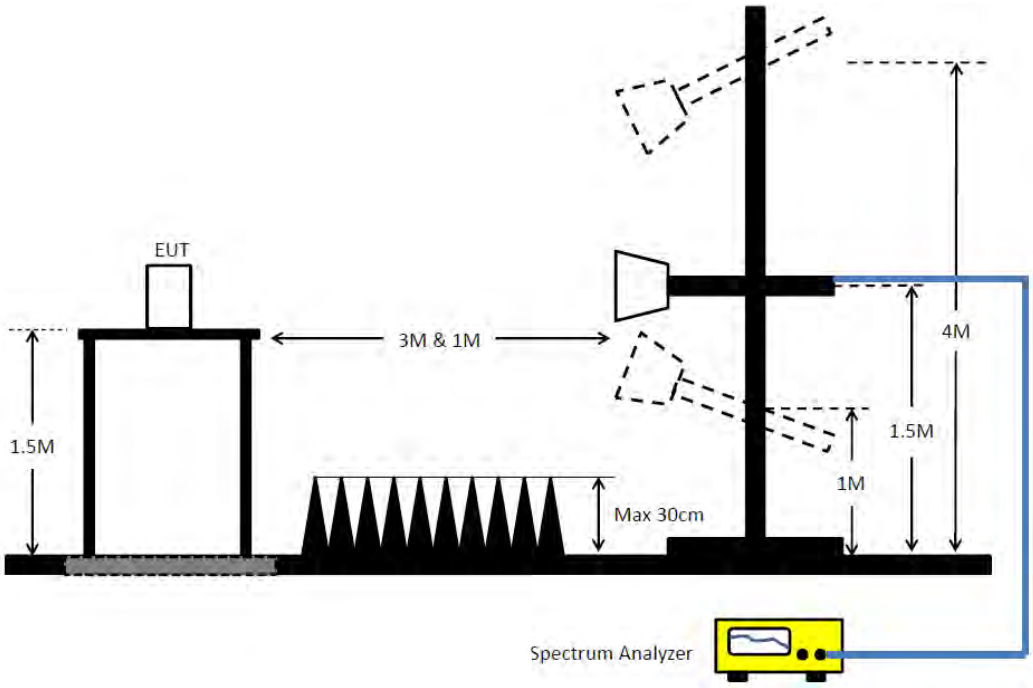
For Example:
Test mode LPI Non TXBF ax20 5955MHz EIRP measurement
PR Formula :
PR(dBm)= -40.24 - 10.21 + 5.48 = -44.97

LP(FSL factor) Formula :
LP(dB) = 20log(5955) + 20log(3) -27.5= 57.54

EIRP Formula :
EIRP(dBm) = -44.97 + 57.54 = 12.57

3.3.4 Test Setup

Radiated Measurement



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	
☒	For the 5.925 ~ 6.425 GHz band:
	▪ 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 the 6.425 ~ 6.525 GHz band:
	▪ 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.
☐	For the 6.525 ~ 6.875 GHz band:
	▪ 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 the 6.875 ~ 7.125 GHz band:
	▪ 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	
☐	For the 5.925 ~ 7.125 GHz band:
	▪ For low-power indoor access-points & indoor subordinate devices < 5 dBm / MHz.
	▪ For low-power client devices < -1 dBm / MHz.
☐	For the 5.925 ~ 6.875 GHz band:
	▪ 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	
▪ 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:	
	☐ Refer as FCC KDB 789033 D02, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
	[duty cycle ≥ 98% or external video / power trigger]
	☒ Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).
	☐ 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
	☒ Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
	☐ Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
☐ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below:
	☐ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
	☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
	☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
	▪ If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$
☒ For radiated measurement.	
	▪ 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.

Note :
The test is the final test result, It includes antenna /cable loss factor & FSL factor.
The EIRP PSD calculation refer to "KDB 412172 D01 Determining ERP and EIRP v01r01"
EIRP PSD Formula :
EIRP PSD(dBm/MHz) = PR(dBm/MHz) + LP(FSL factor)
where;
PR(dBm/MHz) : Power measurement level include antenna/cable loss
LP : Free Space Loss(dB)

PR Formula :
PR(dBm/MHz) = P Meas(dBm/MHz) – GR(dBi) + LC(dB)
where;
P Meas(dBm/MHz) : PSD measurement level
GR(dBi) : Gain of the receive(measurement) antenna (dBi)
LC(dB) : Measurement cable loss (dB)

LP(FSL factor) Formula :
LP(dB)= 20 logF + 20 logD-27.54
where;
F(MHz) : EUT center frequency
D(m) : Measurement distance

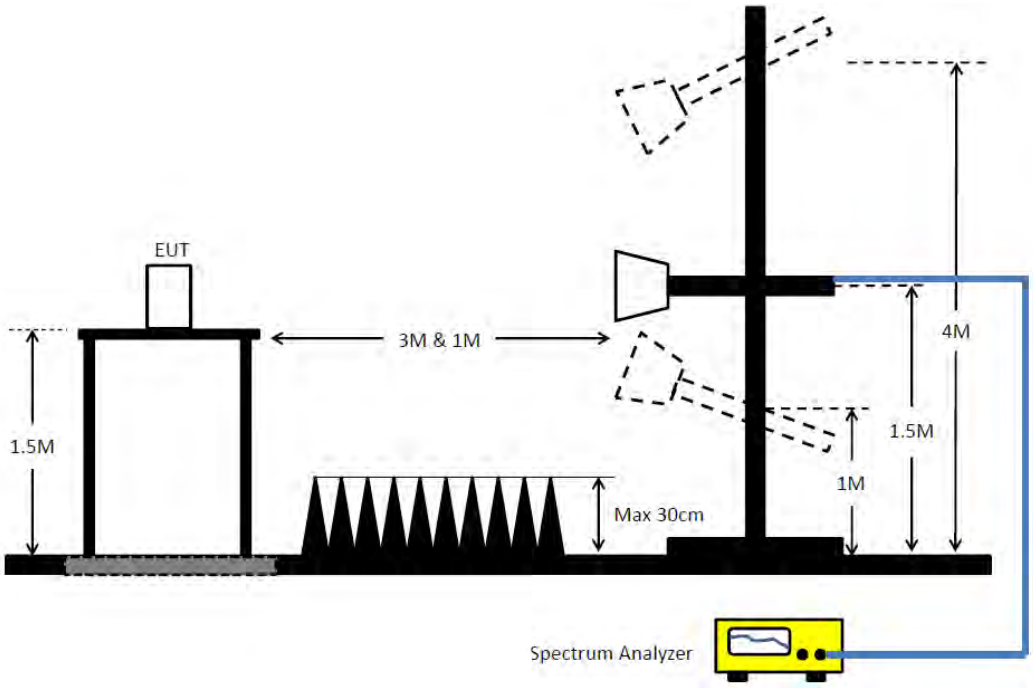
For Example:
Test mode LPI Non TXBF ax20 5955MHz EIRP PSD measurement
PR Formula :
PR(dBm/MHz)= -47.91 - 10.21 + 5.48 = -52.64

LP(FSL factor) Formula :
LP(dB) = 20log(5967.64) + 20log(3) -27.5 = 57.54

EIRP PSD Formula
EIRP PSD(dBm/MHz) = -52.64 + 57.54 = 4.90

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

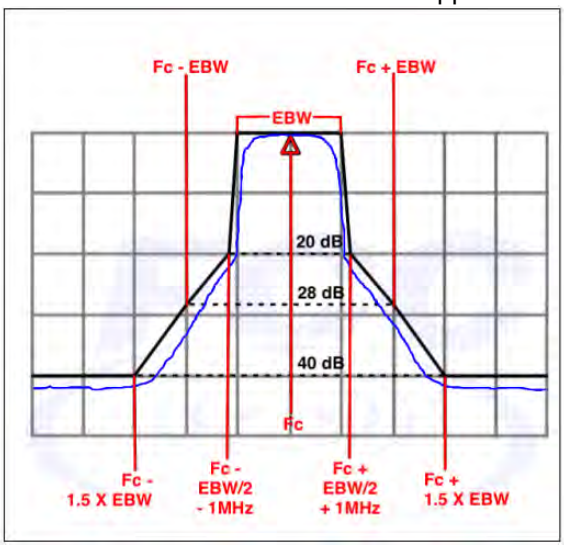
Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216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

Un-restricted band emissions above 1GHz Limit	
Frequency	**Limit**
Any outside the 5.945 – 7.125 GHz emission	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
	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 x log (standard distance/ test distance) = 20log(3/1) = 9.54dB. EX. Above 18GHz emission limit calculation (3m to 1m) = 68.2dBuV/m at 3m + 9.54dB = 77.74 dBuV/m at 1m. Note 2:-27 dBm EIRP OOBE 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.

Frequency	Emission MASK Limit
5.945 – 7.125 GHz	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. 

3.5.2 Measuring Instruments

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

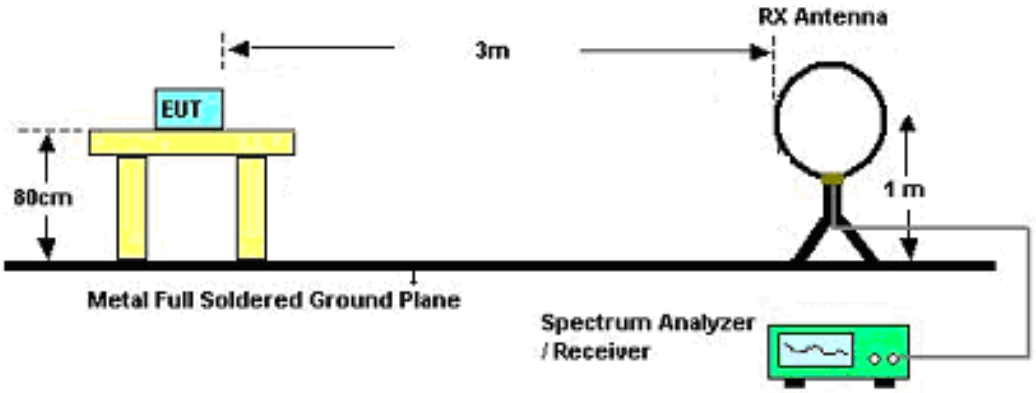
3.5.3 Test Procedures

Test Method
▪ 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).
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
▪ For the transmitter unwanted emissions shall be measured using following options below:
▪ Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.
▪ Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.
☒ Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging). (For unrestricted band measurement)
☐ Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
☒ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.(For restricted band average measurement)
☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
☒ Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
▪ Refer as FCC KDB 789033 D02, clause G)3)d)ii) for Band edge Integration measurements.
▪ For emission MASK shall be measured using following options below:
☒ Refer as FCC KDB 987594 D02, J) In-Band Emissions
▪ For radiated measurement.
▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
▪ The any unwanted emissions level shall not exceed the fundamental emission level.
▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

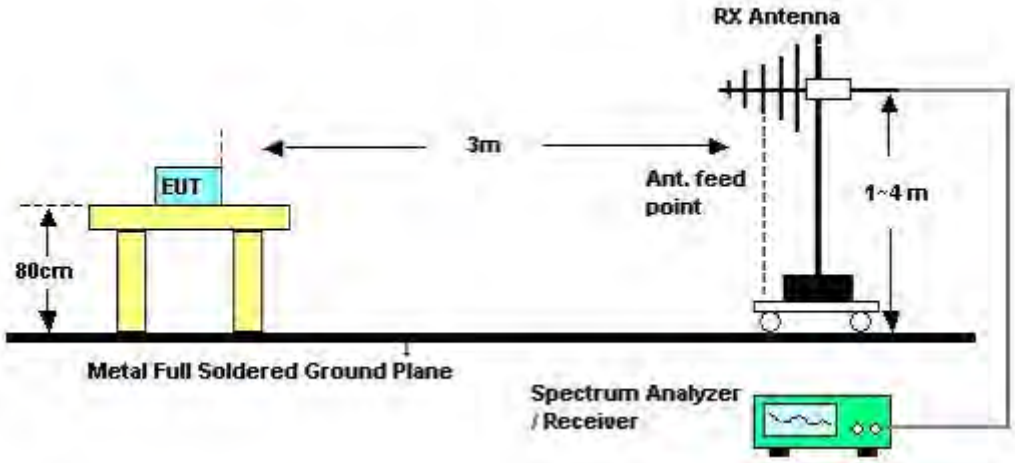
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

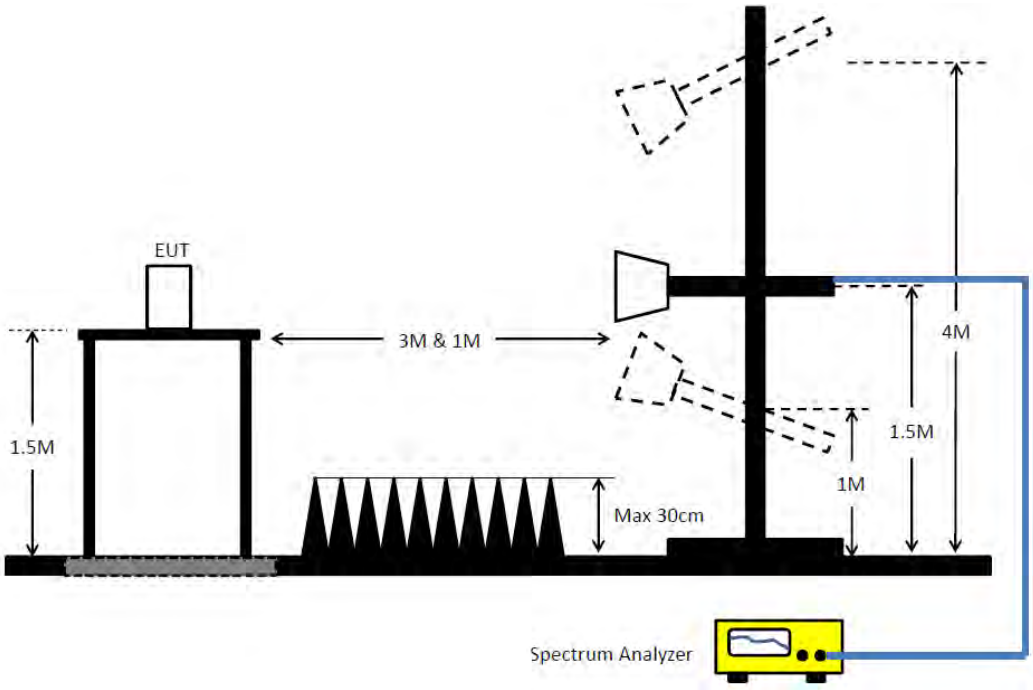
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



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

3.6 Contention Based Protocol

3.6.1 Contention Based Protocol Limit

EUT can detect an AWGN signal with 90% (or better) level of certainty.

3.6.2 Measuring Instruments

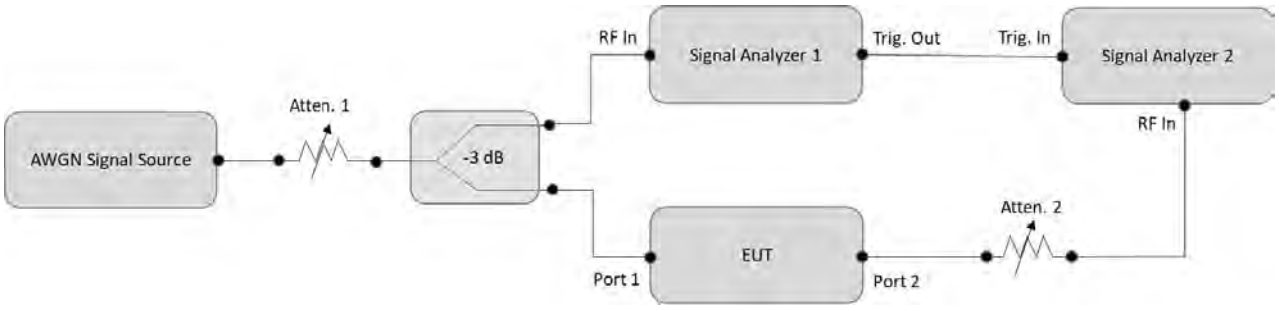
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method	
▪	For Contention Based Protocol shall be measured using following options below:
☒	Refer as FCC KDB 987594 D02, I) Contention Based Protocol.

3.6.4 Test Setup

Contention Based Protocol



3.6.5 Test Result of Contention Based Protocol

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Apr. 06, 2023	Apr. 05, 2024	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 20, 2022	Dec. 19, 2023	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 18, 2023	May 17, 2024	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO02-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 23, 2023	Mar. 22, 2024	Radiation (03CH04-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH04-CB	30 MHz ~ 1 GHz	Aug. 02, 2022	Aug. 01, 2023	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 23, 2023	Feb. 22, 2024	Radiation (03CH04-CB)
BILOG ANTENNA with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	22021&AT-N06 07	30MHz ~ 1GHz	Oct. 08, 2022	Oct. 07, 2023	Radiation (03CH04-CB)
Horn Antenna	ETS·Lindgren	3115	00143147	750MHz~ 18GHz	Oct. 12, 2022	Oct. 11, 2023	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH04-CB)
Pre-Amplifier	EMCI	EMC330N	980391	20MHz ~ 3GHz	May 23, 2023	May 22, 2024	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 21, 2023	Mar. 20, 2024	Radiation (03CH04-CB
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+67	30MHz – 1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 25, 2023	Mar. 24, 2024	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Dec. 05, 2022	Dec. 04, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 29, 2023	May 28, 2024	Conducted (TH01-CB)
Band Rejector	MTJ	6G Band Rejector	CB6G-BRJ-01	1GHz ~ 7.4GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH01-CB)
Band Rejector	MTJ	6G Band Rejector	6G-BRJ-01	1 ~ 18GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)
Band Rejector	MTJ	6G Band Rejector	CB6G-BRJ-02	1GHz ~ 8GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH01-CB)
Band Rejector	MTJ	6G Band Rejector	6G-BRJ-02	1~ 18GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1 GHz – 26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)
Spectrum Analyzer	R&S	FSV40	101025	9kHz ~ 40GHz	Oct. 28, 2022	Oct. 27, 2023	Conducted (DF02-CB)
Vector Signal generator	R&S	SMU200A	105352	25MHz-6GHz	Jul. 17, 2023	Jul. 16, 2024	Conducted (DF02-CB)
Vector Signal generator	R&S	SMW200A	109426	100kHz- 7.5GHz	Dec. 29, 2022	Dec. 28, 2023	Conducted (DF02-CB)
RF Power Divider	STI	2 Way	DV-2way -05	1GHz ~ 8GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (DF02-CB)
RF Power Divider	STI	2 Way	DV-2way -06	1GHz ~ 8GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (DF02-CB)
RF Power Divider	STI	2 Way	DV-2way -07	1GHz ~ 8GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (DF02-CB)
RF Power Divider	STI	2 Way	DV-2way -08	1GHz ~ 8GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	High Cable-60	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	High Cable-61	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (DF02-CB)

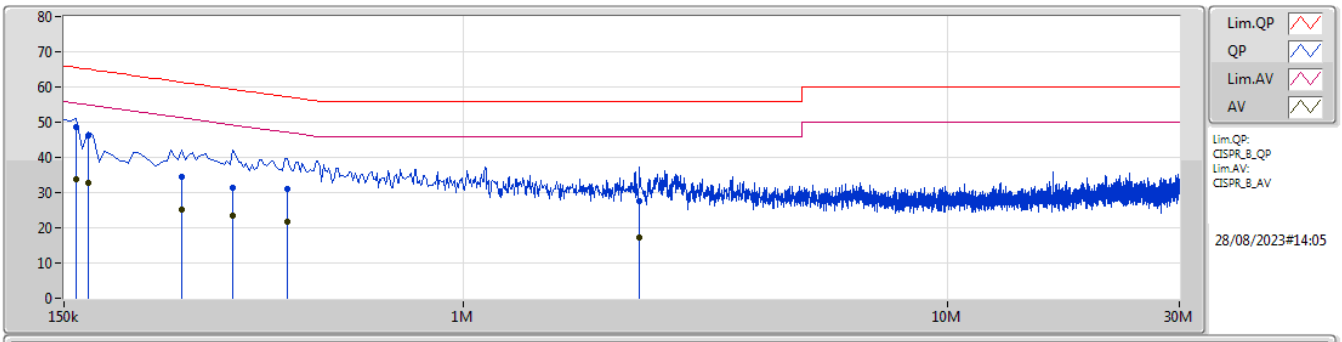
Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-62	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	High Cable-63	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	High Cable-66	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (DF02-CB)

Note: Calibration Interval of instruments listed above is one year.
NCR means Non-Calibration required.

Summary

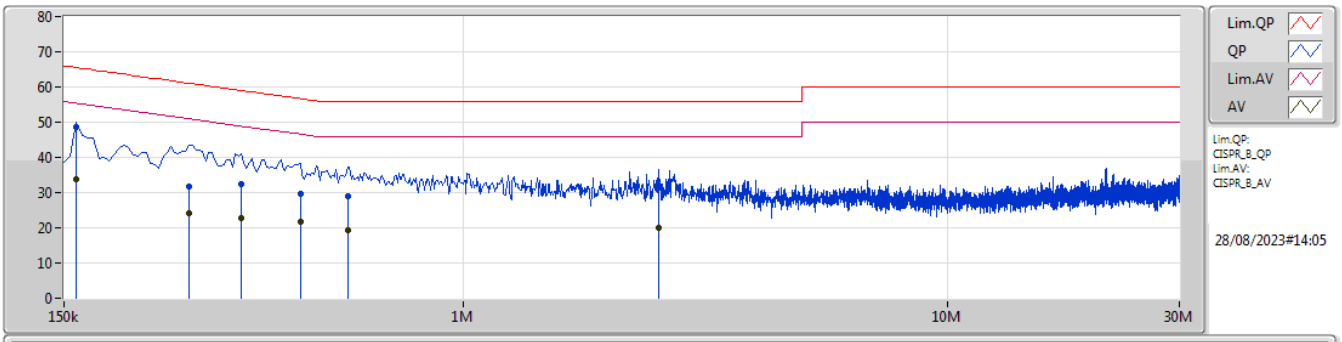
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	159k	48.75	65.52	-16.77	Line

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159k	48.75	65.52	-16.77	10.22	Line	"Worst"	38.53	0.04	0.09	10.09
AV	159k	33.78	55.52	-21.74	10.22	Line	-	23.56	0.04	0.09	10.09
QP	168k	46.10	65.06	-18.96	10.21	Line	-	35.89	0.04	0.09	10.08
AV	168k	32.64	55.06	-22.42	10.21	Line	-	22.43	0.04	0.09	10.08
QP	262.5k	34.61	61.35	-26.74	10.21	Line	-	24.40	0.04	0.13	10.04
AV	262.5k	25.23	51.35	-26.12	10.21	Line	-	15.02	0.04	0.13	10.04
QP	334.5k	31.47	59.35	-27.88	10.20	Line	-	21.27	0.04	0.14	10.02
AV	334.5k	23.53	49.35	-25.82	10.20	Line	-	13.33	0.04	0.14	10.02
QP	433.5k	31.02	57.19	-26.17	10.19	Line	-	20.83	0.04	0.15	10.00
AV	433.5k	21.64	47.19	-25.55	10.19	Line	-	11.45	0.04	0.15	10.00
QP	2.306M	27.58	56.00	-28.42	10.10	Line	-	17.48	0.08	0.19	9.83
AV	2.306M	17.30	46.00	-28.70	10.10	Line	-	7.20	0.08	0.19	9.83

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159k	48.64	65.52	-16.88	10.23	Neutral	"Worst"	38.41	0.05	0.09	10.09
AV	159k	33.79	55.52	-21.73	10.23	Neutral	-	23.56	0.05	0.09	10.09
QP	271.5k	31.65	61.07	-29.42	10.22	Neutral	-	21.43	0.05	0.13	10.04
AV	271.5k	24.02	51.07	-27.05	10.22	Neutral	-	13.80	0.05	0.13	10.04
QP	348k	32.51	59.00	-26.49	10.21	Neutral	-	22.30	0.05	0.14	10.02
AV	348k	22.87	49.00	-26.13	10.21	Neutral	-	12.66	0.05	0.14	10.02
QP	460.5k	29.67	56.69	-27.02	10.19	Neutral	-	19.48	0.05	0.15	9.99
AV	460.5k	21.73	46.69	-24.96	10.19	Neutral	-	11.54	0.05	0.15	9.99
QP	577.5k	29.11	56.00	-26.89	10.18	Neutral	-	18.93	0.05	0.16	9.97
AV	577.5k	19.30	46.00	-26.70	10.18	Neutral	-	9.12	0.05	0.16	9.97
QP	2.526M	31.27	56.00	-24.73	10.11	Neutral	-	21.16	0.09	0.19	9.83
AV	2.526M	19.86	46.00	-26.14	10.11	Neutral	-	9.75	0.09	0.19	9.83

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	37.675M	19.056M	19M1D1D	28.325M	17.24M
802.11ax HEW20_Nss1,(MCS0)_4TX	48.84M	21.864M	21M9D1D	22.165M	19.115M
802.11ax HEW40_Nss1,(MCS0)_4TX	146.96M	80.21M	80M2D1D	41.58M	37.831M
802.11ax HEW80_Nss1,(MCS0)_4TX	293.48M	167.416M	167MD1D	83.16M	77.361M
802.11ax HEW160_Nss1,(MCS0)_4TX	314.6M	158.121M	158MD1D	214.28M	156.722M

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

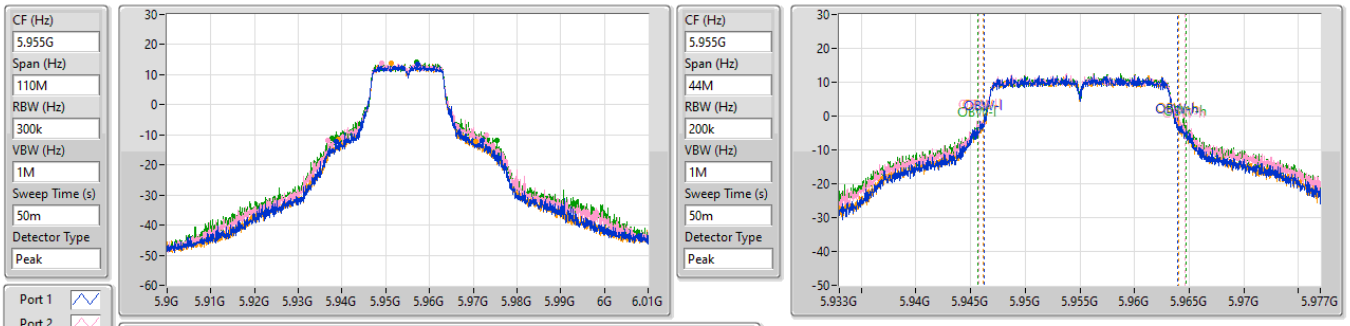
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	33.495M	17.718M	36.19M	18.865M	37.675M	19.056M	31.405M	17.903M
6195MHz	Pass	Inf	28.655M	17.24M	30.58M	17.434M	28.985M	17.52M	28.325M	17.457M
6415MHz	Pass	Inf	33.495M	17.818M	37.4M	18.914M	37.07M	18.436M	31.185M	17.892M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	26.84M	19.14M	29.205M	19.165M	22.165M	19.14M	26.18M	19.115M
6195MHz	Pass	Inf	48.4M	20.265M	47.3M	20.215M	43.725M	20.09M	45.485M	21.864M
6415MHz	Pass	Inf	37.51M	19.34M	48.84M	19.94M	33.99M	19.29M	39.82M	19.565M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	45.32M	37.881M	41.58M	37.931M	44.11M	37.831M	48.51M	37.881M
6205MHz	Pass	Inf	127.38M	78.661M	133.32M	78.861M	115.94M	77.211M	146.96M	80.21M
6405MHz	Pass	Inf	88.77M	38.481M	89.87M	38.931M	78.76M	38.331M	84.48M	38.681M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	86.24M	77.461M	86.68M	77.361M	83.16M	77.361M	83.6M	77.461M
6225MHz	Pass	Inf	223.52M	142.129M	293.48M	167.416M	225.28M	152.224M	216.48M	145.827M
6385MHz	Pass	Inf	185.46M	78.161M	182.6M	78.361M	174.9M	78.261M	170.94M	78.361M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	214.28M	156.722M	217.8M	157.121M	220M	156.722M	219.12M	156.922M
6185MHz	Pass	Inf	312.4M	158.121M	265.76M	157.721M	253.88M	157.921M	230.12M	157.521M
6345MHz	Pass	Inf	263.12M	157.521M	314.6M	158.121M	314.16M	158.121M	314.16M	158.121M

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_802.11a_Nss1,(6Mbps)_4TX **EBW**

5955MHz

30/11/2023

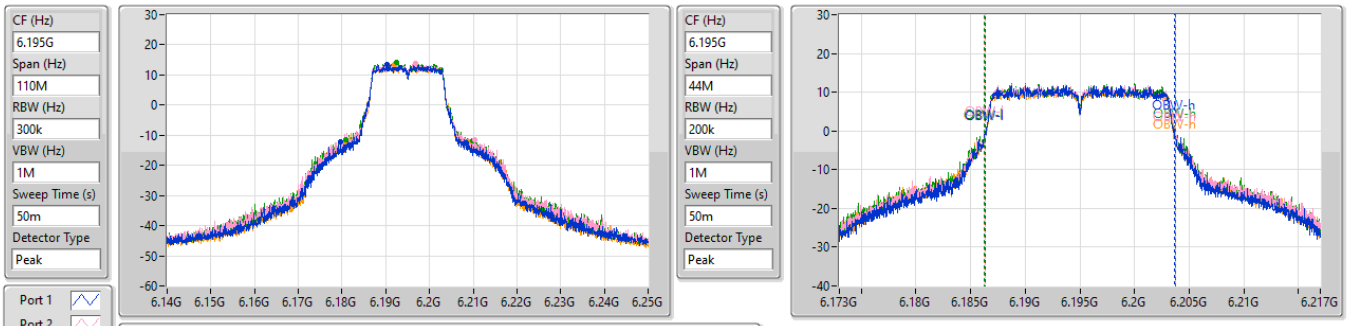


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.495M	5.938665G	5.97216G	17.718M	5.94622G	5.963938G	Inf	1
36.19M	5.936795G	5.972985G	18.865M	5.945769G	5.964634G	Inf	2
37.675M	5.93773G	5.975405G	19.056M	5.945683G	5.964739G	Inf	3
31.405M	5.939105G	5.97051G	17.903M	5.946148G	5.964051G	Inf	4

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

6195MHz

30/11/2023

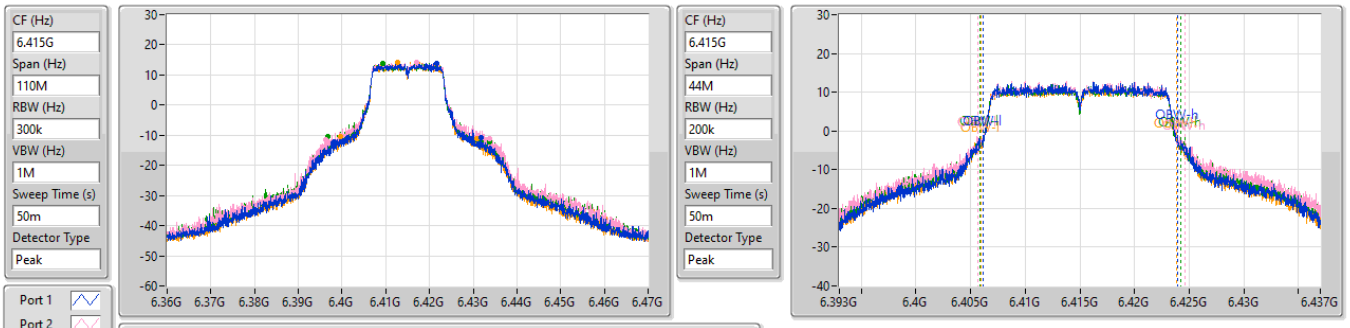


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.655M	6.17971G	6.208365G	17.24M	6.186372G	6.203612G	Inf	1
30.58M	6.179655G	6.210235G	17.434M	6.186308G	6.203742G	Inf	2
28.985M	6.18081G	6.209795G	17.52M	6.186227G	6.203746G	Inf	3
28.325M	6.18059G	6.208915G	17.457M	6.186263G	6.20372G	Inf	4

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

6415MHz

30/11/2023

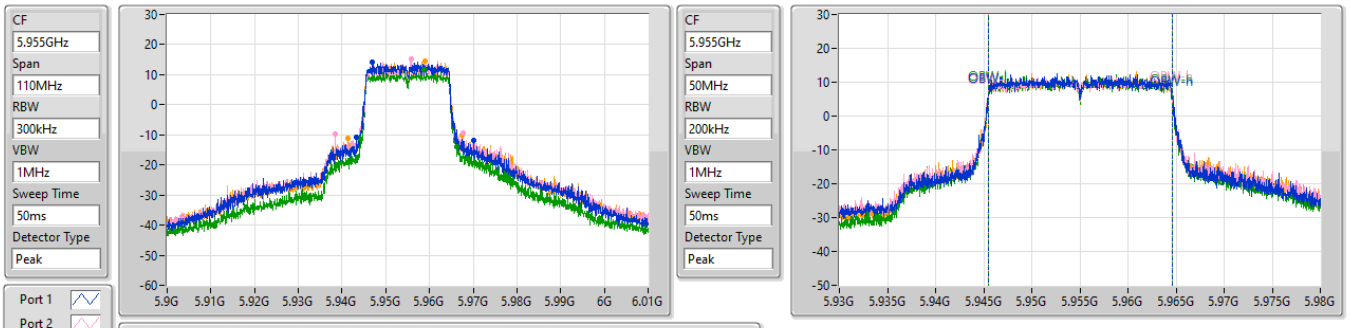


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.495M	6.39828G	6.431775G	17.818M	6.406117G	6.423935G	Inf	1
37.4M	6.3963G	6.4337G	18.914M	6.405677G	6.424591G	Inf	2
37.07M	6.39663G	6.4337G	18.436M	6.405832G	6.424268G	Inf	3
31.185M	6.39971G	6.430895G	17.892M	6.405998G	6.42389G	Inf	4

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

5955MHz

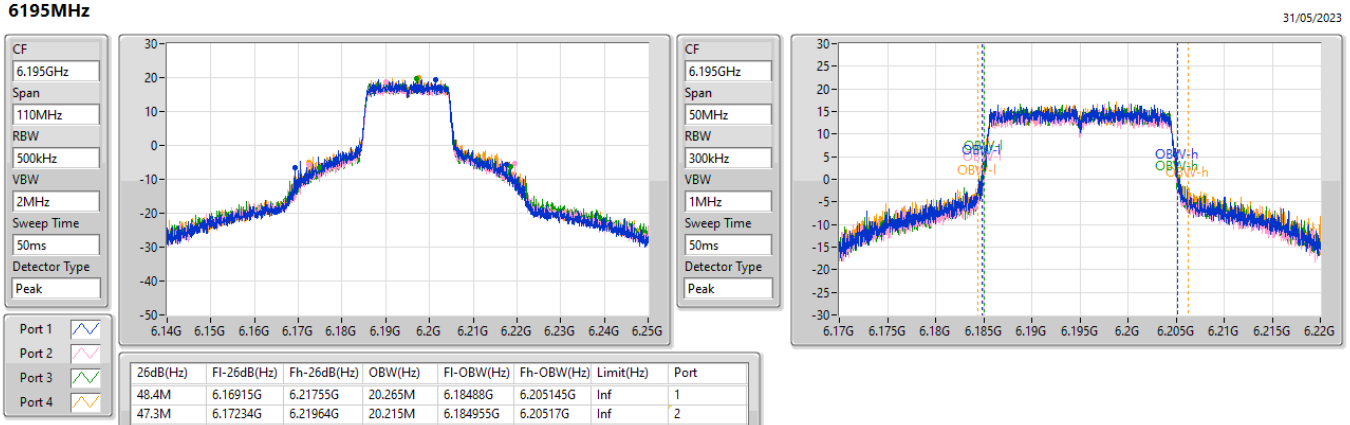
31/05/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.84M	5.943285G	5.970125G	19.14M	5.94548G	5.96462G	Inf	1
29.205M	5.93839G	5.967595G	19.165M	5.945455G	5.96462G	Inf	2
22.165M	5.94411G	5.966275G	19.14M	5.945505G	5.964645G	Inf	3
26.18M	5.94136G	5.96754G	19.115M	5.94548G	5.964595G	Inf	4

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

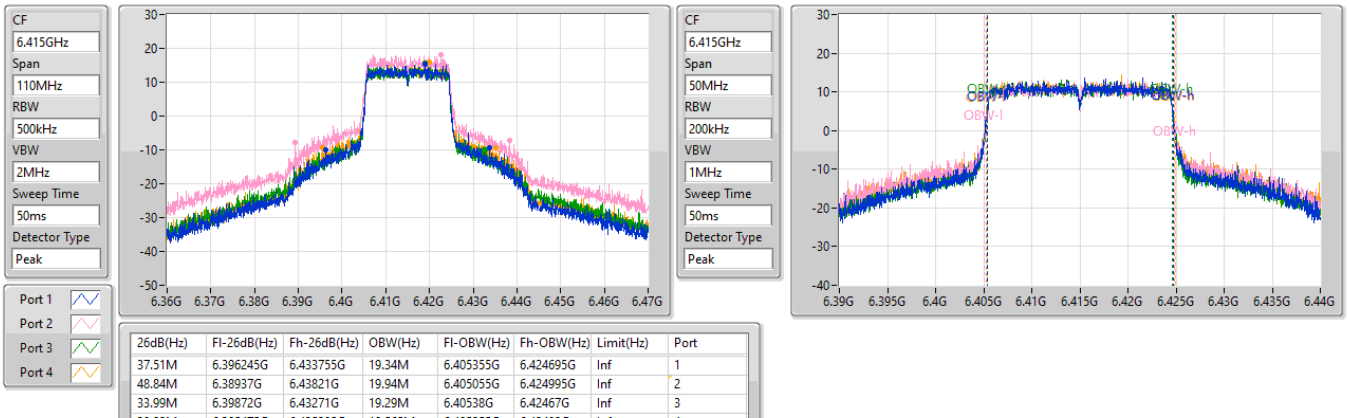
6195MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
48.4M	6.16915G	6.21755G	20.265M	6.18488G	6.205145G	Inf	1
47.3M	6.17234G	6.21964G	20.215M	6.184955G	6.20517G	Inf	2
43.725M	6.174815G	6.21854G	20.09M	6.185055G	6.205145G	Inf	3
45.485M	6.172395G	6.21788G	21.864M	6.184355G	6.206219G	Inf	4

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

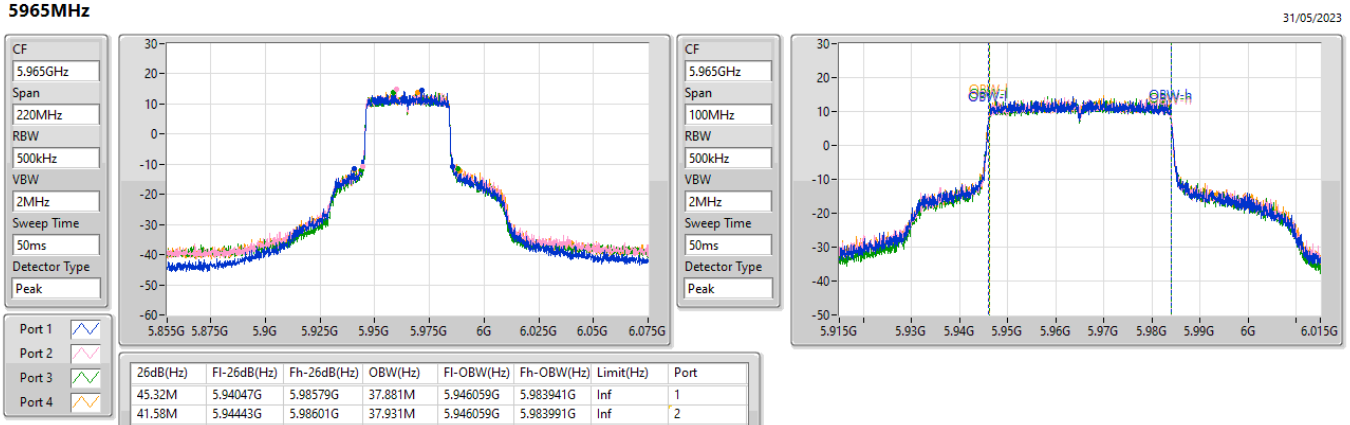
6415MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.51M	6.396245G	6.433755G	19.34M	6.405355G	6.424695G	Inf	1
48.84M	6.38937G	6.43821G	19.94M	6.405055G	6.424995G	Inf	2
33.99M	6.39872G	6.43271G	19.29M	6.40538G	6.42467G	Inf	3
39.82M	6.395475G	6.435295G	19.565M	6.405255G	6.42482G	Inf	4

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

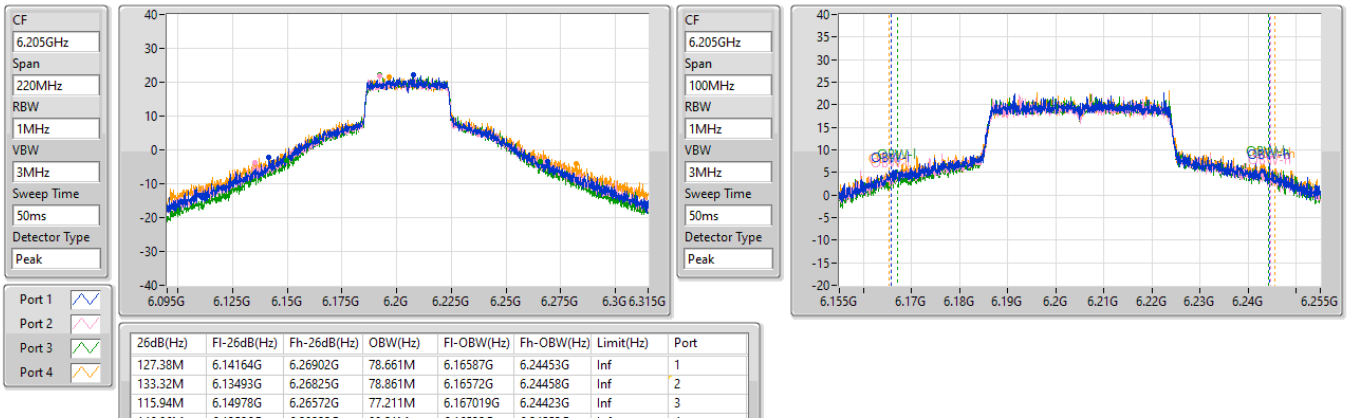
5965MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.32M	5.94047G	5.98579G	37.881M	5.946059G	5.983941G	Inf	1
41.58M	5.94443G	5.98601G	37.931M	5.946059G	5.983991G	Inf	2
44.11M	5.94377G	5.98788G	37.831M	5.946109G	5.983941G	Inf	3
48.51M	5.94036G	5.98887G	37.881M	5.946109G	5.983991G	Inf	4

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

6205MHz

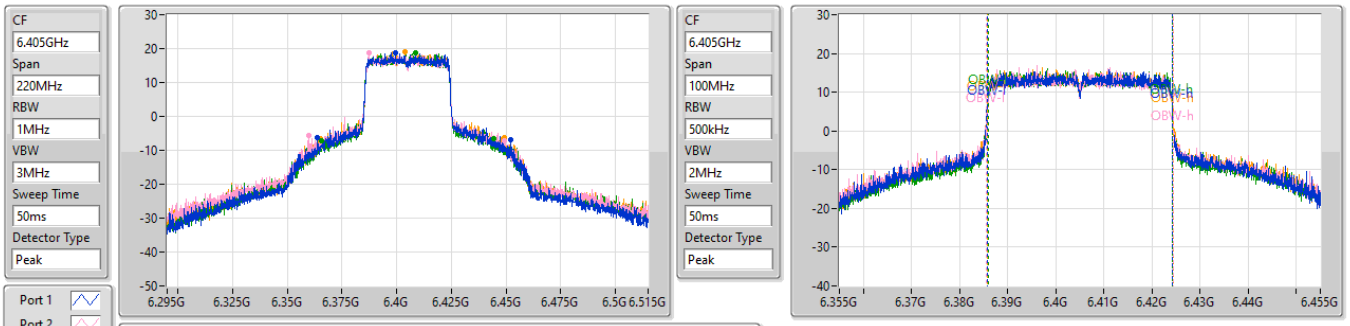


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
127.38M	6.14164G	6.26902G	78.661M	6.16587G	6.24453G	Inf	1
133.32M	6.13493G	6.26825G	78.861M	6.16572G	6.24458G	Inf	2
115.94M	6.14978G	6.26572G	77.211M	6.167019G	6.24423G	Inf	3
146.96M	6.13526G	6.28222G	80.21M	6.16532G	6.24553G	Inf	4

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

6405MHz

31/05/2023

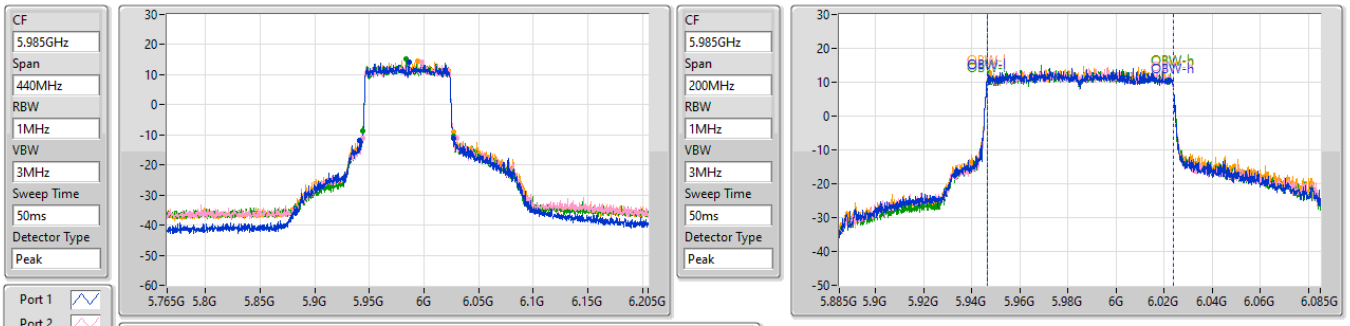


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
88.77M	6.36353G	6.4523G	38.481M	6.38581G	6.42429G	Inf	1
89.87M	6.35957G	6.44944G	38.931M	6.38561G	6.42454G	Inf	2
78.76M	6.36551G	6.44427G	38.331M	6.38591G	6.42424G	Inf	3
84.48M	6.36496G	6.44944G	38.681M	6.38581G	6.42449G	Inf	4

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **EBW**

5985MHz

31/05/2023

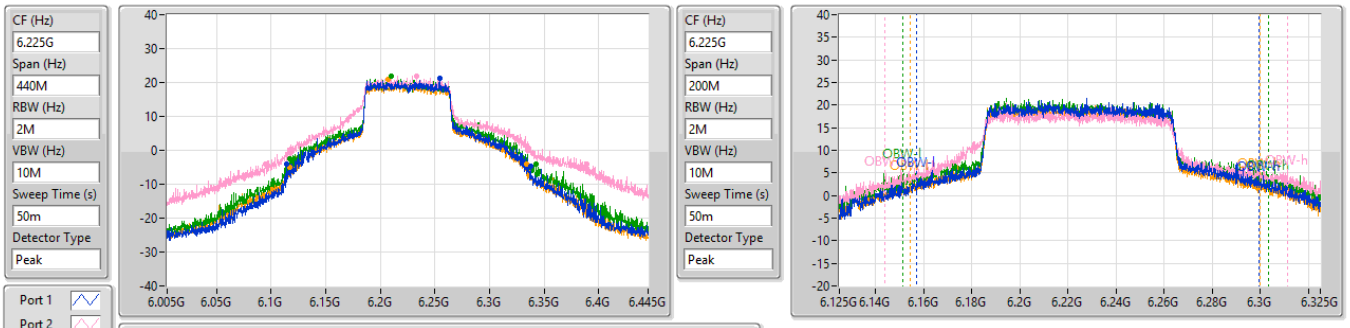


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
86.24M	5.94122G	6.02746G	77.461M	5.946319G	6.023781G	Inf	1
86.68M	5.94364G	6.03032G	77.361M	5.946419G	6.023781G	Inf	2
83.16M	5.94408G	6.02724G	77.361M	5.946419G	6.023781G	Inf	3
83.6M	5.94364G	6.02724G	77.461M	5.946319G	6.023781G	Inf	4

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **EBW**

6225MHz

20/11/2023

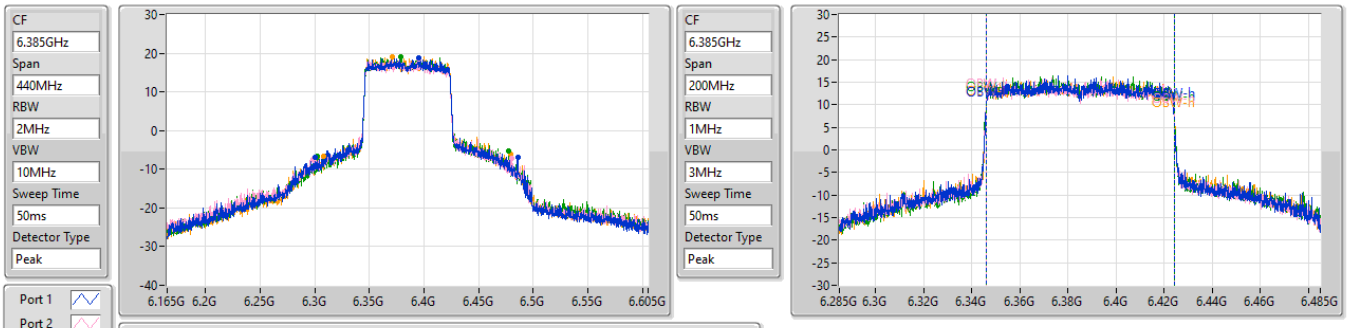


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
223.52M	6.11412G	6.33764G	142.129M	6.157234G	6.299363G	Inf	1
293.48M	6.0952G	6.38868G	167.416M	6.143841G	6.311257G	Inf	2
225.28M	6.1172G	6.34248G	152.224M	6.151437G	6.303661G	Inf	3
216.48M	6.1172G	6.33368G	145.827M	6.154335G	6.300162G	Inf	4

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **EBW**

6385MHz

31/05/2023

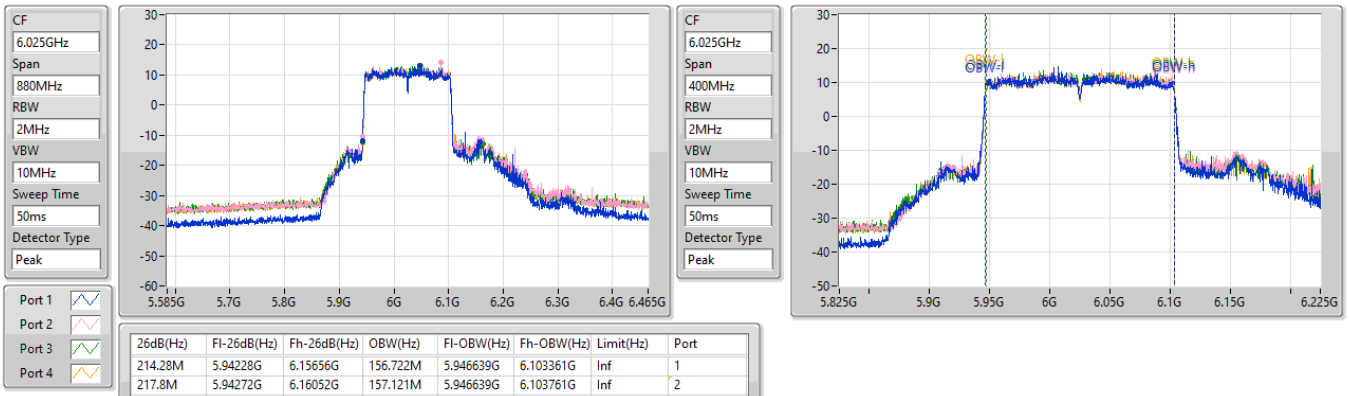


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
185.46M	6.3003G	6.48576G	78.161M	6.346019G	6.42418G	Inf	1
182.6M	6.2981G	6.4807G	78.361M	6.34592G	6.42428G	Inf	2
174.9M	6.30228G	6.47718G	78.261M	6.346019G	6.42428G	Inf	3
170.94M	6.30844G	6.47938G	78.361M	6.346019G	6.42438G	Inf	4

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX **EBW**

6025MHz

31/05/2023

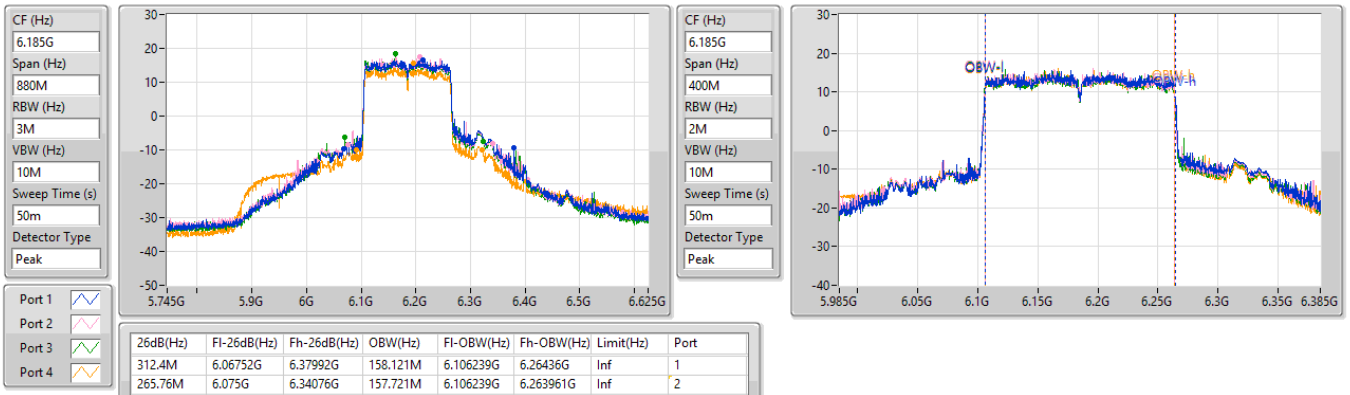


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
214.28M	5.94228G	6.15656G	156.722M	5.946639G	6.103361G	Inf	1
217.8M	5.94272G	6.16052G	157.121M	5.946639G	6.103761G	Inf	2
220M	5.94272G	6.16272G	156.722M	5.946839G	6.103561G	Inf	3
219.12M	5.94272G	6.16184G	156.922M	5.946639G	6.103561G	Inf	4

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX **EBW**

6185MHz

20/11/2023

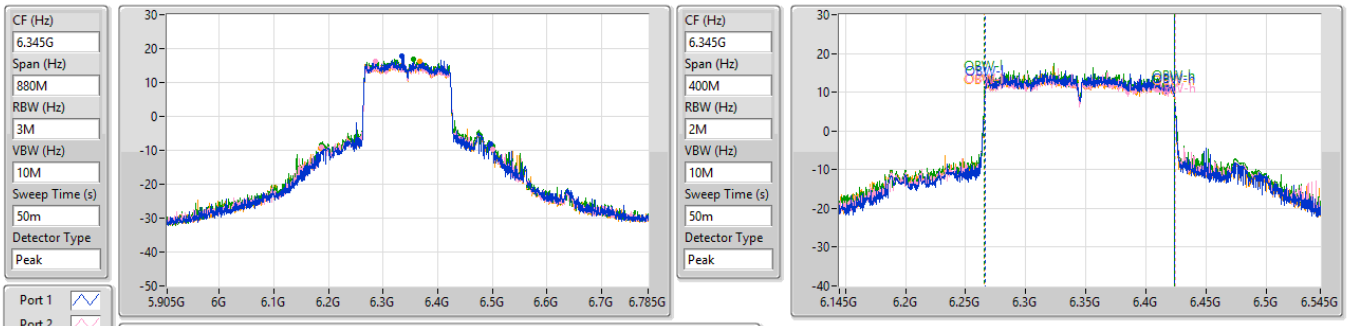


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
312.4M	6.06752G	6.37992G	158.121M	6.106239G	6.26436G	Inf	1
265.76M	6.075G	6.34076G	157.721M	6.106239G	6.263961G	Inf	2
253.88M	6.06972G	6.3236G	157.921M	6.106039G	6.263961G	Inf	3
230.12M	6.09216G	6.32228G	157.521M	6.106239G	6.263761G	Inf	4

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX **EBW**

6345MHz

20/11/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
263.12M	6.23324G	6.49636G	157.521M	6.266239G	6.423761G	Inf	1
314.6M	6.1866G	6.5012G	158.121M	6.266039G	6.42416G	Inf	2
314.16M	6.1866G	6.50076G	158.121M	6.26584G	6.423961G	Inf	3
314.16M	6.18616G	6.50032G	158.121M	6.26584G	6.423961G	Inf	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	24.75M	17M	17M0D1D	21.945M	16.939M
802.11ax HEW20_Nss1,(MCS0)_4TX	24.86M	19.165M	19M2D1D	21.725M	19.065M
802.11ax HEW40_Nss1,(MCS0)_4TX	50.6M	37.931M	37M9D1D	41.47M	37.781M
802.11ax HEW80_Nss1,(MCS0)_4TX	88.22M	77.461M	77M5D1D	82.28M	77.361M
802.11ax HEW160_Nss1,(MCS0)_4TX	165.88M	156.722M	157MD1D	164.12M	156.122M

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

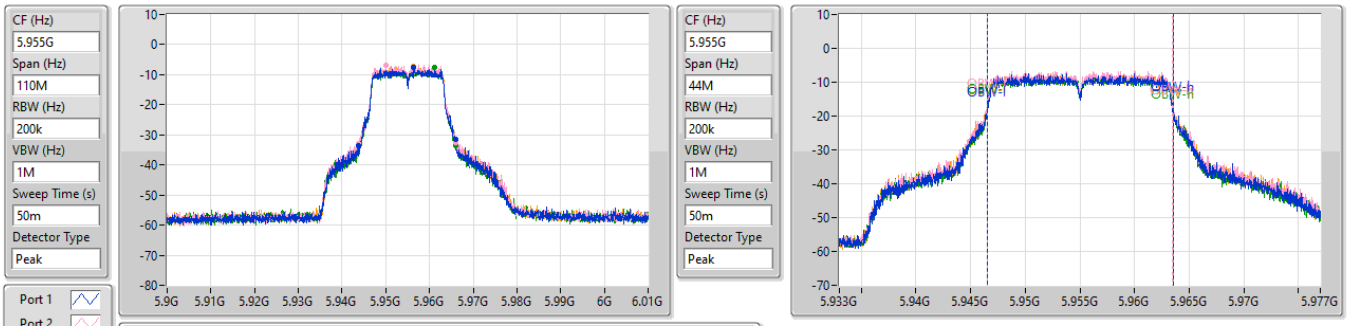
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	22.22M	16.984M	22.11M	16.944M	22M	16.953M	22.11M	17M
6195MHz	Pass	Inf	22.22M	16.964M	22.165M	16.974M	24.75M	16.954M	21.945M	16.939M
6415MHz	Pass	Inf	22.55M	16.989M	22.715M	16.972M	22.165M	16.944M	22.165M	16.943M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	23.705M	19.115M	23.54M	19.14M	24.75M	19.115M	24.86M	19.165M
6195MHz	Pass	Inf	21.725M	19.115M	23.375M	19.14M	24.365M	19.09M	22.165M	19.115M
6415MHz	Pass	Inf	23.65M	19.115M	24.09M	19.115M	22.605M	19.065M	23.54M	19.14M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	43.89M	37.831M	42.9M	37.931M	47.52M	37.781M	50.6M	37.831M
6205MHz	Pass	Inf	48.29M	37.831M	42.02M	37.881M	41.47M	37.831M	41.8M	37.881M
6405MHz	Pass	Inf	49.39M	37.781M	41.58M	37.781M	41.91M	37.931M	41.47M	37.831M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	86.46M	77.461M	88.22M	77.461M	84.7M	77.361M	84.92M	77.361M
6225MHz	Pass	Inf	86.46M	77.461M	83.38M	77.361M	82.72M	77.461M	84.92M	77.361M
6385MHz	Pass	Inf	83.6M	77.461M	85.14M	77.461M	84.48M	77.461M	82.28M	77.461M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	165M	156.522M	165M	156.522M	164.56M	156.322M	165M	156.522M
6185MHz	Pass	Inf	165.88M	156.522M	165M	156.322M	165M	156.722M	164.12M	156.322M
6345MHz	Pass	Inf	164.56M	156.522M	164.12M	156.122M	165M	156.322M	164.12M	156.522M

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_802.11a_Nss1,(6Mbps)_4TX **EBW**

5955MHz

30/11/2023

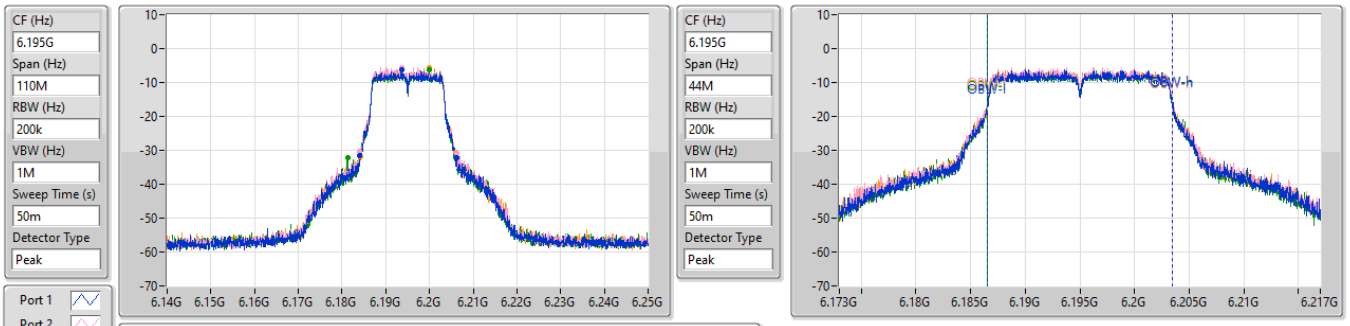


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.22M	5.943725G	5.965945G	16.984M	5.946549G	5.963534G	Inf	1
22.11M	5.943835G	5.965945G	16.944M	5.946555G	5.963499G	Inf	2
22M	5.944055G	5.966055G	16.953M	5.946575G	5.963527G	Inf	3
22.11M	5.943945G	5.966055G	17M	5.946533G	5.963534G	Inf	4

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

6195MHz

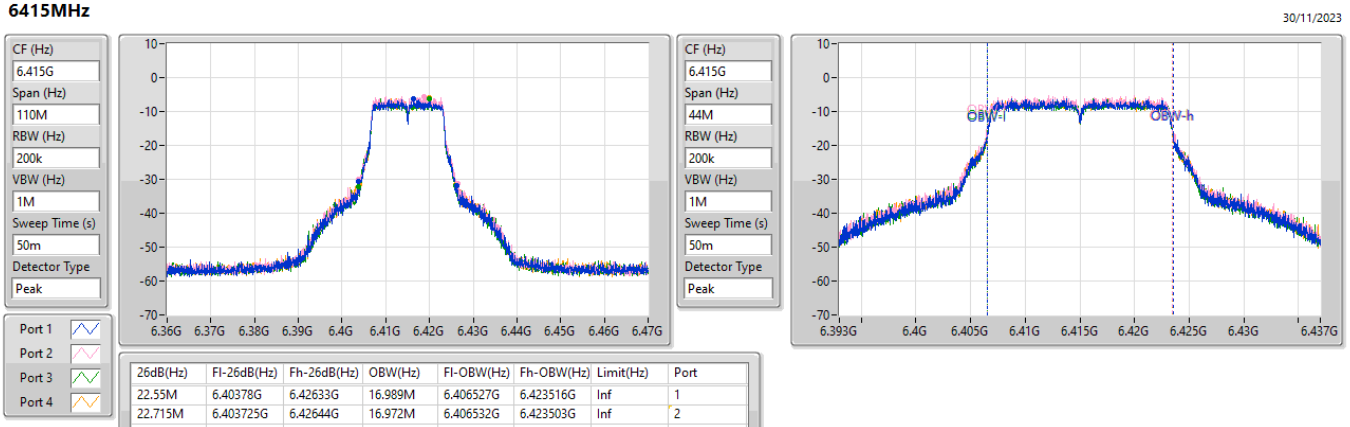
30/11/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.22M	6.184055G	6.206275G	16.964M	6.186528G	6.203492G	Inf	1
22.165M	6.18411G	6.206275G	16.974M	6.186525G	6.203499G	Inf	2
24.75M	6.18125G	6.206G	16.954M	6.186539G	6.203492G	Inf	3
21.945M	6.184165G	6.20611G	16.939M	6.186548G	6.203487G	Inf	4

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

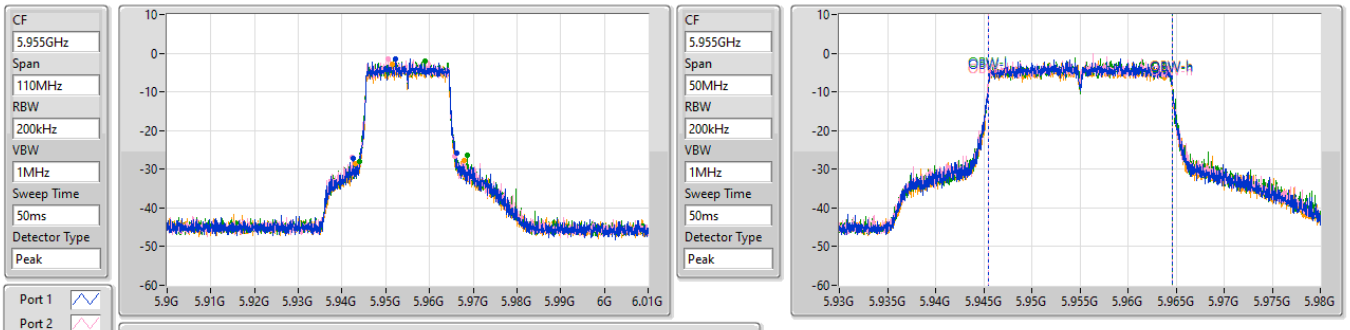
6415MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.55M	6.40378G	6.42633G	16.989M	6.406527G	6.423516G	Inf	1
22.715M	6.403725G	6.42644G	16.972M	6.406532G	6.423503G	Inf	2
22.165M	6.40378G	6.425945G	16.944M	6.406558G	6.423502G	Inf	3
22.165M	6.40389G	6.426055G	16.943M	6.406529G	6.423472G	Inf	4

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

5955MHz

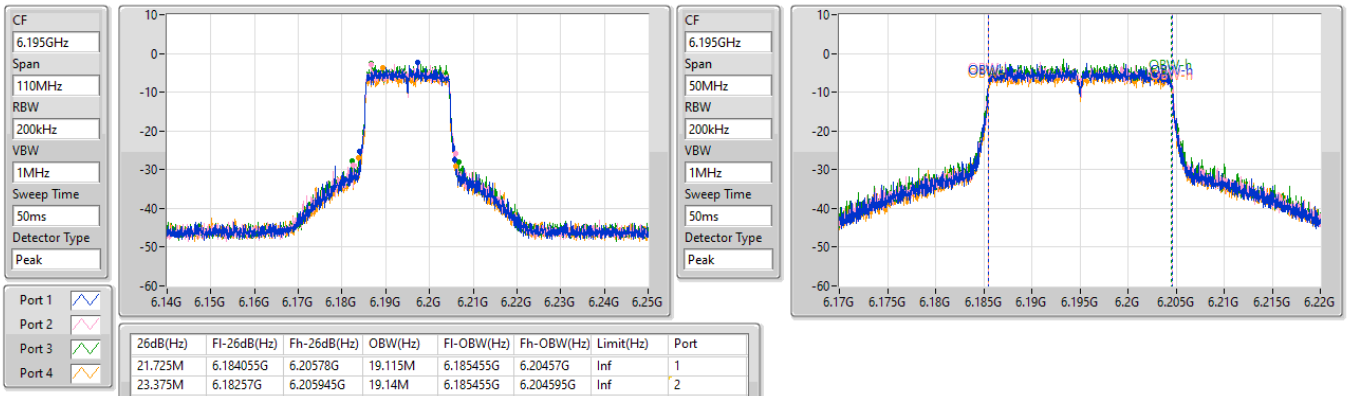


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.705M	5.94257G	5.966275G	19.115M	5.94548G	5.964595G	Inf	1
23.54M	5.942295G	5.965835G	19.14M	5.945455G	5.964595G	Inf	2
24.75M	5.944G	5.96875G	19.115M	5.945505G	5.96462G	Inf	3
24.86M	5.94312G	5.96798G	19.165M	5.945455G	5.96462G	Inf	4

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

6195MHz

30/05/2023

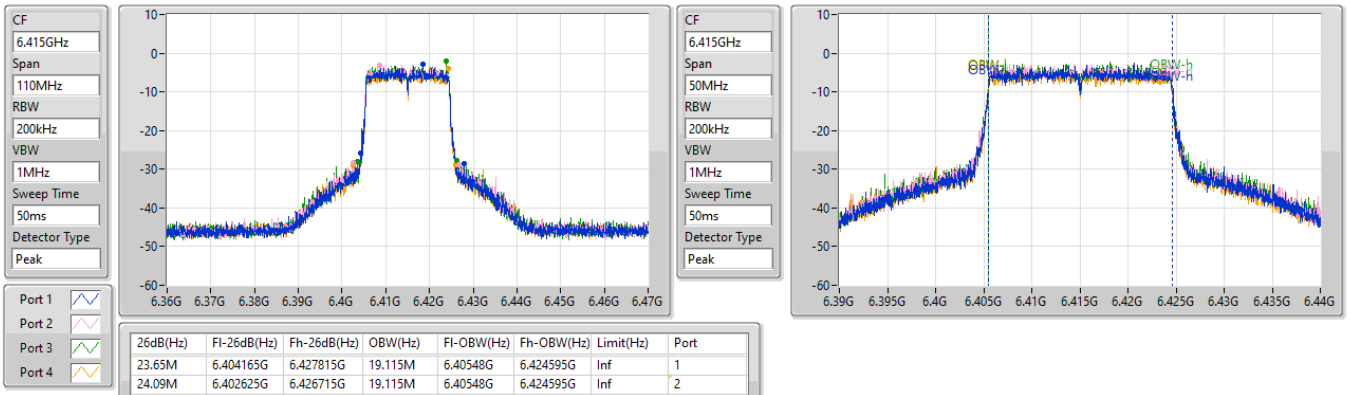


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.725M	6.184055G	6.20578G	19.115M	6.185455G	6.20457G	Inf	1
23.375M	6.18257G	6.205945G	19.14M	6.185455G	6.204595G	Inf	2
24.365M	6.182295G	6.20666G	19.09M	6.185455G	6.204545G	Inf	3
22.165M	6.183835G	6.206G	19.115M	6.18548G	6.204595G	Inf	4

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

6415MHz

30/05/2023

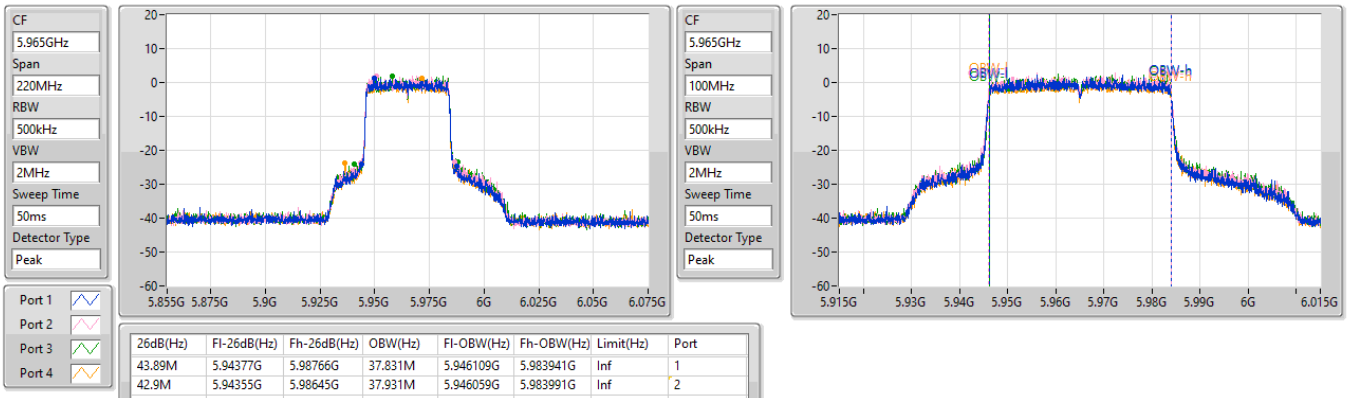


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.65M	6.404165G	6.427815G	19.115M	6.40548G	6.424595G	Inf	1
24.09M	6.402625G	6.426715G	19.115M	6.40548G	6.424595G	Inf	2
22.605M	6.40356G	6.426165G	19.065M	6.405505G	6.42457G	Inf	3
23.54M	6.40246G	6.426G	19.14M	6.405455G	6.424595G	Inf	4

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

5965MHz

30/05/2023

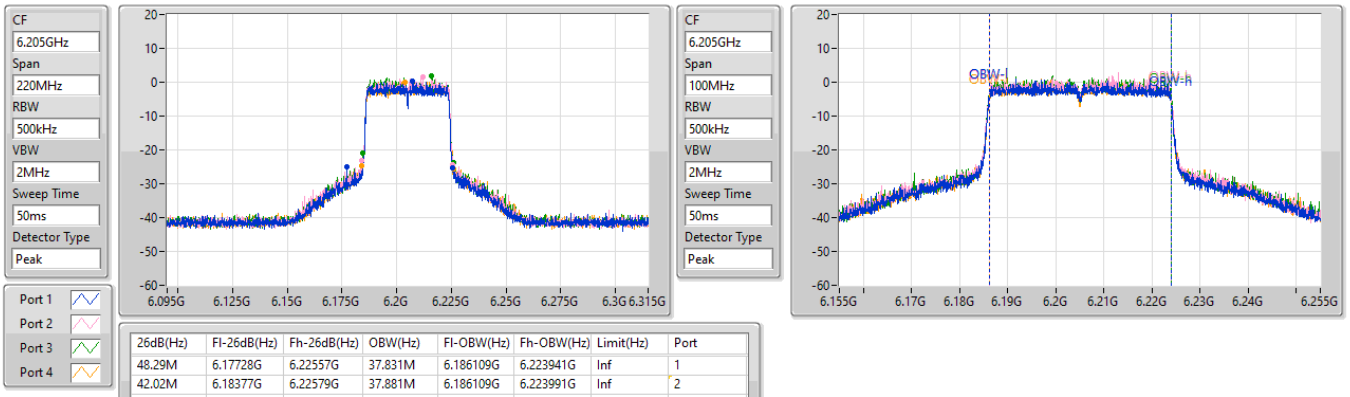


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.89M	5.94377G	5.98766G	37.831M	5.946109G	5.983941G	Inf	1
42.9M	5.94355G	5.98645G	37.931M	5.946059G	5.983991G	Inf	2
47.52M	5.94047G	5.98799G	37.781M	5.946159G	5.983941G	Inf	3
50.6M	5.9364G	5.987G	37.831M	5.946109G	5.983941G	Inf	4

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

6205MHz

30/05/2023

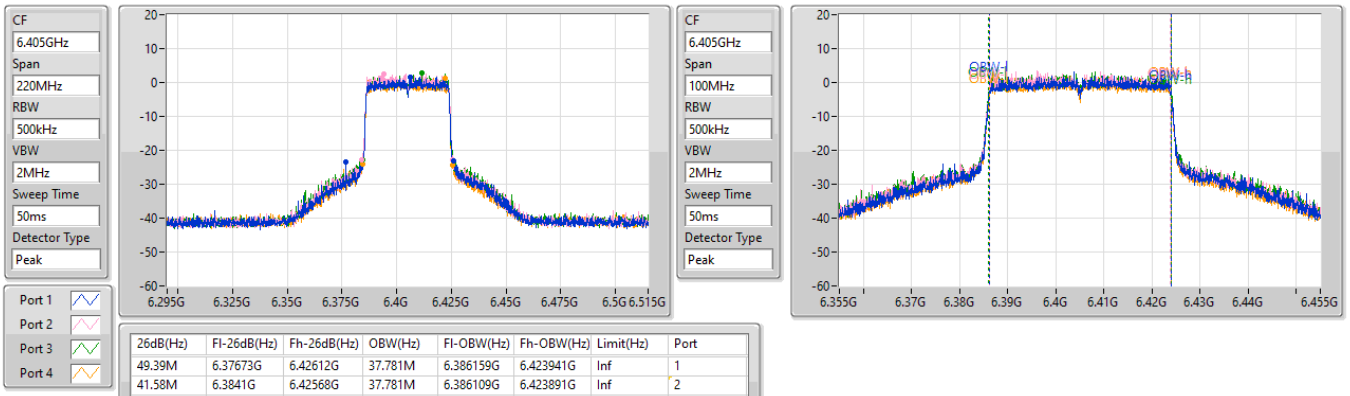


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
48.29M	6.17728G	6.22557G	37.831M	6.186109G	6.223941G	Inf	1
42.02M	6.18377G	6.22579G	37.881M	6.186109G	6.223991G	Inf	2
41.47M	6.18465G	6.22612G	37.831M	6.186109G	6.223941G	Inf	3
41.8M	6.1841G	6.2259G	37.881M	6.186109G	6.223991G	Inf	4

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

6405MHz

30/05/2023

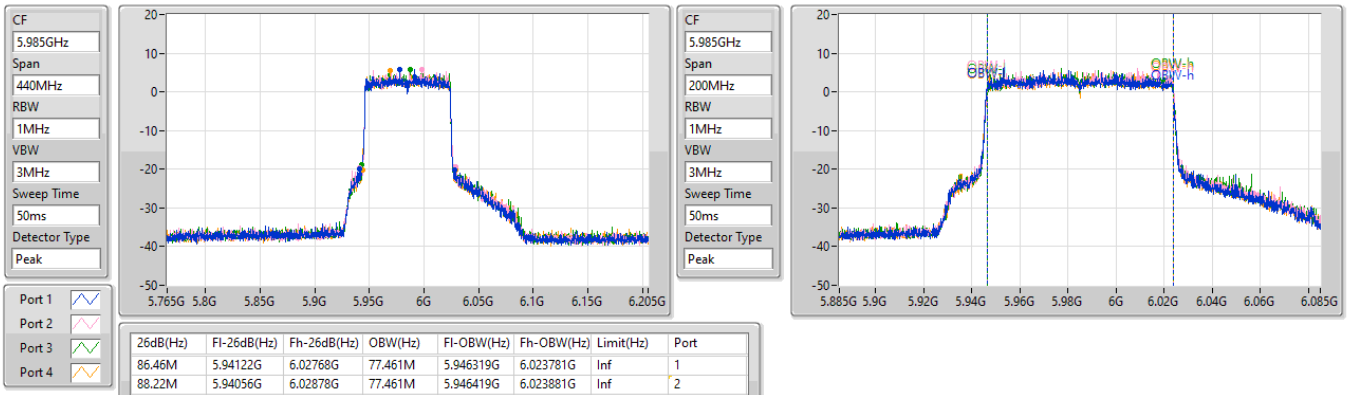


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
49.39M	6.37673G	6.42612G	37.781M	6.386159G	6.423941G	Inf	1
41.58M	6.3841G	6.42568G	37.781M	6.386109G	6.423891G	Inf	2
41.91M	6.38432G	6.42623G	37.931M	6.386059G	6.423991G	Inf	3
41.47M	6.38421G	6.42568G	37.831M	6.386109G	6.423941G	Inf	4

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **EBW**

5985MHz

30/05/2023

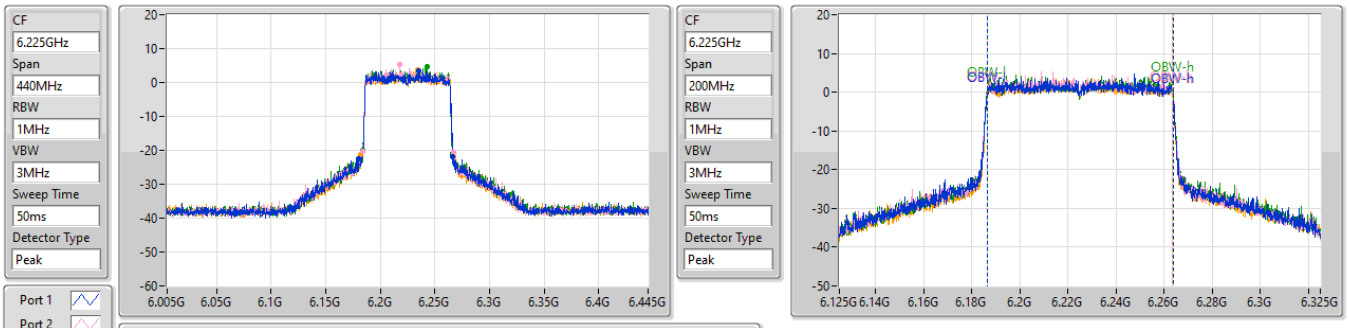


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
86.46M	5.94122G	6.02768G	77.461M	5.946319G	6.023781G	Inf	1
88.22M	5.94056G	6.02878G	77.461M	5.946419G	6.023881G	Inf	2
84.7M	5.9432G	6.0279G	77.361M	5.946519G	6.023881G	Inf	3
84.92M	5.94364G	6.02856G	77.361M	5.946419G	6.023781G	Inf	4

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **EBW**

6225MHz

30/05/2023

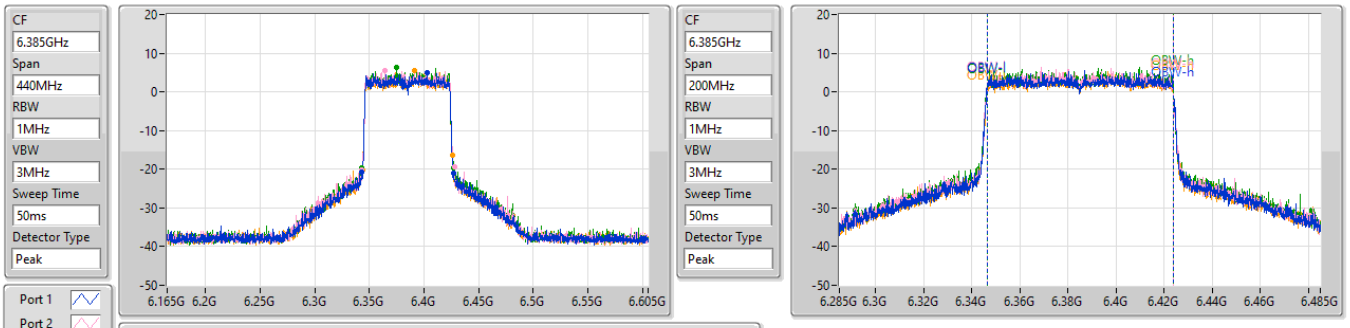


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
86.46M	6.1799G	6.26636G	77.461M	6.186319G	6.263781G	Inf	1
83.38M	6.18342G	6.2668G	77.361M	6.186319G	6.263681G	Inf	2
82.72M	6.18386G	6.26658G	77.461M	6.186319G	6.263781G	Inf	3
84.92M	6.18188G	6.2668G	77.361M	6.186319G	6.263681G	Inf	4

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **EBW**

6385MHz

30/05/2023

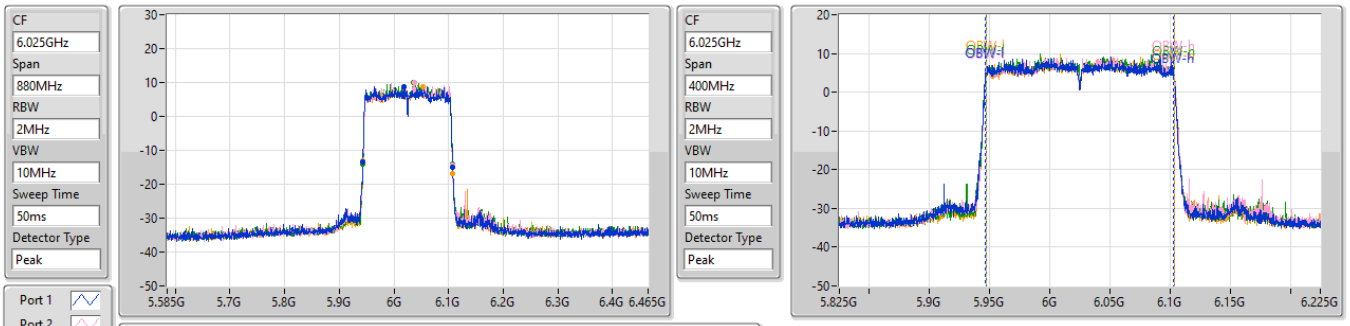


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.6M	6.3432G	6.4268G	77.461M	6.346319G	6.423781G	Inf	1
85.14M	6.34298G	6.42812G	77.461M	6.346319G	6.423781G	Inf	2
84.48M	6.34276G	6.42724G	77.461M	6.346319G	6.423781G	Inf	3
82.28M	6.34342G	6.4257G	77.461M	6.346319G	6.423781G	Inf	4

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX **EBW**

6025MHz

30/05/2023

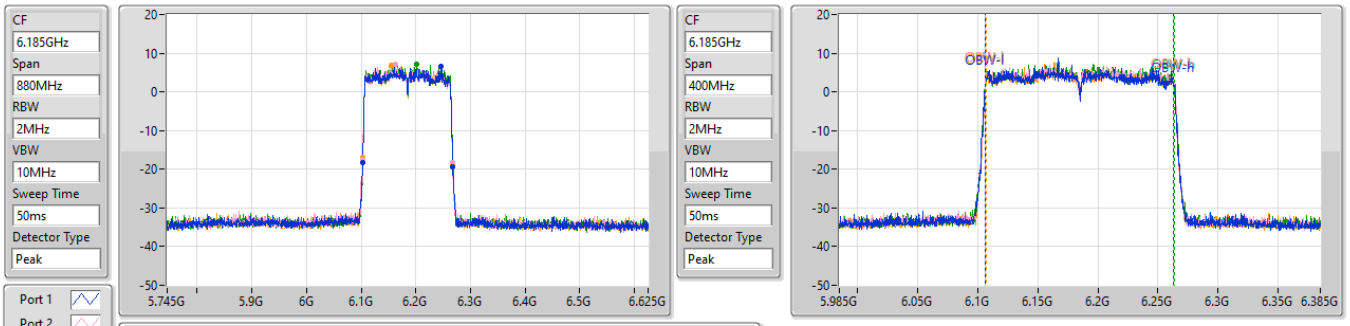


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
165M	5.94228G	6.10728G	156.522M	5.946639G	6.103161G	Inf	1
165M	5.94228G	6.10728G	156.522M	5.946839G	6.103361G	Inf	2
164.56M	5.94272G	6.10728G	156.322M	5.947039G	6.103361G	Inf	3
165M	5.94272G	6.10772G	156.522M	5.946839G	6.103361G	Inf	4

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX **EBW**

6185MHz

30/05/2023

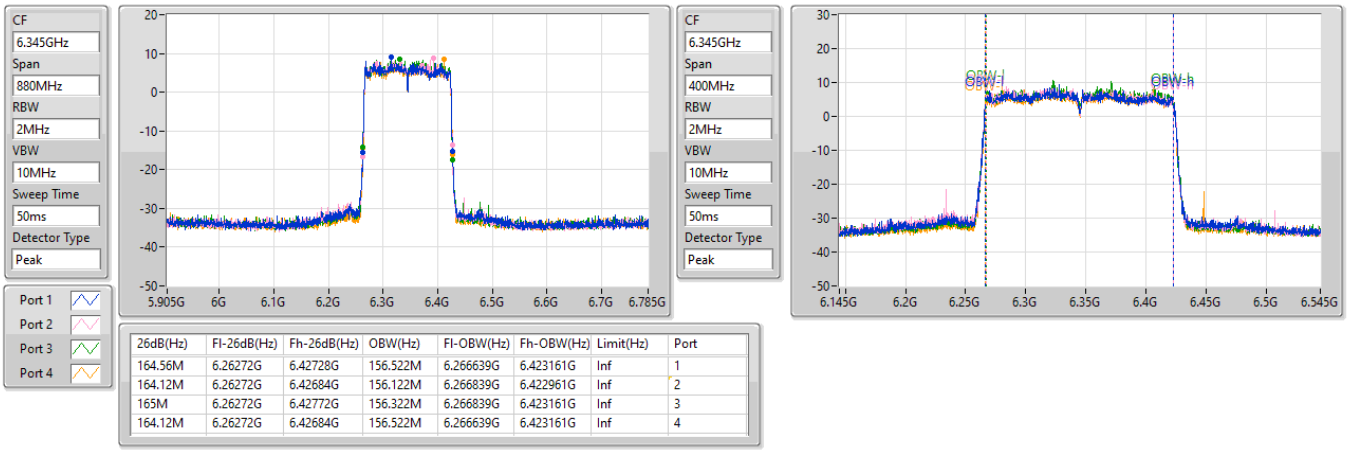


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
165.88M	6.10184G	6.26772G	156.522M	6.106639G	6.263161G	Inf	1
165M	6.10272G	6.26772G	156.322M	6.106639G	6.262961G	Inf	2
165M	6.10272G	6.26772G	156.722M	6.106639G	6.263361G	Inf	3
164.12M	6.10316G	6.26728G	156.322M	6.106839G	6.263161G	Inf	4

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX **EBW**

6345MHz

30/05/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.56M	6.26272G	6.42728G	156.522M	6.266639G	6.423161G	Inf	1
164.12M	6.26272G	6.42684G	156.122M	6.266839G	6.422961G	Inf	2
165M	6.26272G	6.42772G	156.322M	6.266839G	6.423161G	Inf	3
164.12M	6.26272G	6.42684G	156.522M	6.266639G	6.423161G	Inf	4

Summary

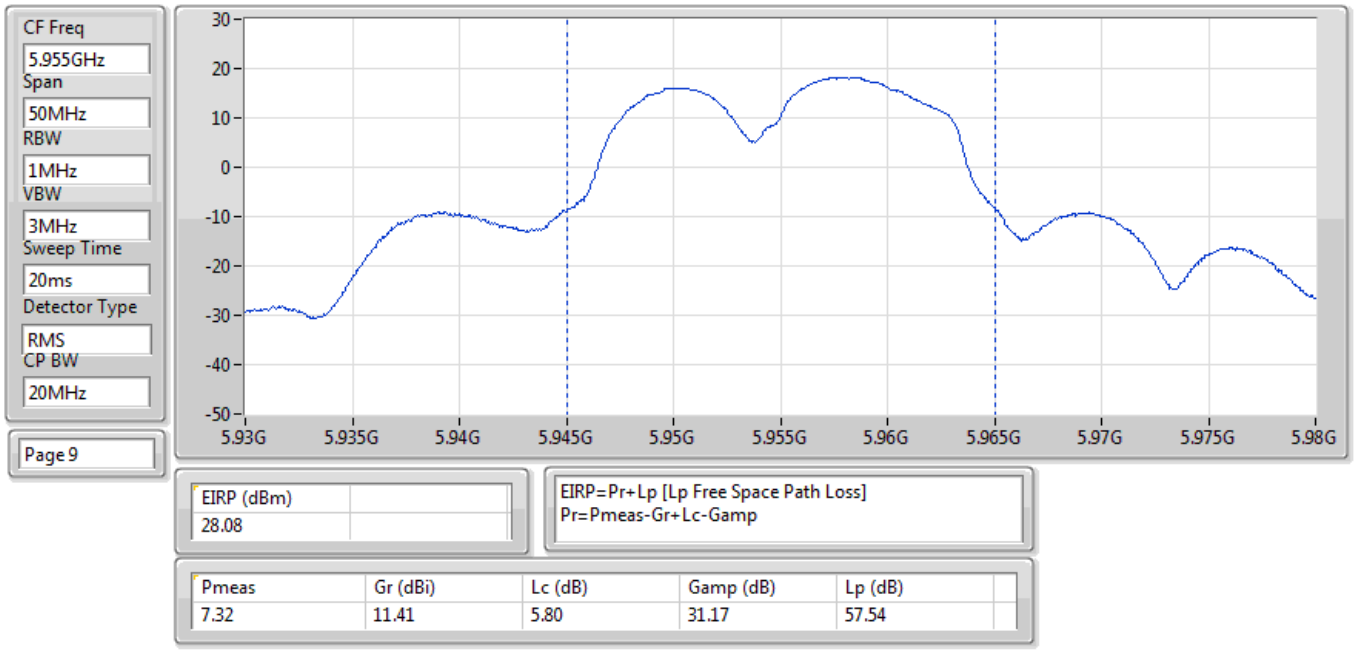
Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	30.06	1.01391
802.11ax HEW20_Nss1,(MCS0)_4TX	30.02	1.00462
802.11ax HEW40_Nss1,(MCS0)_4TX	31.77	1.50314
802.11ax HEW80_Nss1,(MCS0)_4TX	28.34	0.68234
802.11ax HEW160_Nss1,(MCS0)_4TX	26.94	0.49431

Result

Mode	Result	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-
5955MHz	Pass	28.08	36.00
6195MHz	Pass	30.06	36.00
6415MHz	Pass	29.51	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-
5955MHz	Pass	28.72	36.00
6195MHz	Pass	30.02	36.00
6415MHz	Pass	28.63	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-
5965MHz	Pass	28.13	36.00
6205MHz	Pass	31.77	36.00
6405MHz	Pass	27.95	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-
5985MHz	Pass	28.21	36.00
6225MHz	Pass	27.65	36.00
6385MHz	Pass	28.34	36.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-
6025MHz	Pass	26.94	36.00
6185MHz	Pass	25.85	36.00
6345MHz	Pass	25.67	36.00

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

EIRP;Band:6.2G;11a;BWch:20MHz;Nss:1,(6D);Nant:4;Ch:5955MHz;TX

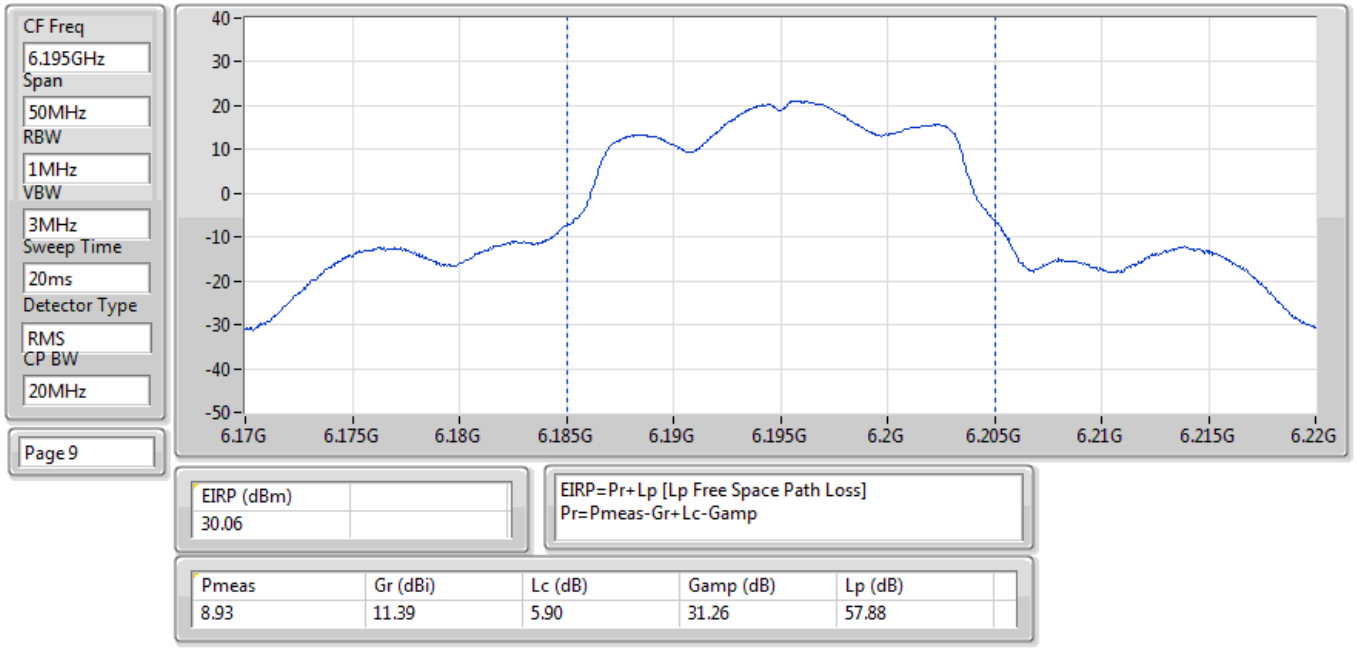


EIRP (dBm)
28.08

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.32	11.41	5.80	31.17	57.54

EIRP;Band:6.2G;11a;BWch:20MHz;Nss:1,(6D);Nant:4;Ch:6195MHz;TX

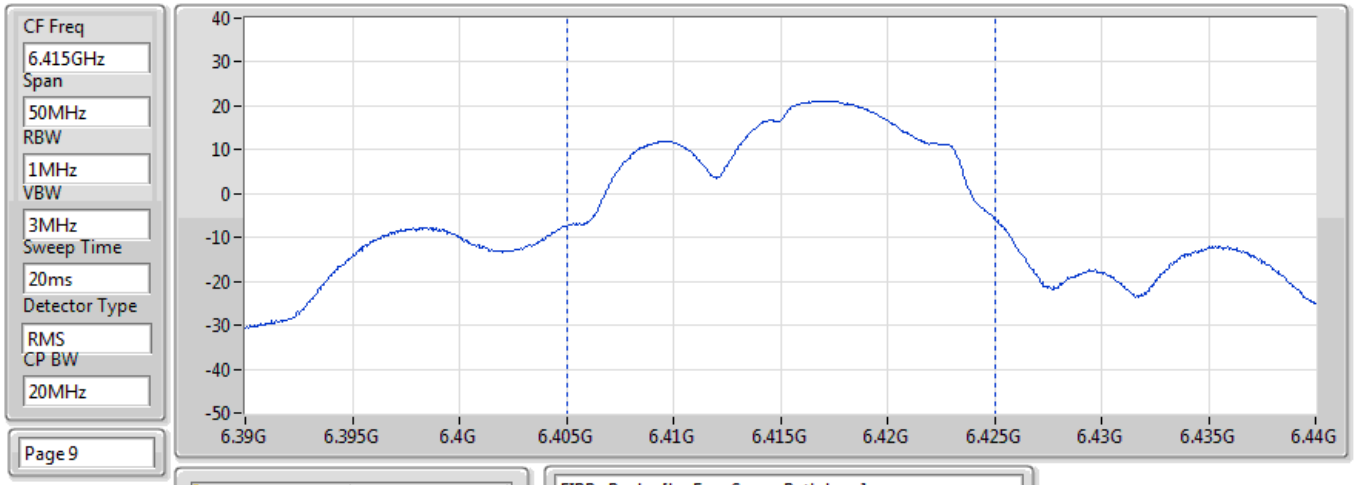


EIRP (dBm)
30.06

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.93	11.39	5.90	31.26	57.88

EIRP;Band:6.2G;11a;BWch:20MHz;Nss:1,(6D);Nant:4;Ch:6415MHz;TX

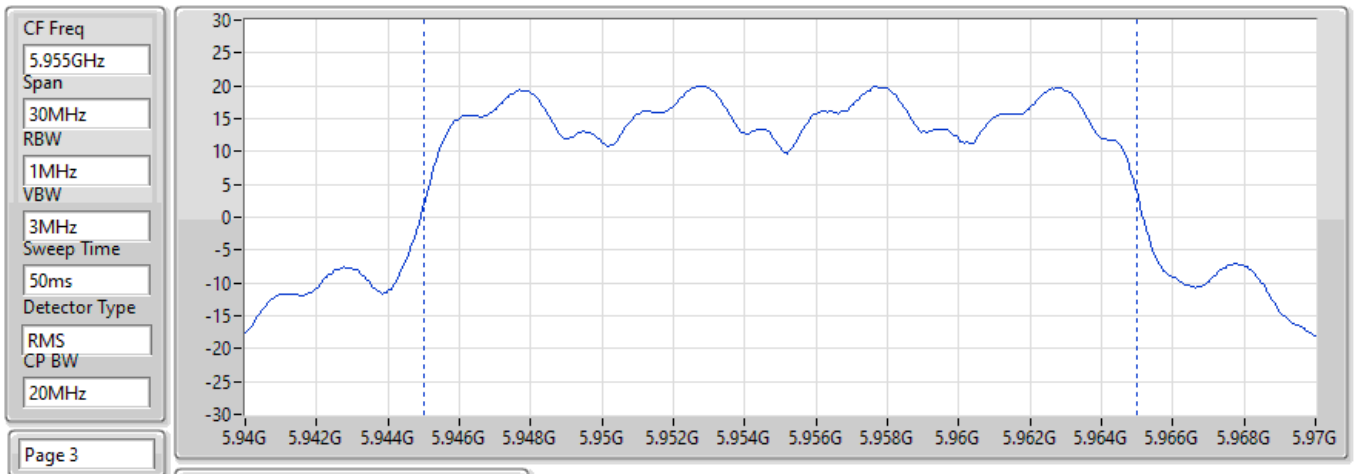


EIRP (dBm)
29.51

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

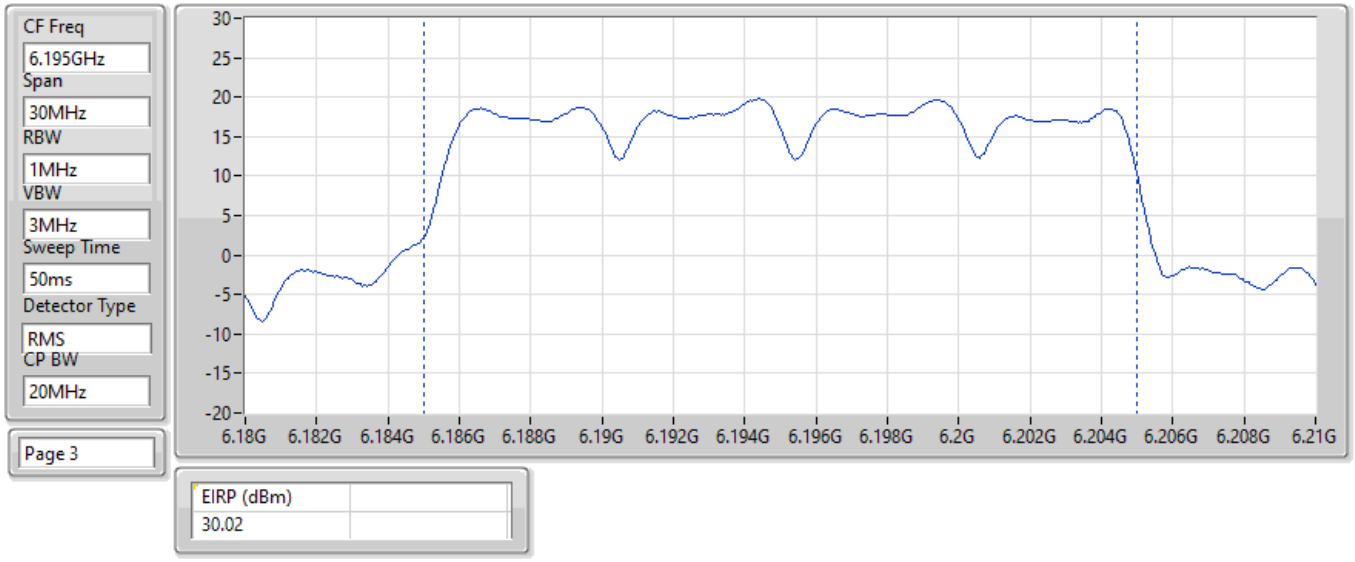
Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.53	11.86	5.98	31.33	58.19

EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:5955MHz;TX



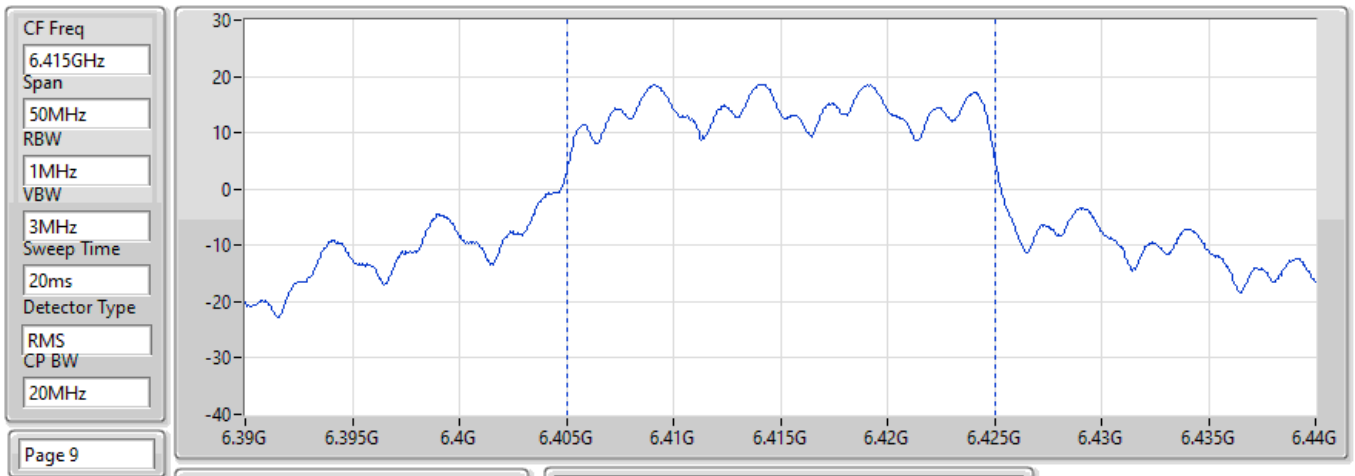
EIRP (dBm)
28.72

EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6195MHz;TX



EIRP (dBm)
30.02

EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6415MHz;TX

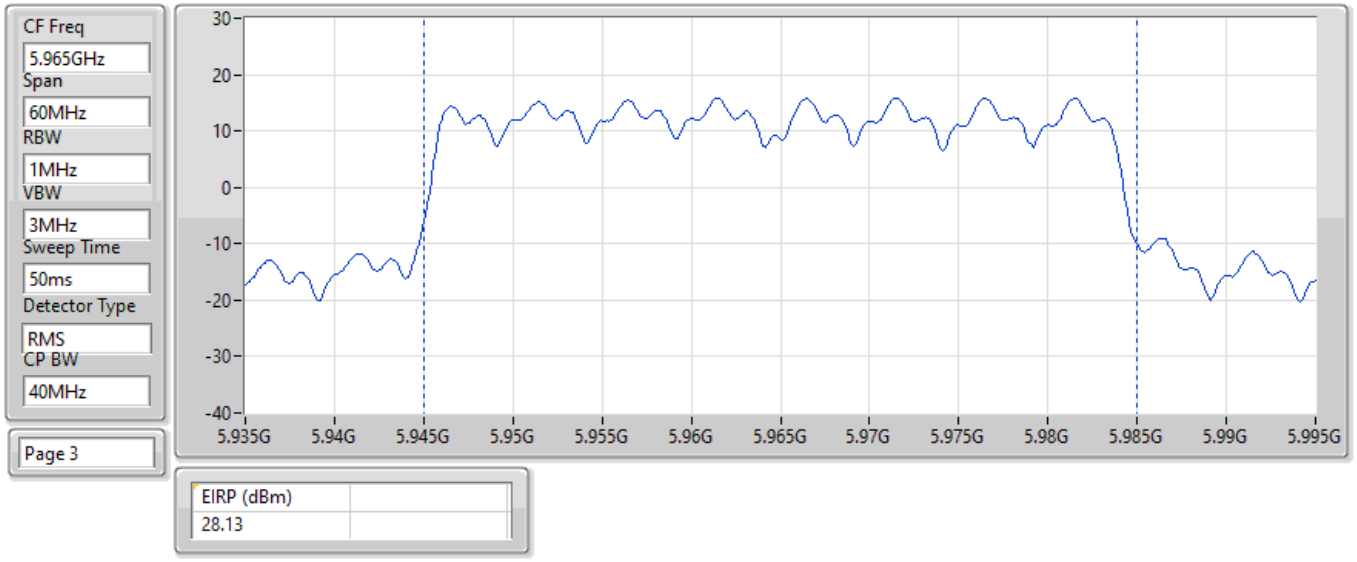


EIRP (dBm)
28.63

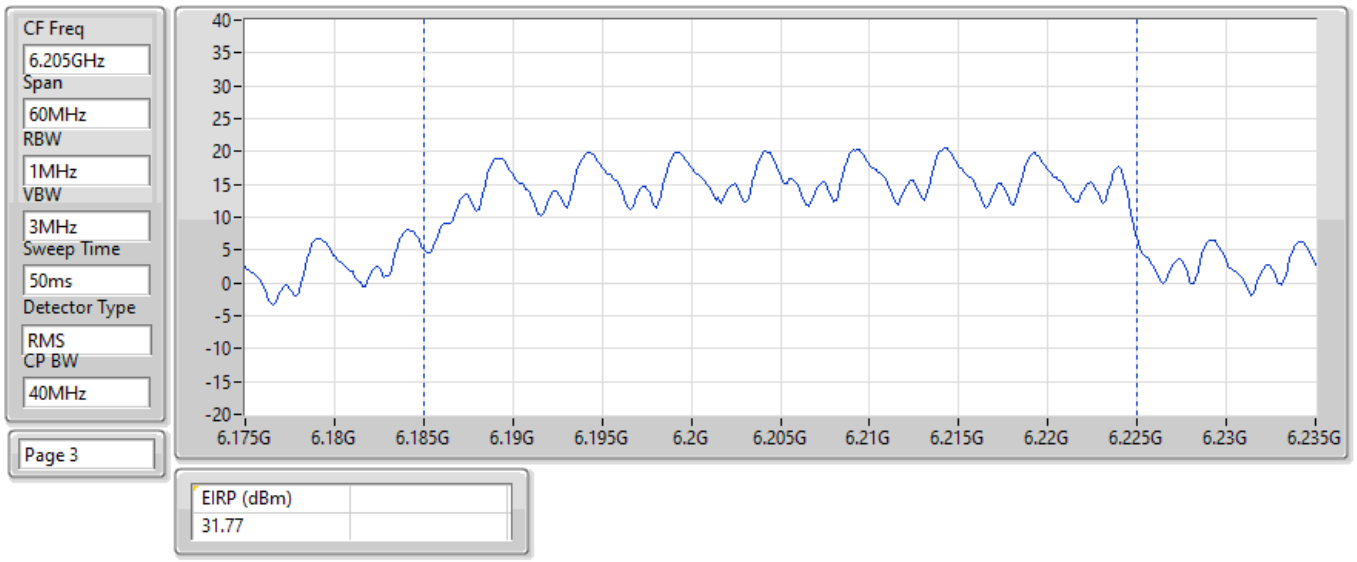
EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.41	11.10	6.65	33.52	58.19

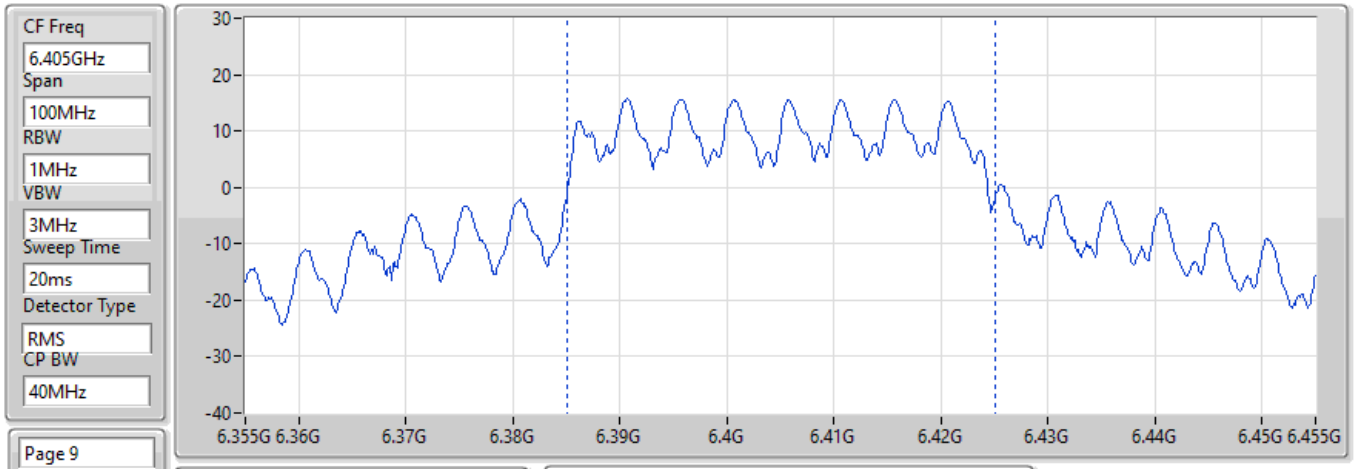
EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:5965MHz;TX



EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6205MHz;TX



EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6405MHz;TX

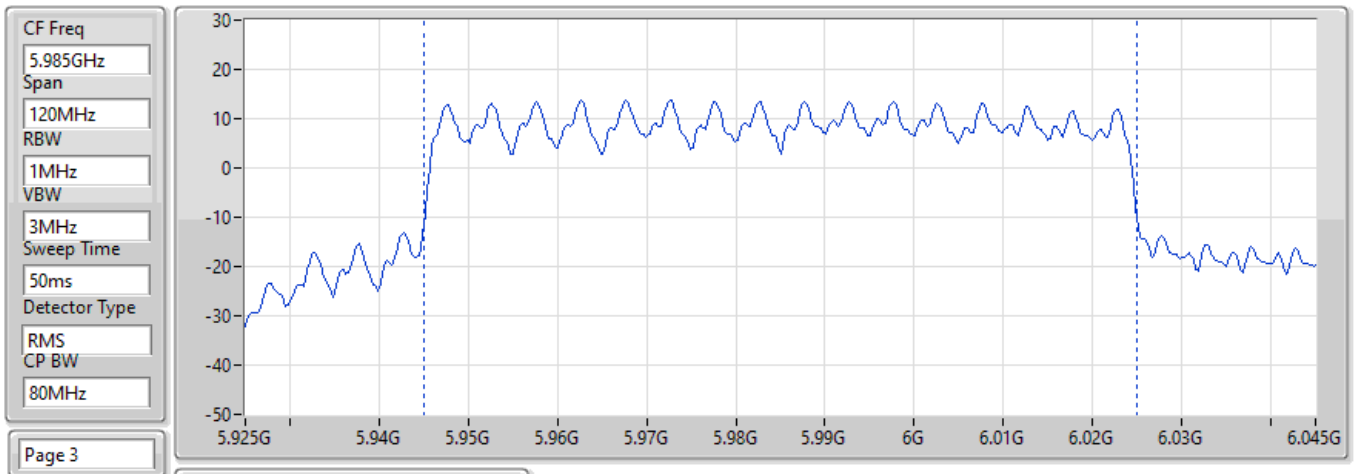


EIRP (dBm)
27.95

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

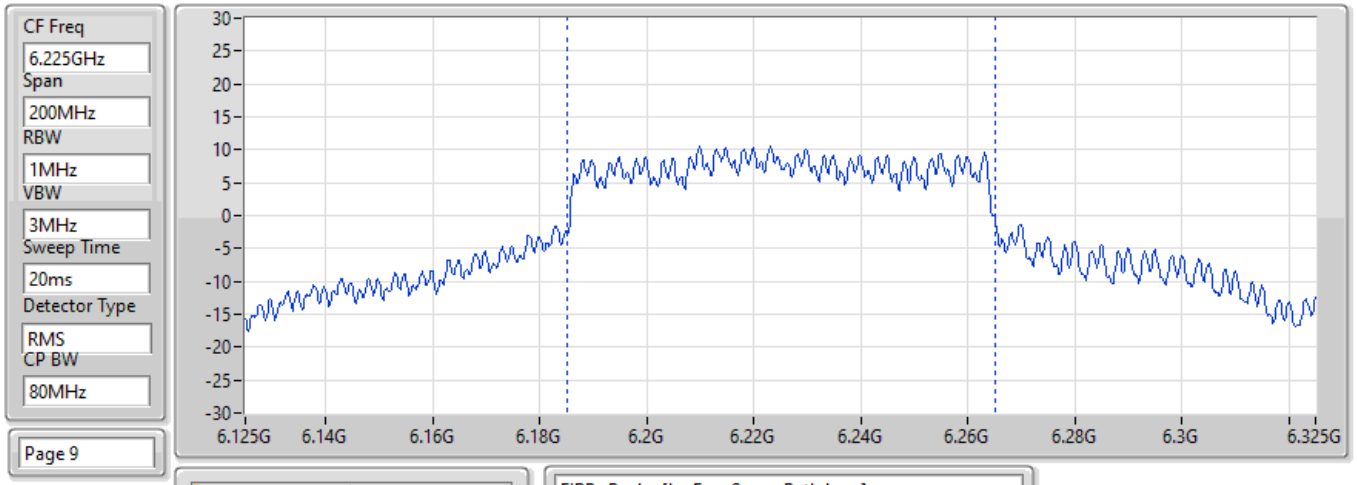
Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.76	11.10	6.64	33.52	58.17

EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:5985MHz;TX



EIRP (dBm)
28.21

EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6225MHz;TX

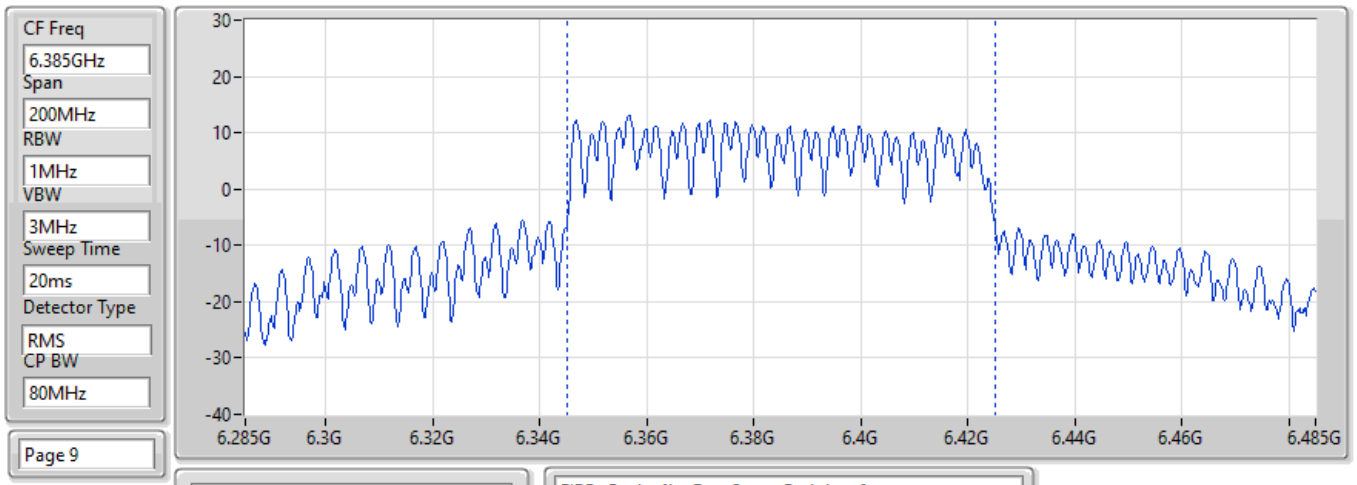


EIRP (dBm)
27.65

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.49	10.85	6.61	33.53	57.93

EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6385MHz;TX

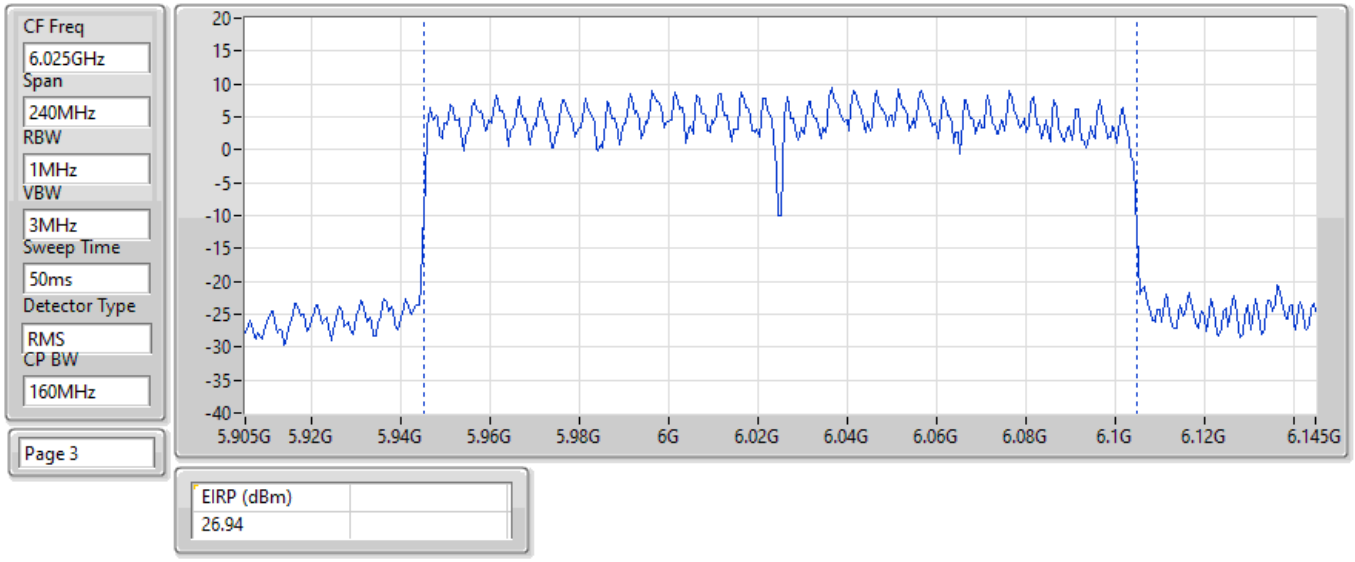


EIRP (dBm)
28.34

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

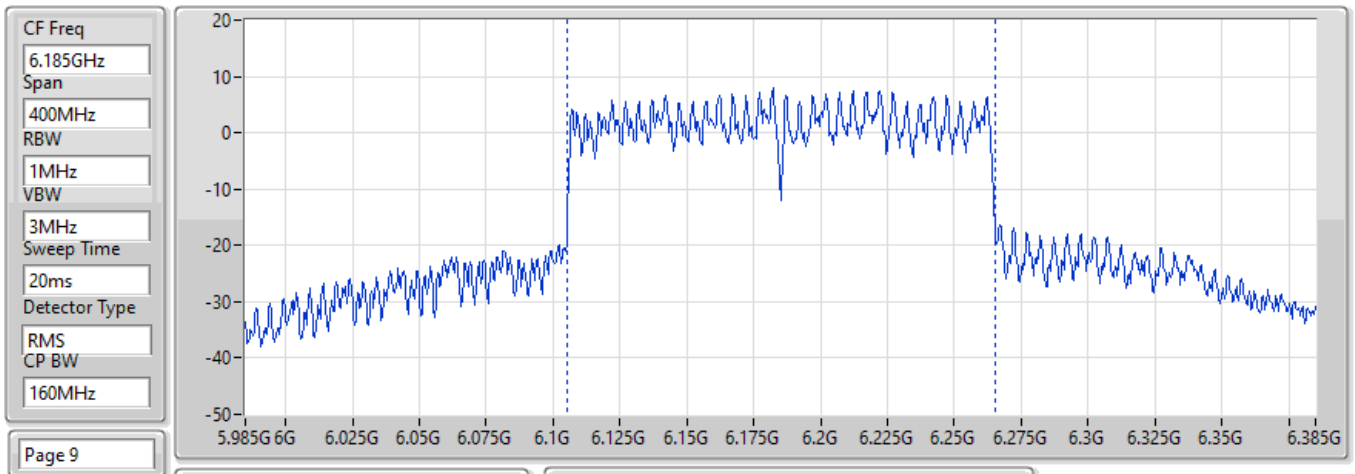
Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.21	11.13	6.63	33.52	58.15

EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6025MHz;TX



EIRP (dBm)
26.94

EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6185MHz;TX

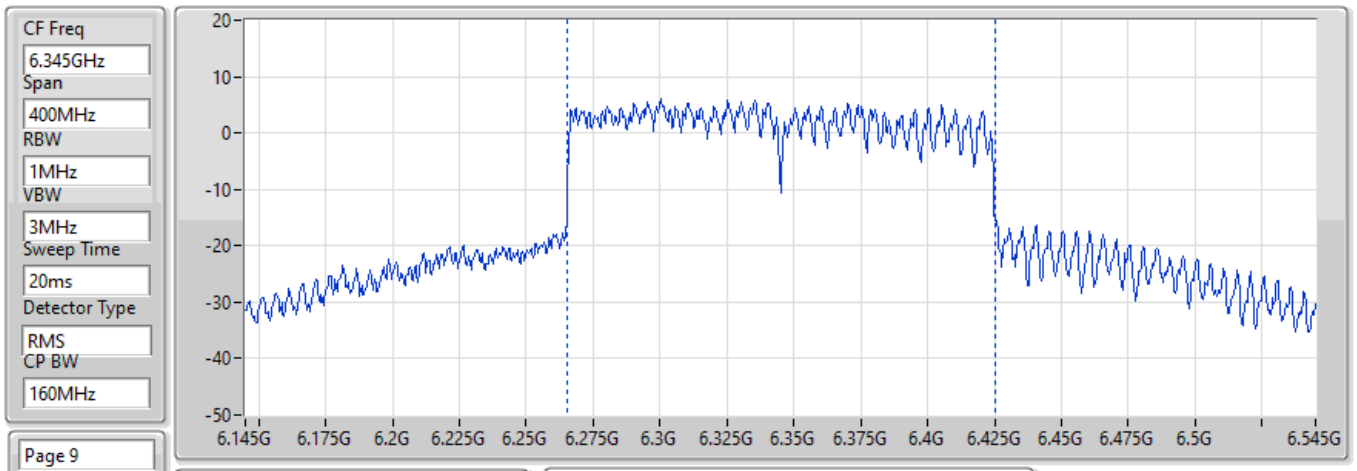


EIRP (dBm)
25.85

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
5.75	10.83	6.59	33.53	57.87

EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6345MHz;TX



EIRP (dBm)
25.67

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
5.67	11.19	6.62	33.52	58.09

Summary

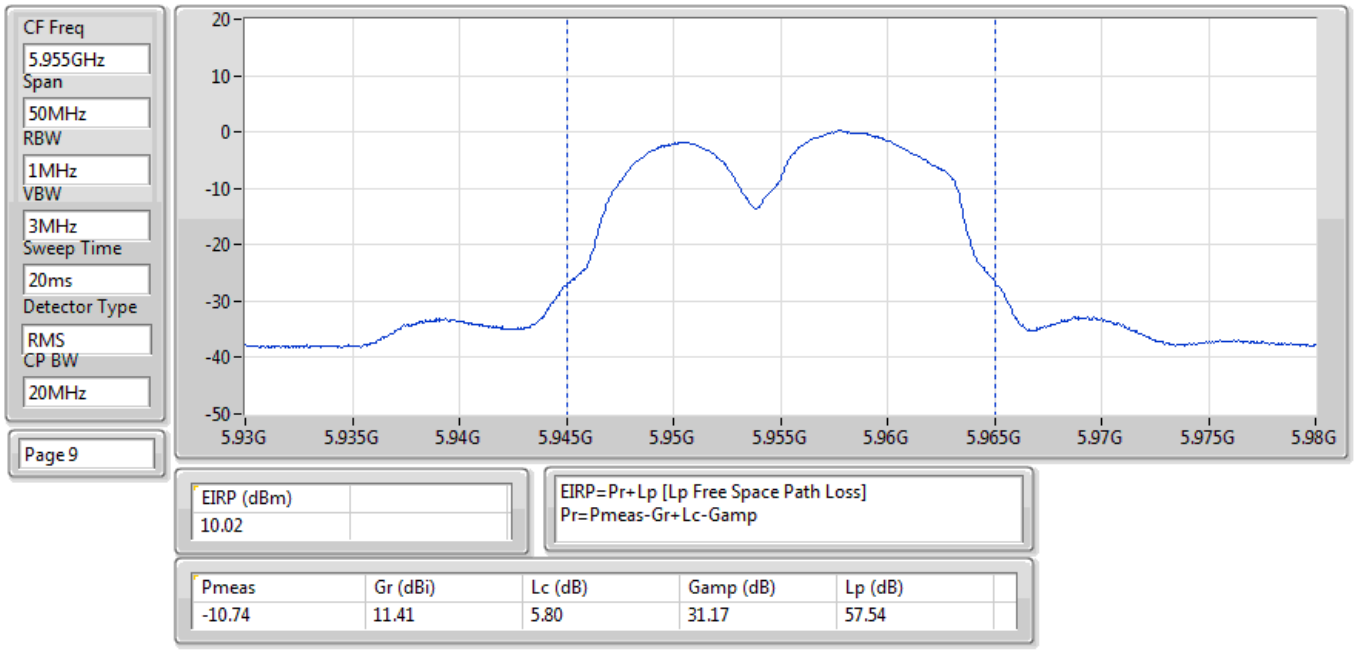
Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	11.42	0.01387
802.11ax HEW20_Nss1,(MCS0)_4TX	13.24	0.02109
802.11ax HEW40_Nss1,(MCS0)_4TX	16.05	0.04027
802.11ax HEW80_Nss1,(MCS0)_4TX	18.91	0.07780
802.11ax HEW160_Nss1,(MCS0)_4TX	21.67	0.14689

Result

Mode	Result	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-
5955MHz	Pass	10.02	30.00
6195MHz	Pass	11.42	30.00
6415MHz	Pass	11.19	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-
5955MHz	Pass	12.57	30.00
6195MHz	Pass	12.45	30.00
6415MHz	Pass	13.24	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-
5965MHz	Pass	14.68	30.00
6205MHz	Pass	14.88	30.00
6405MHz	Pass	16.05	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-
5985MHz	Pass	18.91	30.00
6225MHz	Pass	18.29	30.00
6385MHz	Pass	18.41	30.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-
6025MHz	Pass	21.67	30.00
6185MHz	Pass	20.08	30.00
6345MHz	Pass	20.06	30.00

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

EIRP;Band:6.2G;11a;BWch:20MHz;Nss:1,(6D);Nant:4;Ch:5955MHz;TX

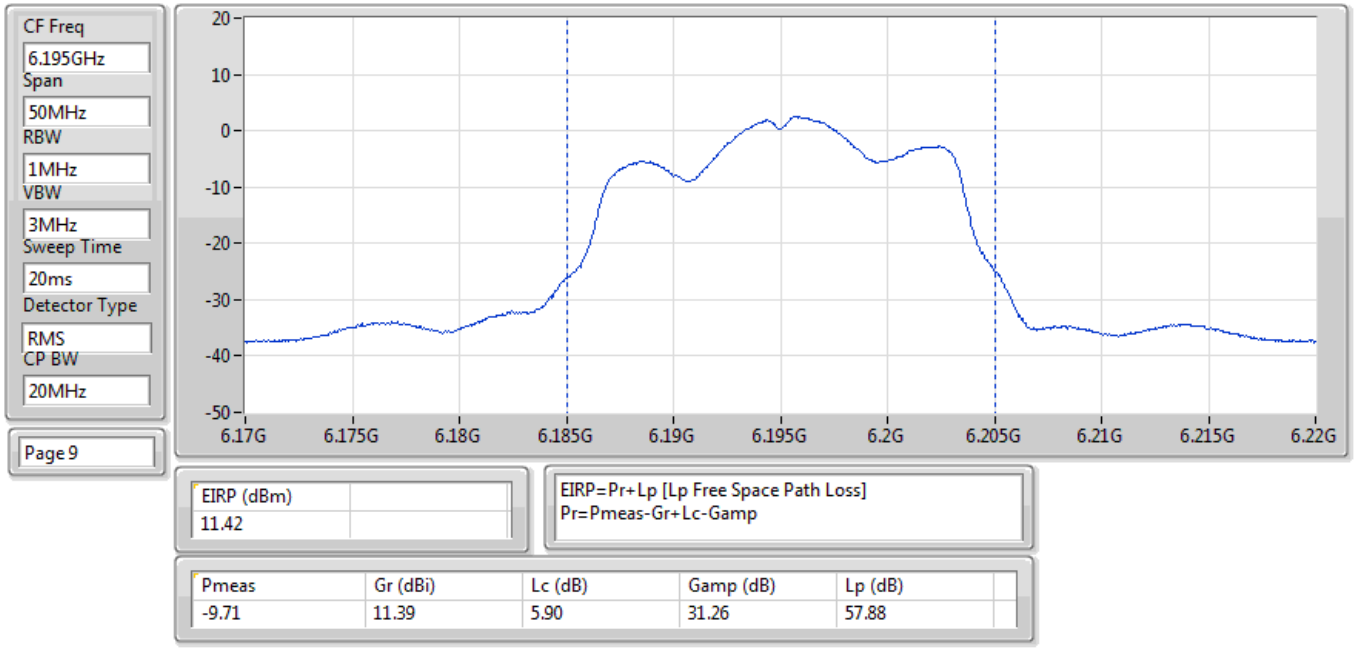


EIRP (dBm)
10.02

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-10.74	11.41	5.80	31.17	57.54

EIRP;Band:6.2G;11a;BWch:20MHz;Nss:1,(6D);Nant:4;Ch:6195MHz;TX

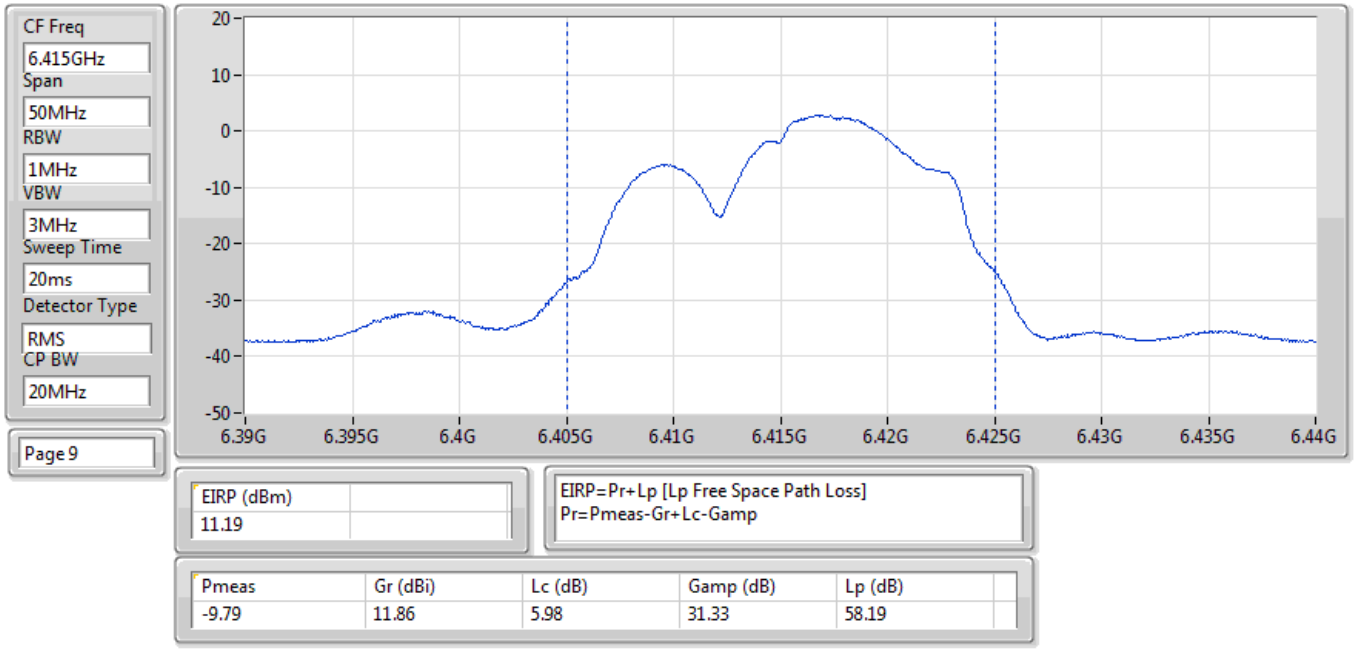


EIRP (dBm)
11.42

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-9.71	11.39	5.90	31.26	57.88

EIRP;Band:6.2G;11a;BWch:20MHz;Nss:1,(6D);Nant:4;Ch:6415MHz;TX

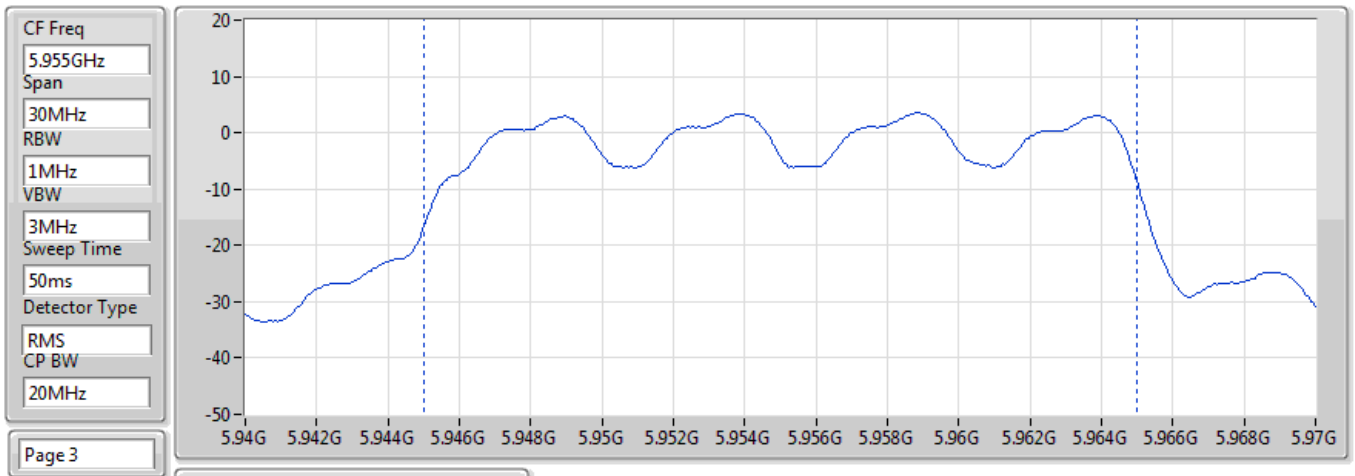


EIRP (dBm)
11.19

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

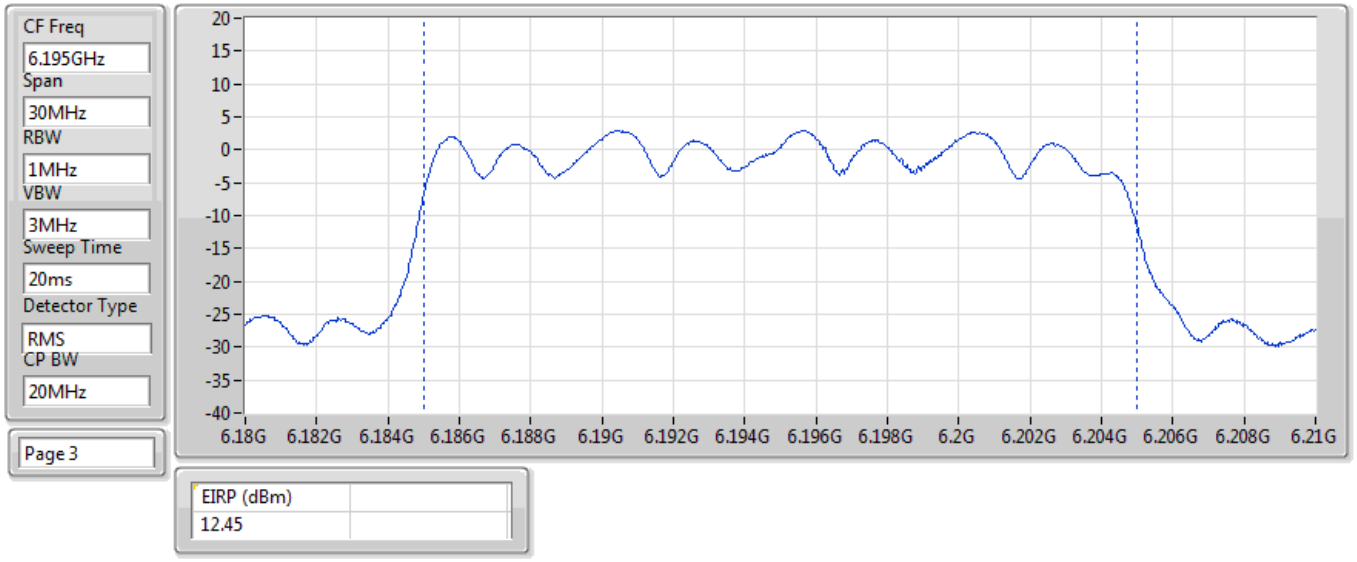
Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-9.79	11.86	5.98	31.33	58.19

EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:5955MHz;TX

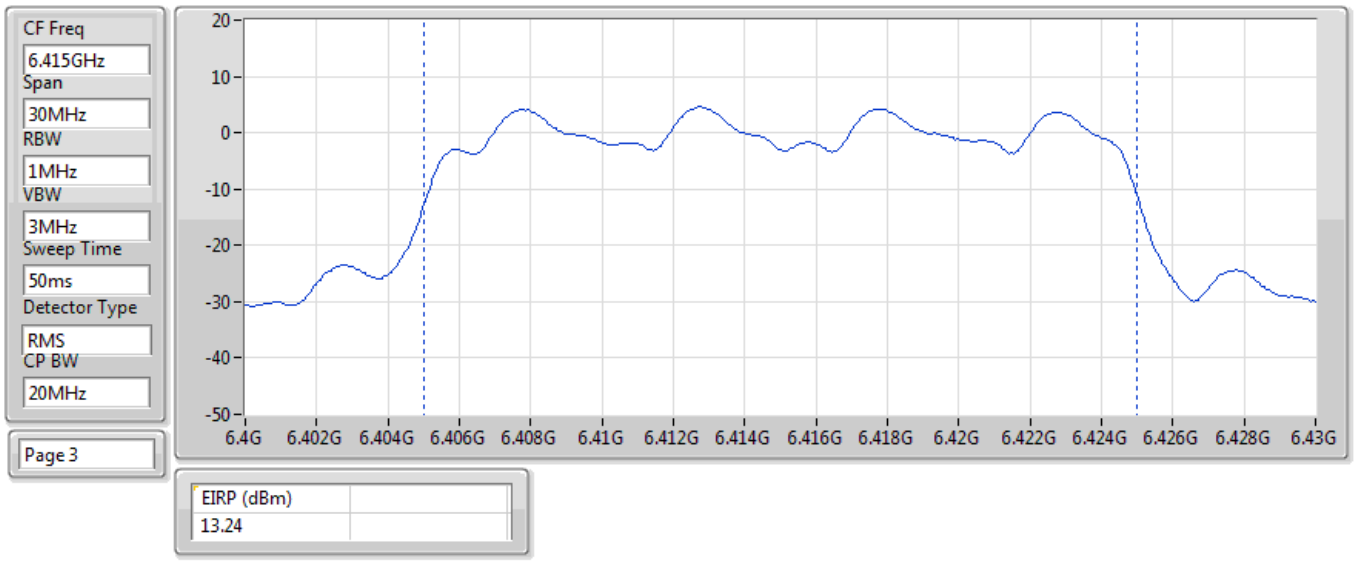


EIRP (dBm)
12.57

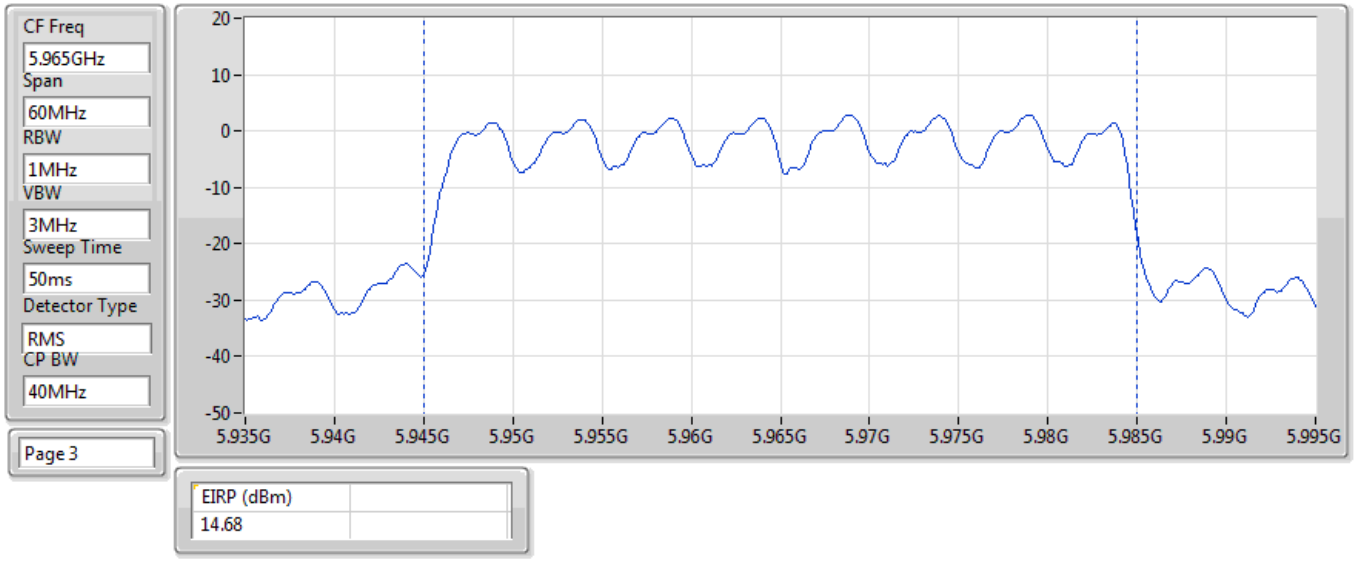
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6195MHz;TX



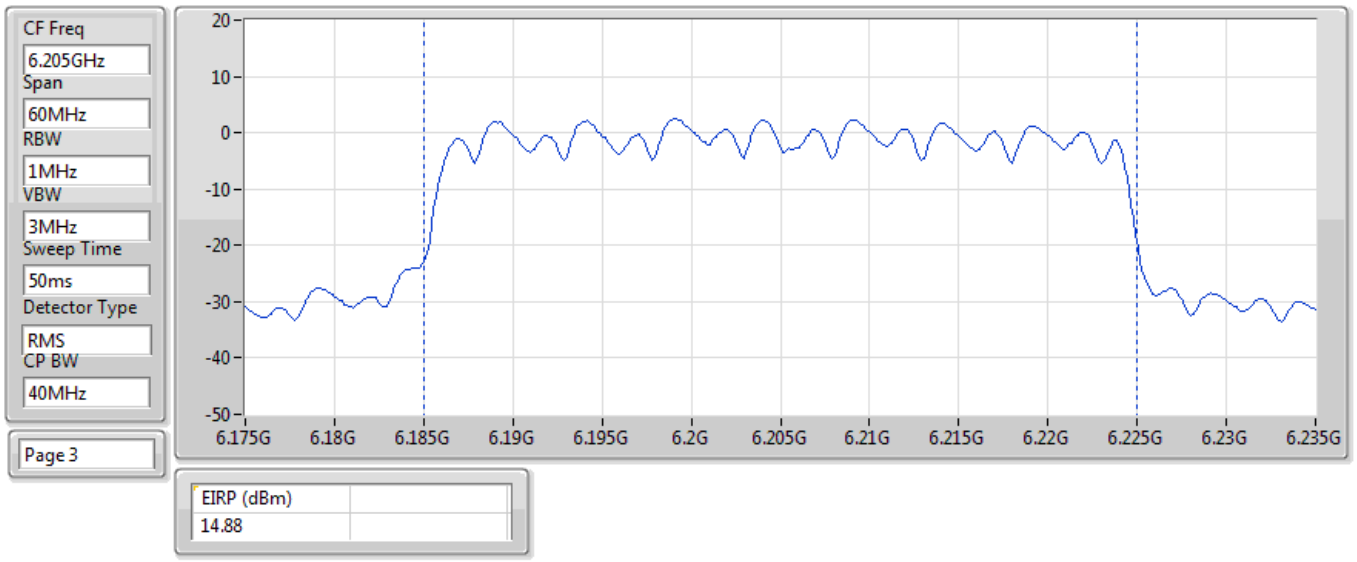
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6415MHz;TX



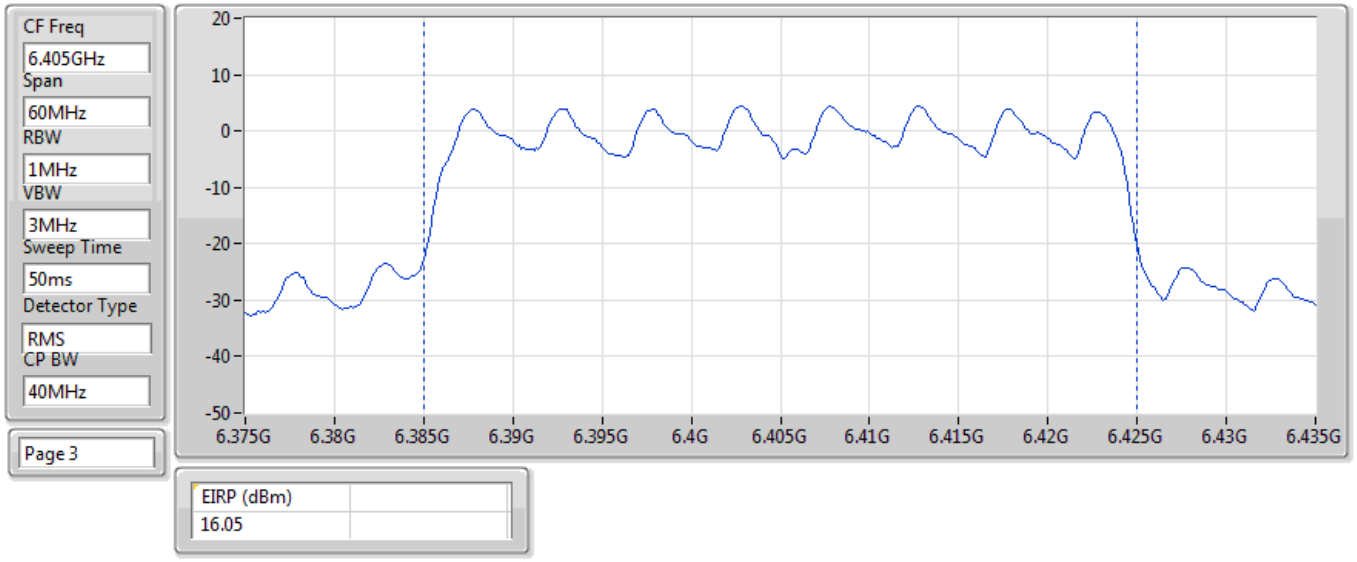
EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:5965MHz;TX



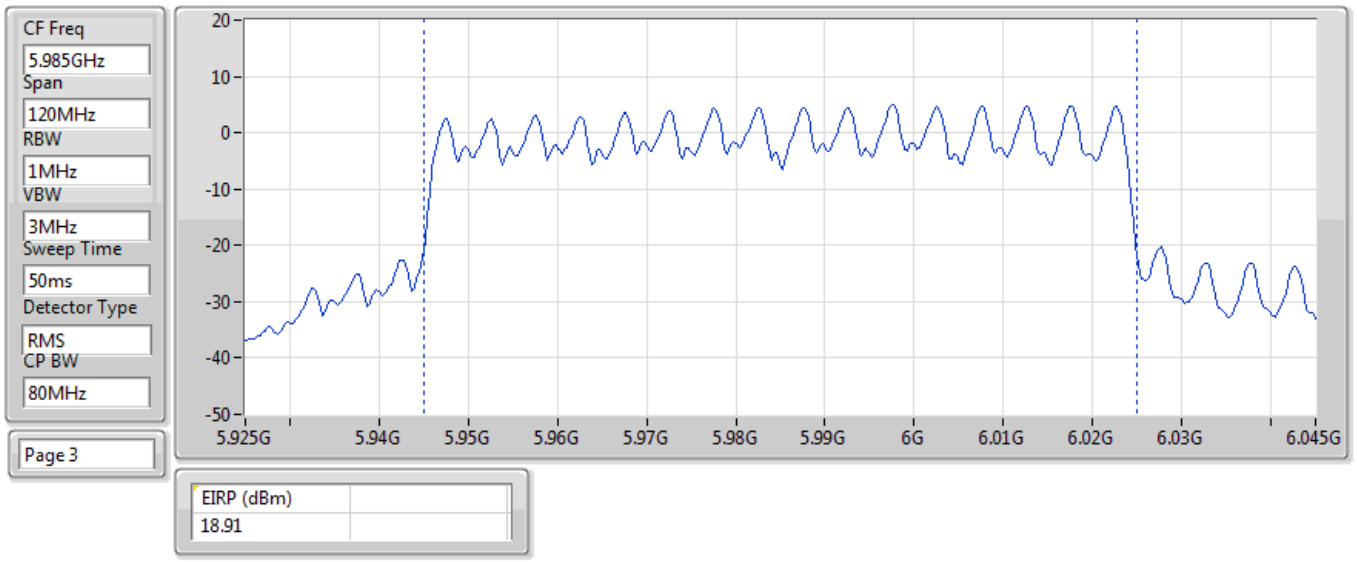
EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6205MHz;TX



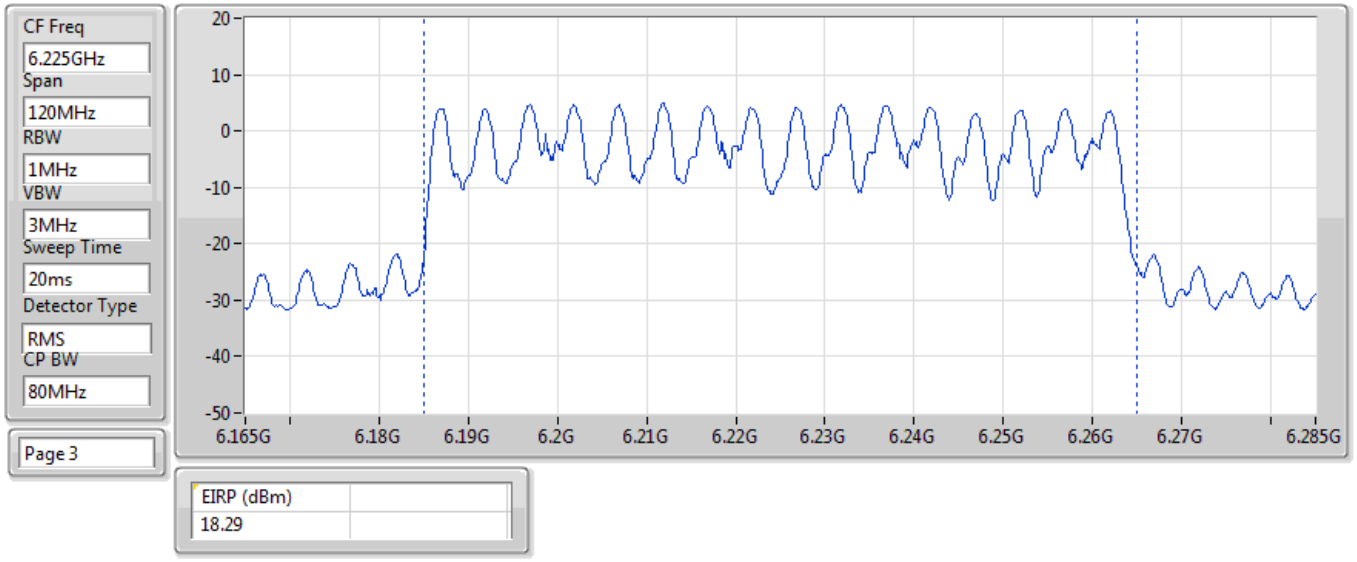
EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6405MHz;TX



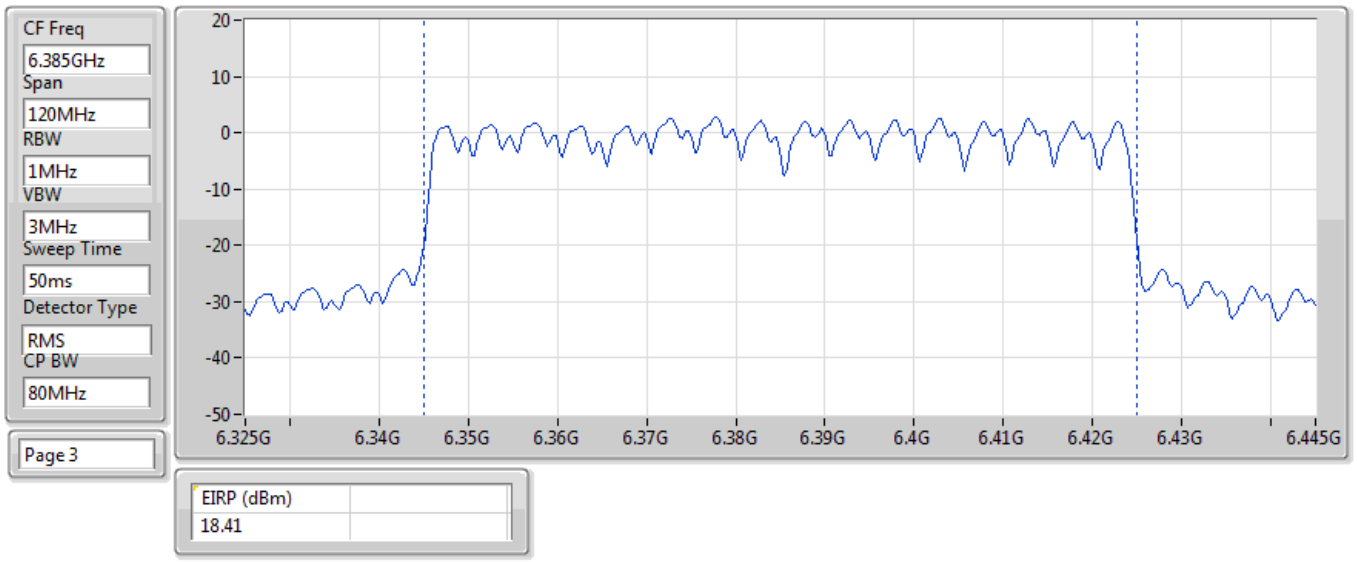
EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:5985MHz;TX



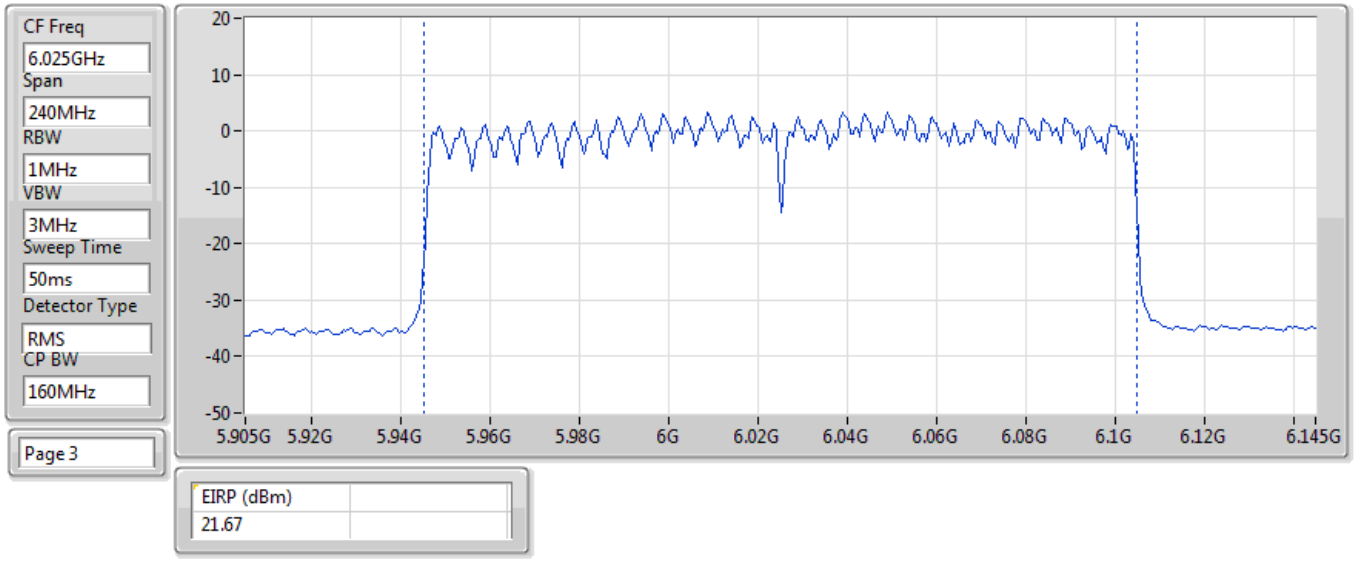
EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6225MHz;TX



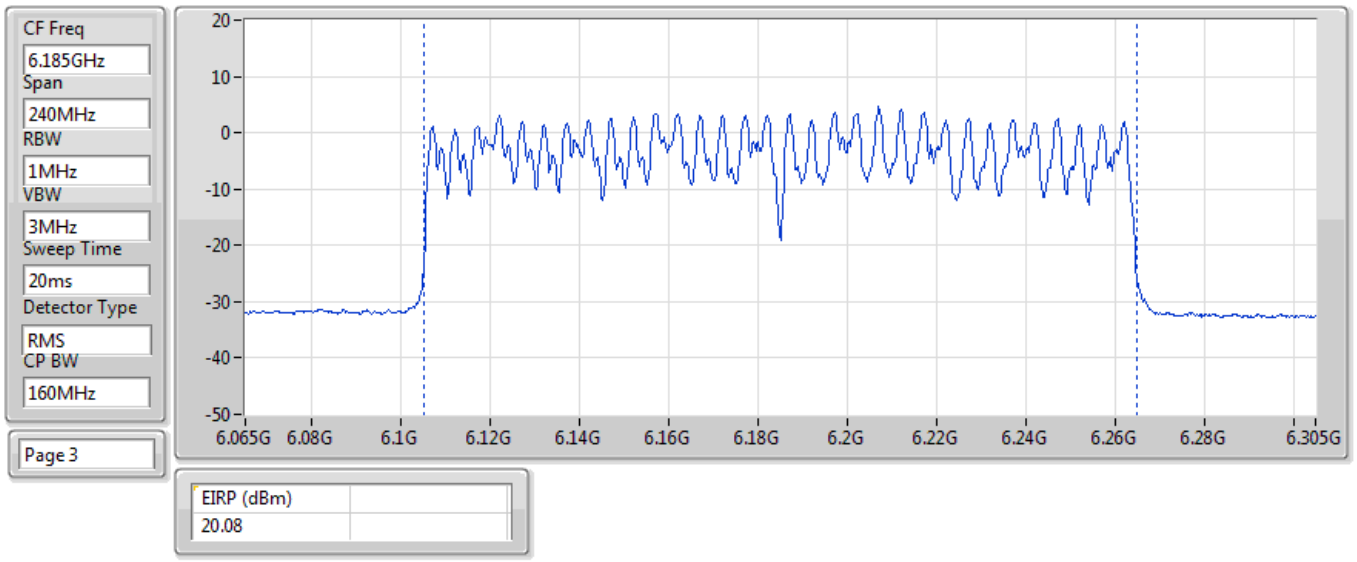
EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6385MHz;TX

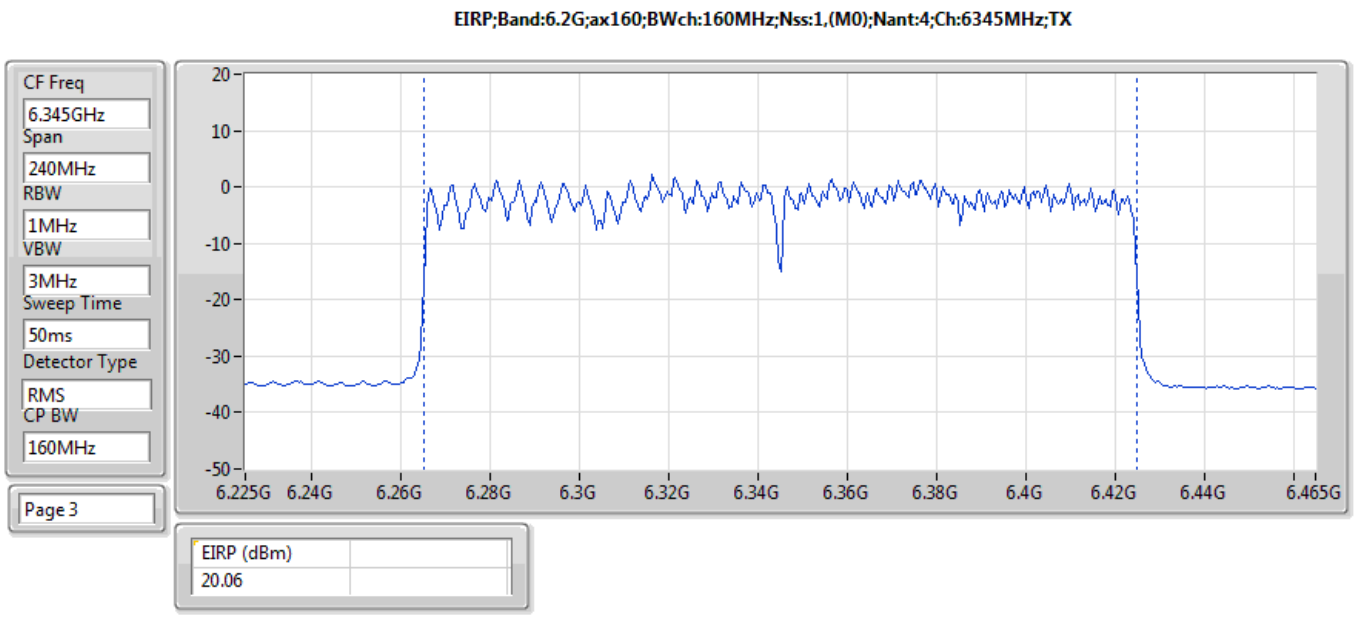


EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6025MHz;TX



EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6185MHz;TX




EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6345MHz;TX
CF Freq
6.345GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
RMS
CP BW
160MHz
Page 3
20
10
0
-10
-20
-30
-40
-50
6.225G
6.24G
6.26G
6.28G
6.3G
6.32G
6.34G
6.36G
6.38G
6.4G
6.42G
6.44G
6.465G
EIRP (dBm)
20.06

Summary

Mode	EIRP PD (dBm/RBW)
5.925-6.425GHz	-
802.11a_Nss1,(6Mbps)_4TX	22.95
802.11ax HEW20_Nss1,(MCS0)_4TX	22.97
802.11ax HEW40_Nss1,(MCS0)_4TX	21.15
802.11ax HEW80_Nss1,(MCS0)_4TX	14.15
802.11ax HEW160_Nss1,(MCS0)_4TX	9.86

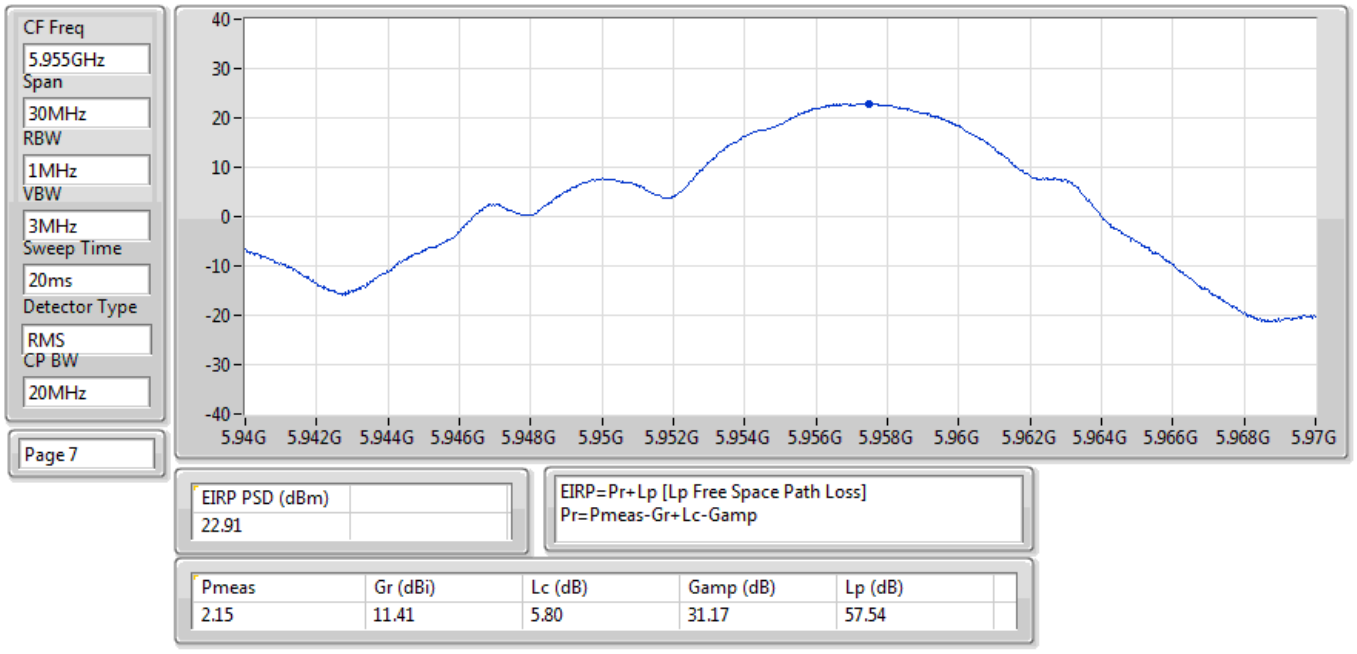
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

Mode	Result	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-
5955MHz	Pass	22.91	23.00
6195MHz	Pass	22.95	23.00
6415MHz	Pass	22.72	23.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-
5955MHz	Pass	20.59	23.00
6195MHz	Pass	22.97	23.00
6415MHz	Pass	18.58	23.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-
5965MHz	Pass	16.30	23.00
6205MHz	Pass	21.15	23.00
6405MHz	Pass	15.55	23.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-
5985MHz	Pass	14.15	23.00
6225MHz	Pass	13.65	23.00
6385MHz	Pass	12.17	23.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-
6025MHz	Pass	9.86	23.00
6185MHz	Pass	7.44	23.00
6345MHz	Pass	7.54	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;

EIRP PSD;Band:6.2G;11a;BWch:20MHz;Nss:1,(6D);Nant:4;Ch:5955MHz;TX

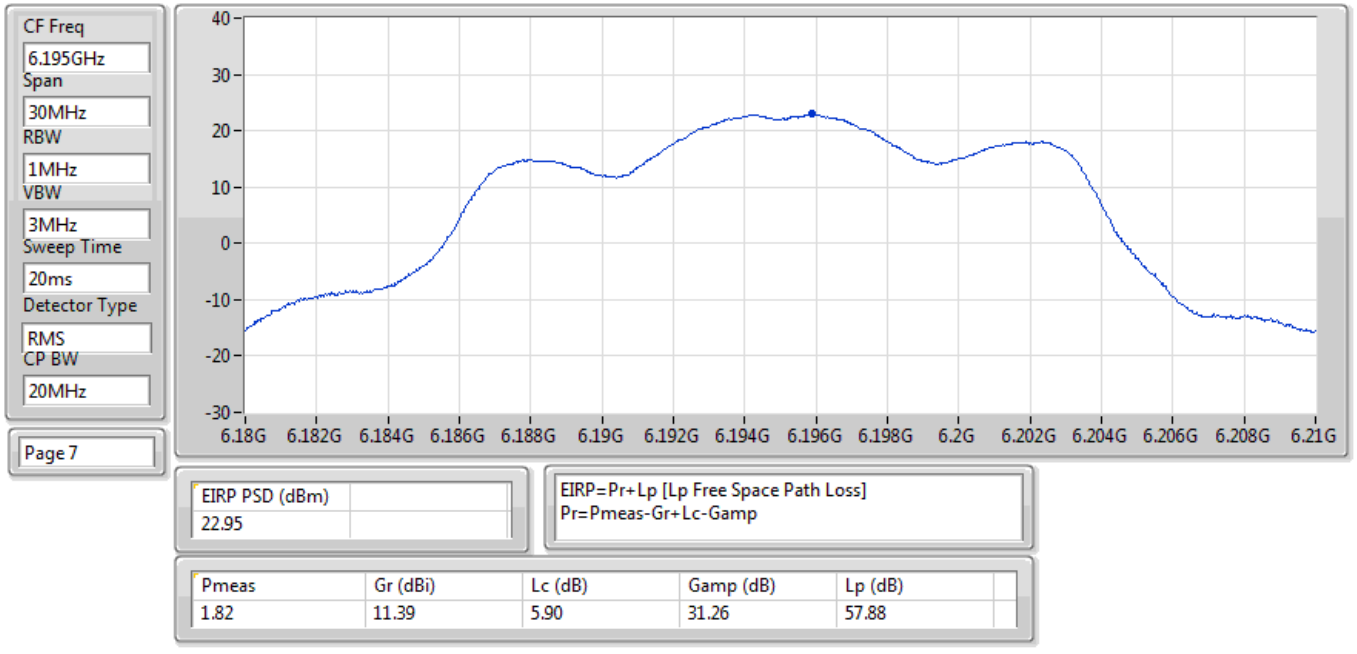


EIRP PSD (dBm)
22.91

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
2.15	11.41	5.80	31.17	57.54

EIRP PSD;Band:6.2G;11a;BWch:20MHz;Nss:1,(6D);Nant:4;Ch:6195MHz;TX

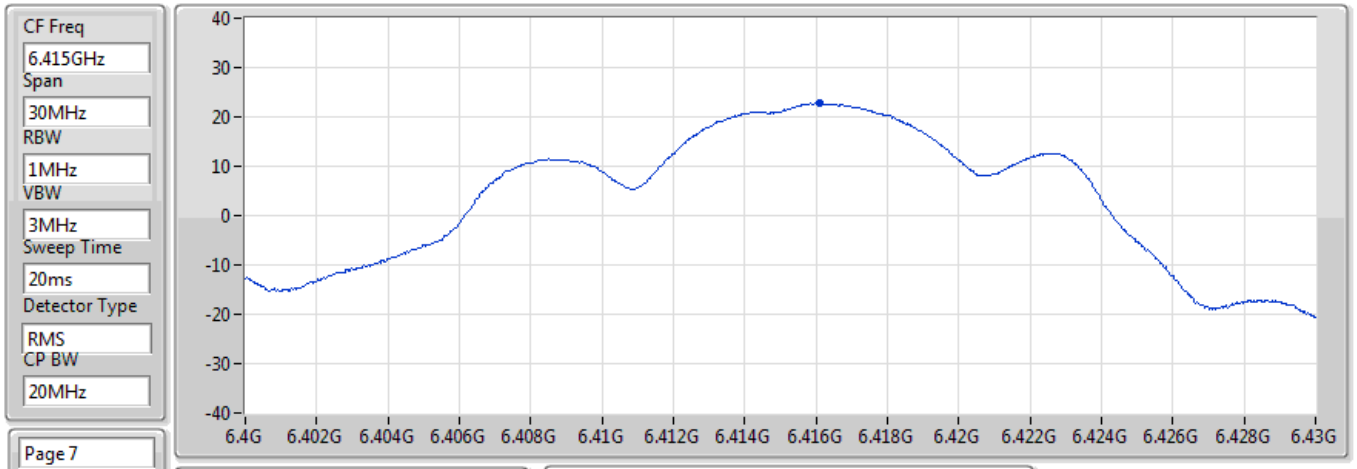


EIRP PSD (dBm)
22.95

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
1.82	11.39	5.90	31.26	57.88

EIRP PSD;Band:6.2G;11a;BWch:20MHz;Nss:1,(6D);Nant:4;Ch:6415MHz;TX

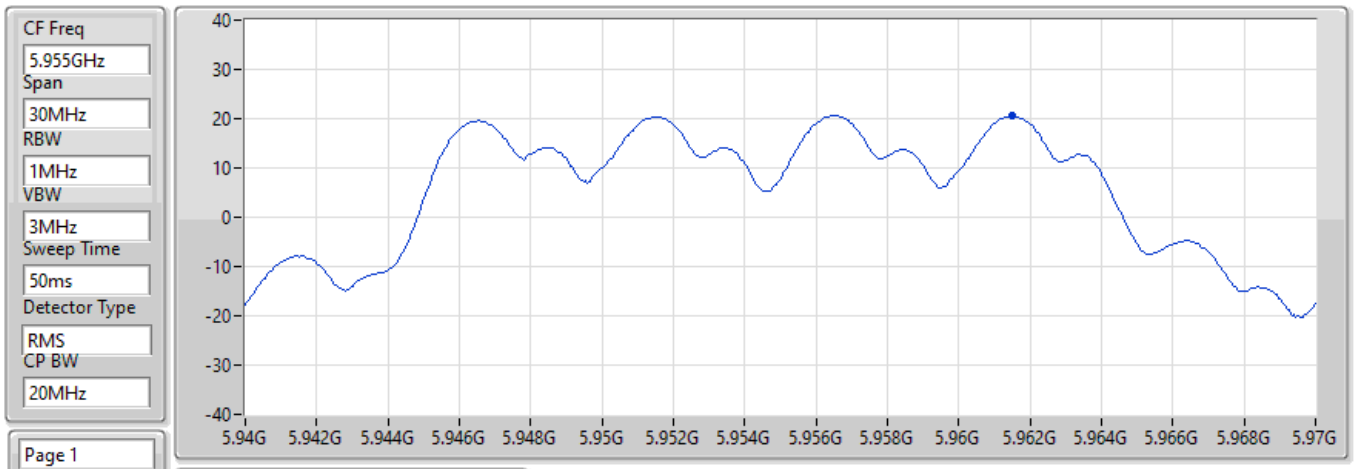


EIRP PSD (dBm)
22.72

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

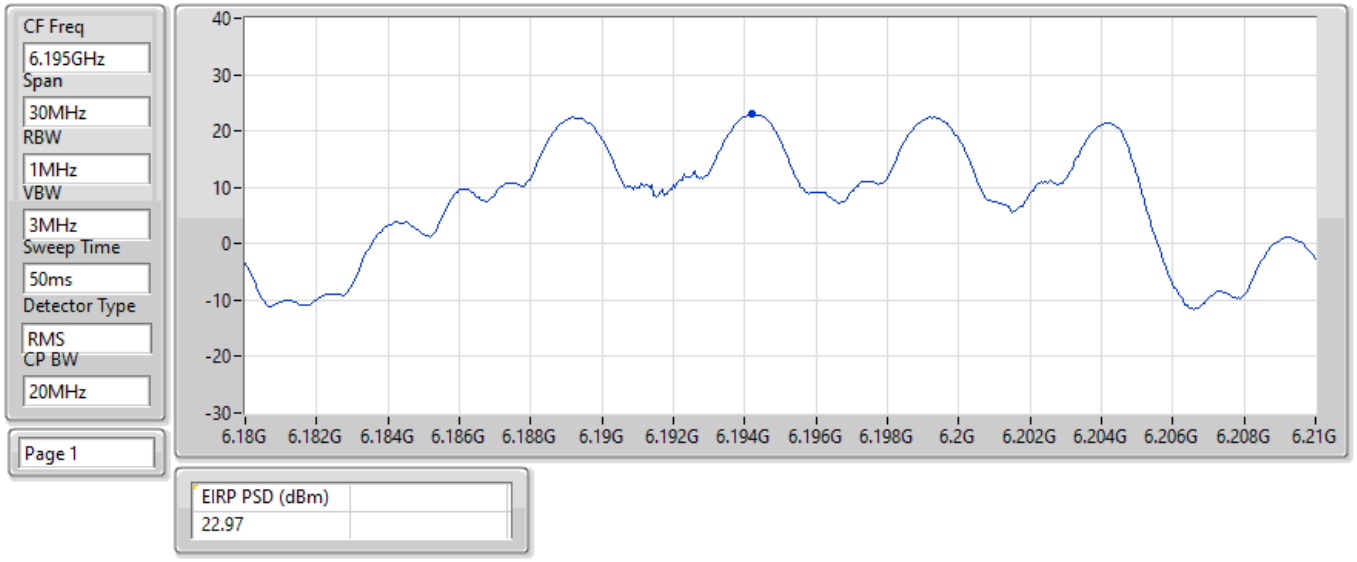
Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
1.74	11.86	5.98	31.33	58.19

EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:5955MHz;TX



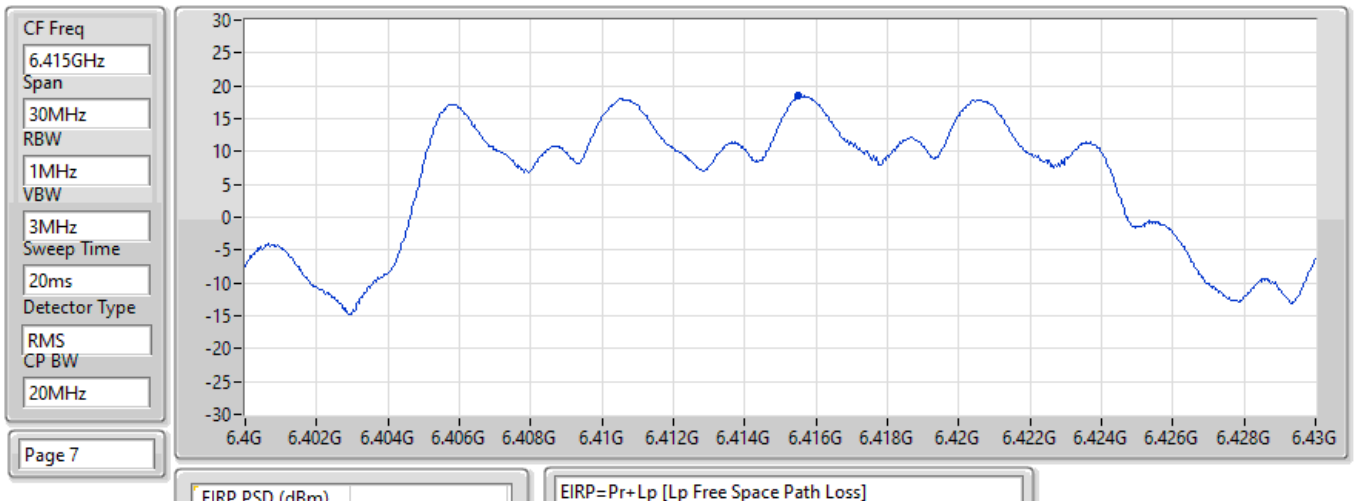
EIRP PSD (dBm)
20.59

EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6195MHz;TX



EIRP PSD (dBm)
22.97

EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6415MHz;TX

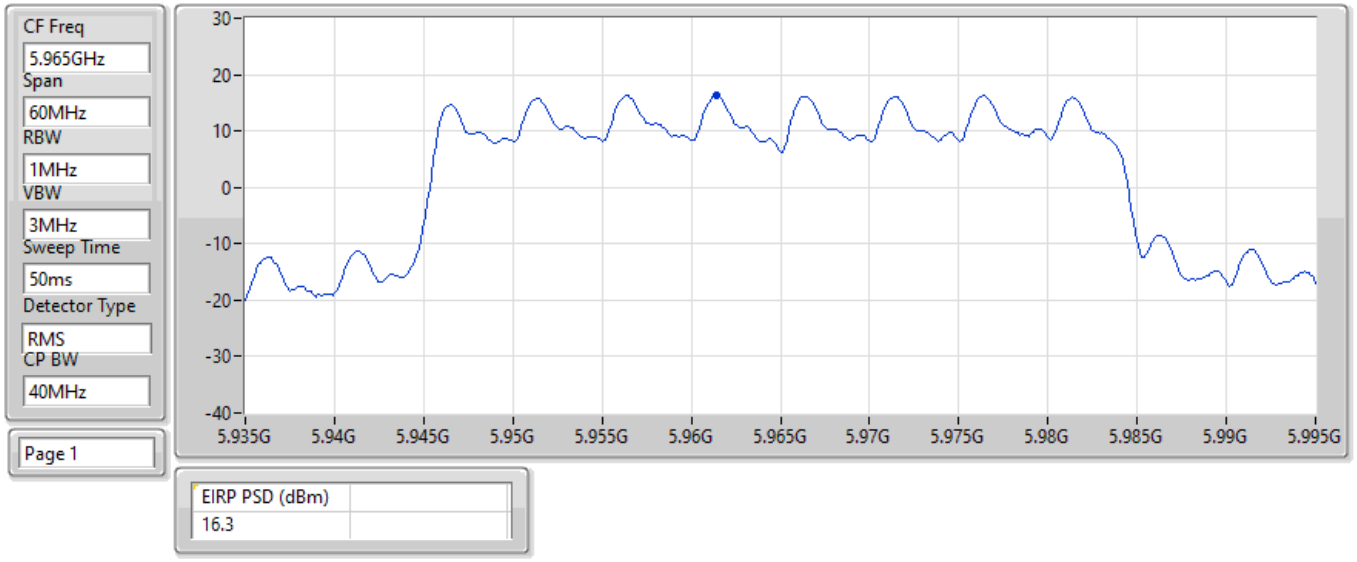


EIRP PSD (dBm)
18.58

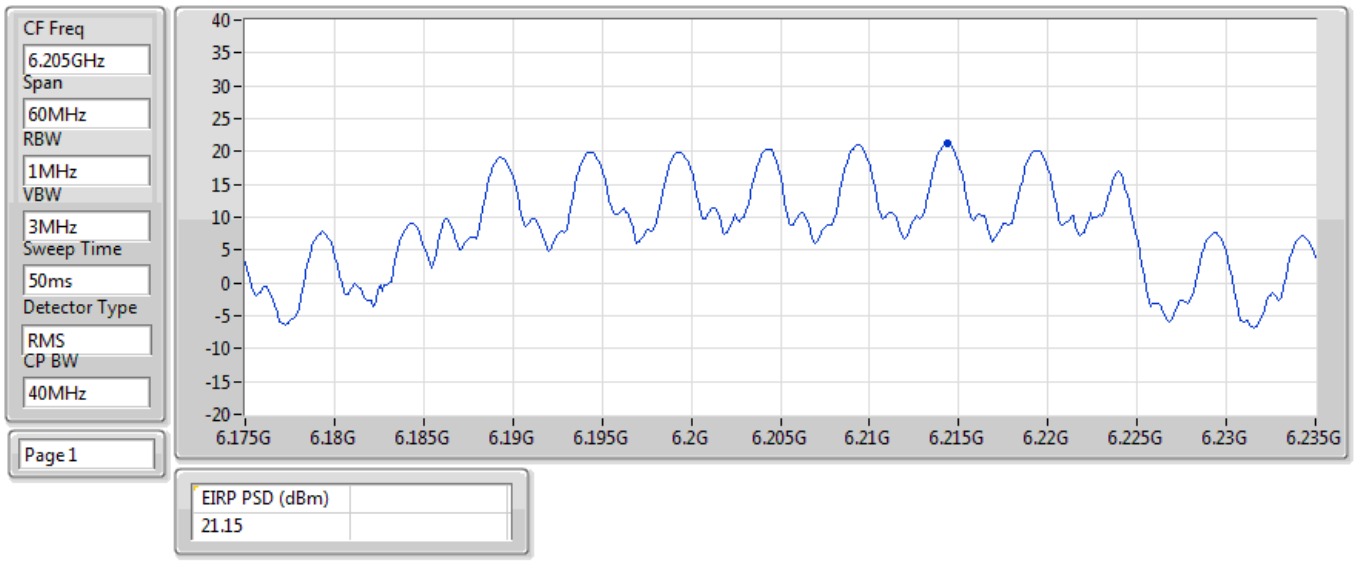
EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-1.64	11.10	6.65	33.52	58.19

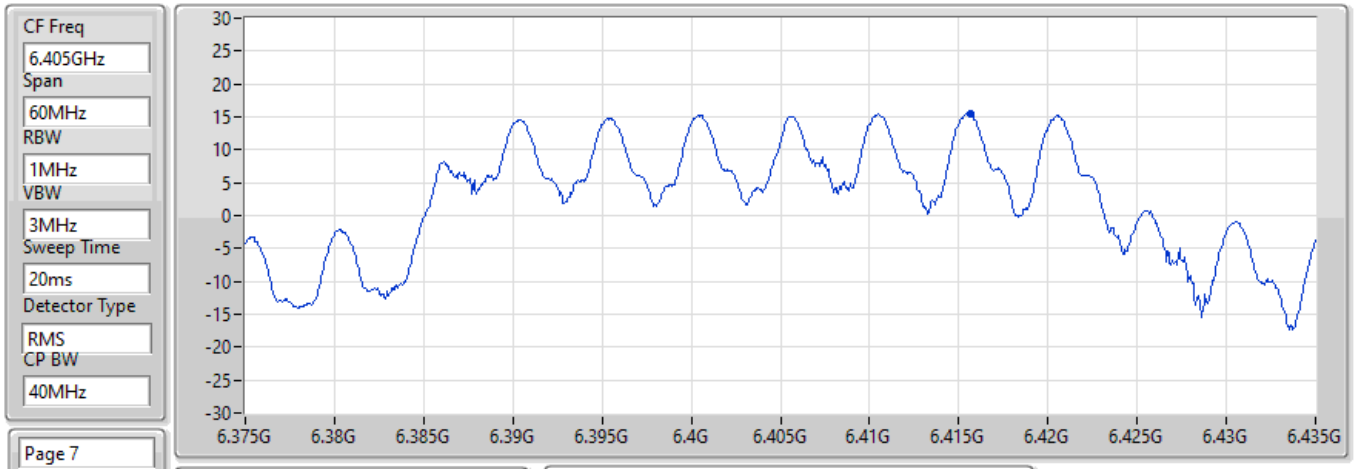
EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:5965MHz;TX



EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6205MHz;TX



EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6405MHz;TX

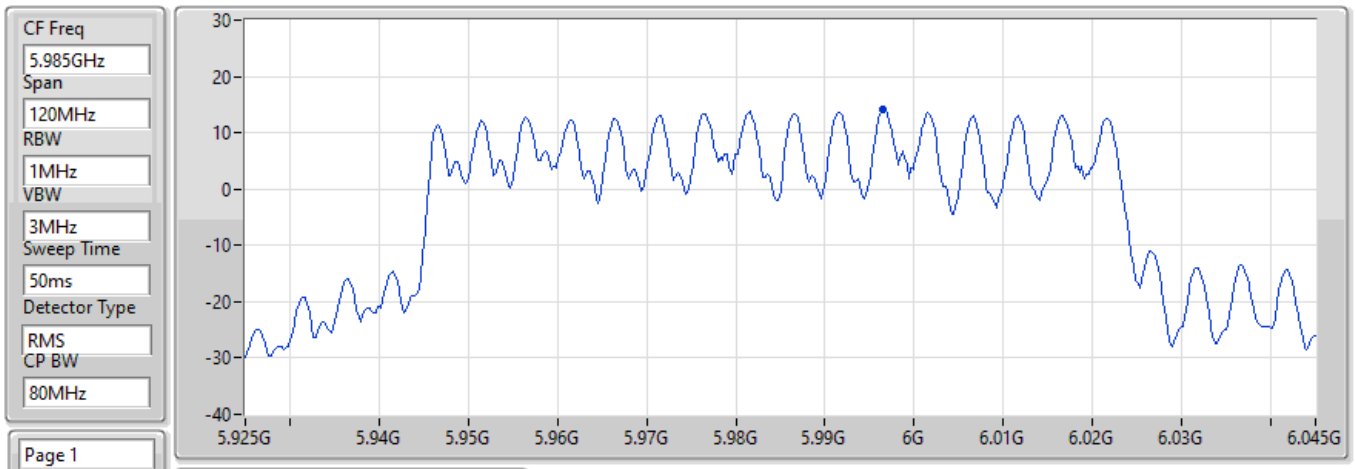


EIRP PSD (dBm)
15.55

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

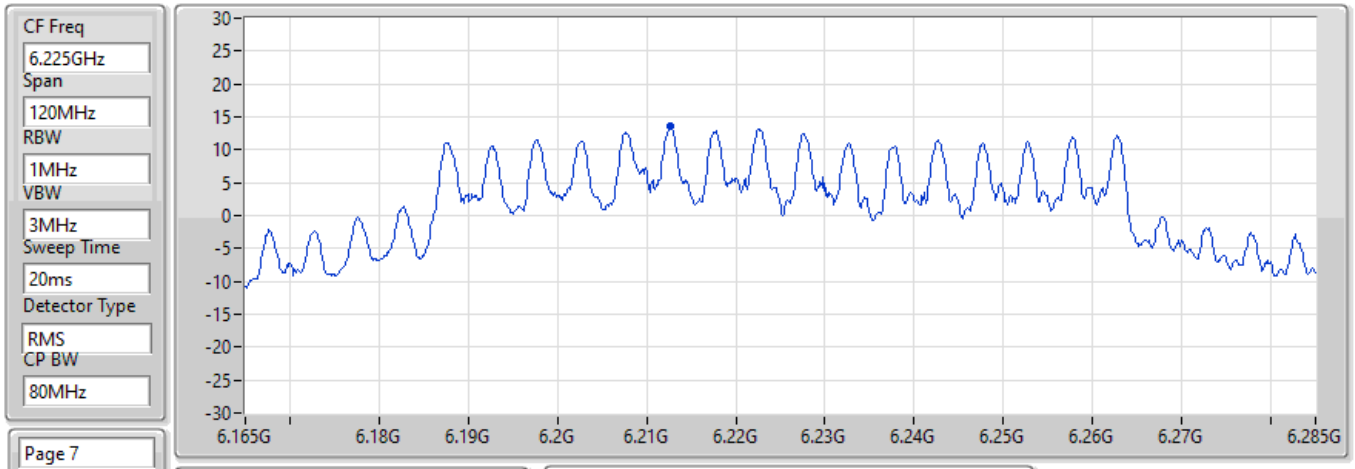
Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-4.67	11.10	6.65	33.52	58.19

EIRP PSD;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:5985MHz;TX



EIRP PSD (dBm)
14.15

EIRP PSD;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6225MHz;TX

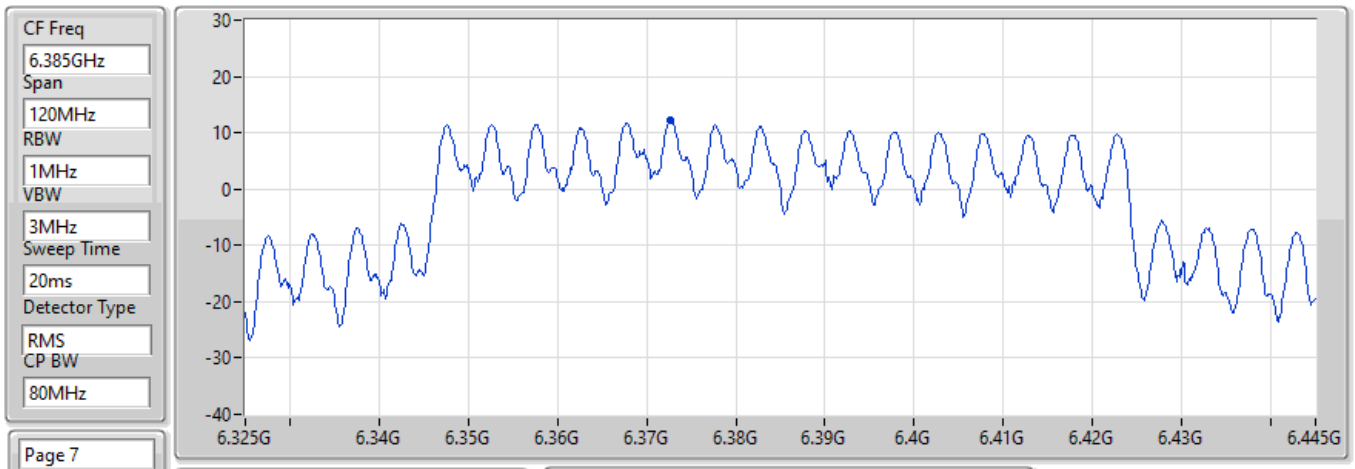


EIRP PSD (dBm)
13.65

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-6.51	10.83	6.61	33.53	57.91

EIRP PSD;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6385MHz;TX

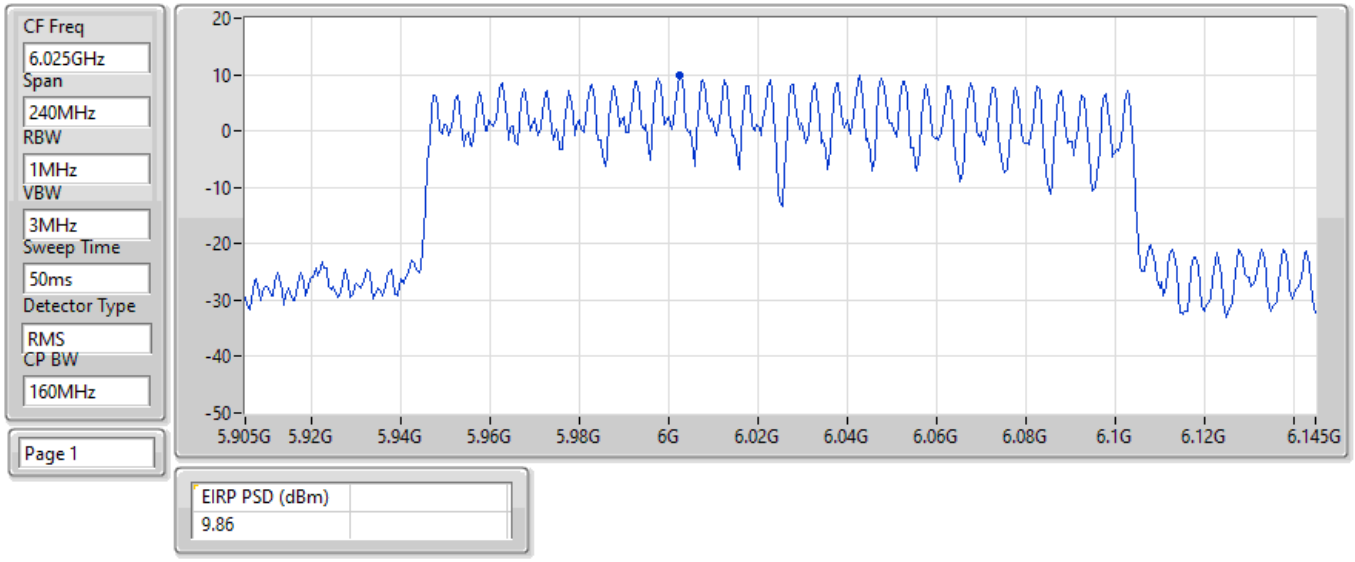


EIRP PSD (dBm)
12.17

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

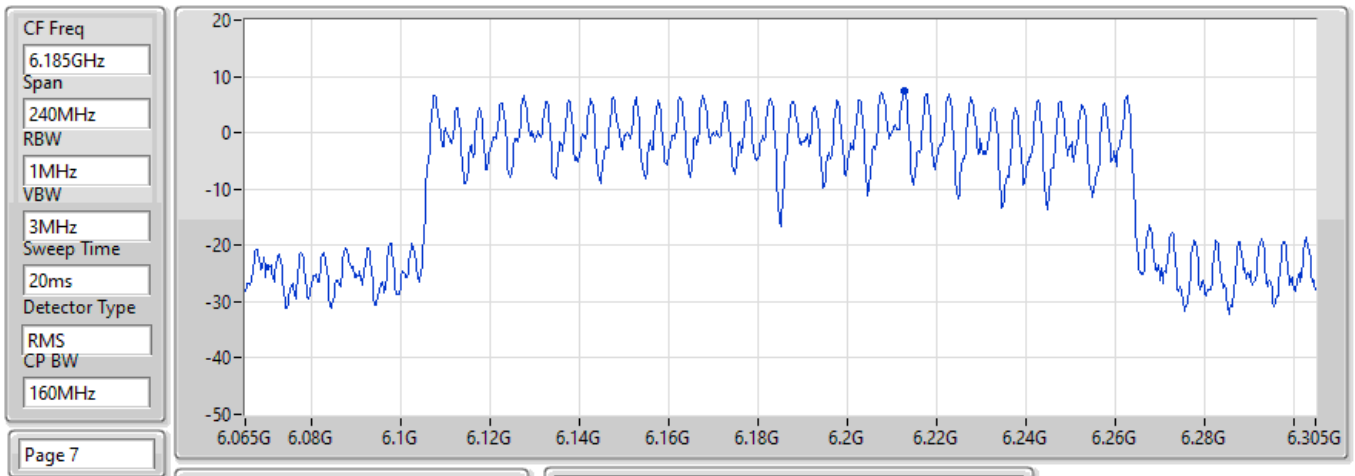
Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-7.92	11.15	6.63	33.52	58.13

EIRP PSD;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6025MHz;TX



EIRP PSD (dBm)
9.86

EIRP PSD;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6185MHz;TX

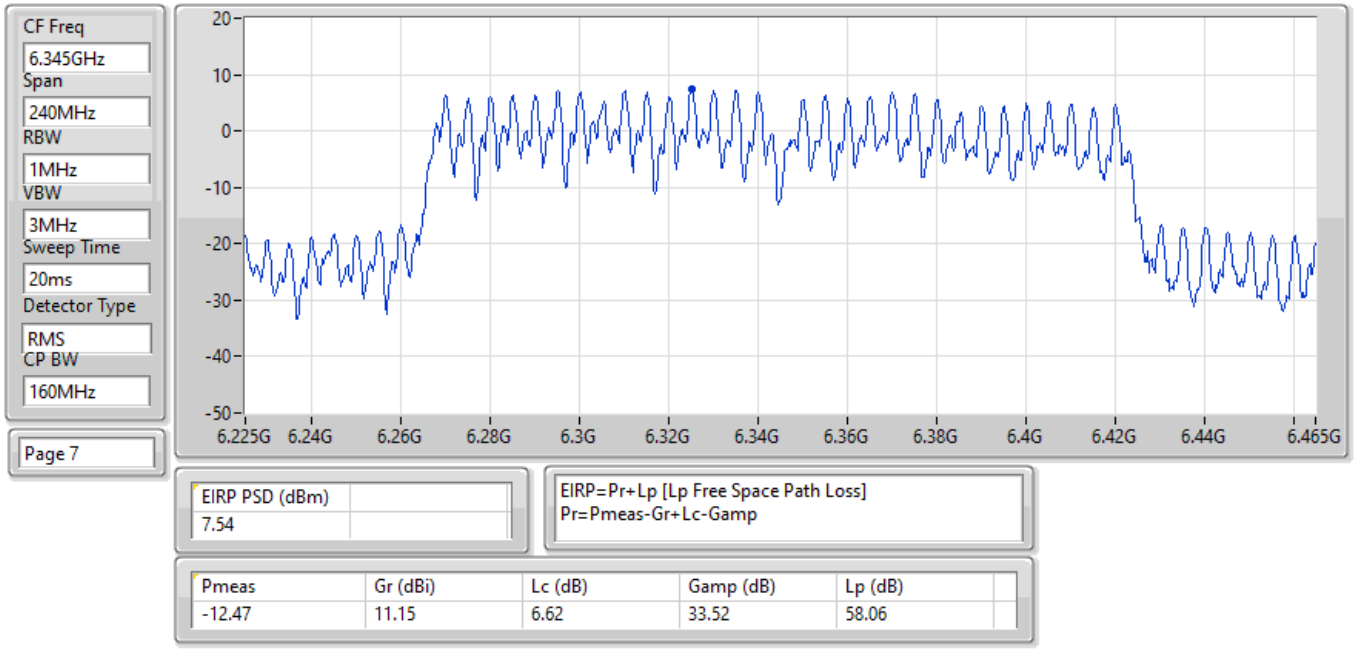


EIRP PSD (dBm)
7.44

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-12.72	10.83	6.61	33.53	57.91

EIRP PSD;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6345MHz;TX



EIRP PSD (dBm)
7.54

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-12.47	11.15	6.62	33.52	58.06

Summary

Mode	EIRP PD (dBm/RBW)
5.925-6.425GHz	-
802.11a_Nss1,(6Mbps)_4TX	4.87
802.11ax HEW20_Nss1,(MCS0)_4TX	4.99
802.11ax HEW40_Nss1,(MCS0)_4TX	4.97
802.11ax HEW80_Nss1,(MCS0)_4TX	4.78
802.11ax HEW160_Nss1,(MCS0)_4TX	4.99

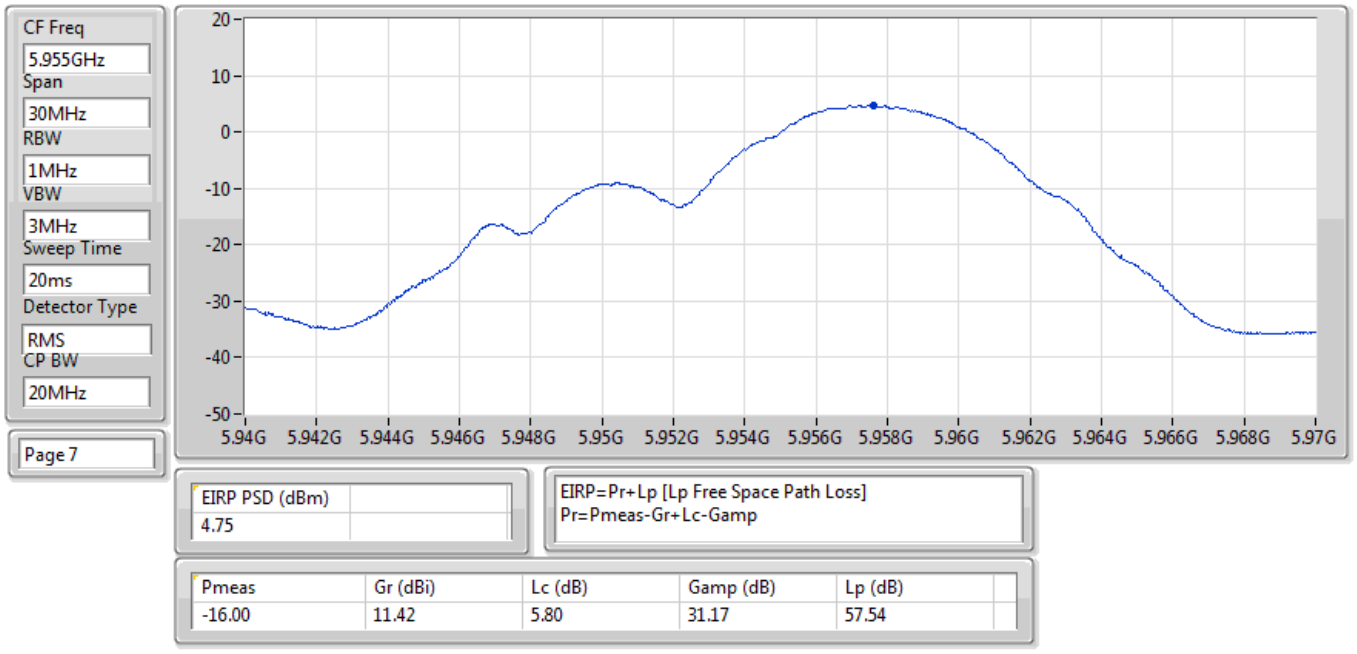
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

Mode	Result	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-
5955MHz	Pass	4.75	5.00
6195MHz	Pass	4.87	5.00
6415MHz	Pass	4.85	5.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-
5955MHz	Pass	4.90	5.00
6195MHz	Pass	4.78	5.00
6415MHz	Pass	4.99	5.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-
5965MHz	Pass	4.46	5.00
6205MHz	Pass	4.97	5.00
6405MHz	Pass	4.97	5.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-
5985MHz	Pass	4.61	5.00
6225MHz	Pass	4.78	5.00
6385MHz	Pass	4.77	5.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-
6025MHz	Pass	4.91	5.00
6185MHz	Pass	4.86	5.00
6345MHz	Pass	4.99	5.00

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;

EIRP PSD;Band:6.2G;11a;BWch:20MHz;Nss:1,(6D);Nant:4;Ch:5955MHz;TX

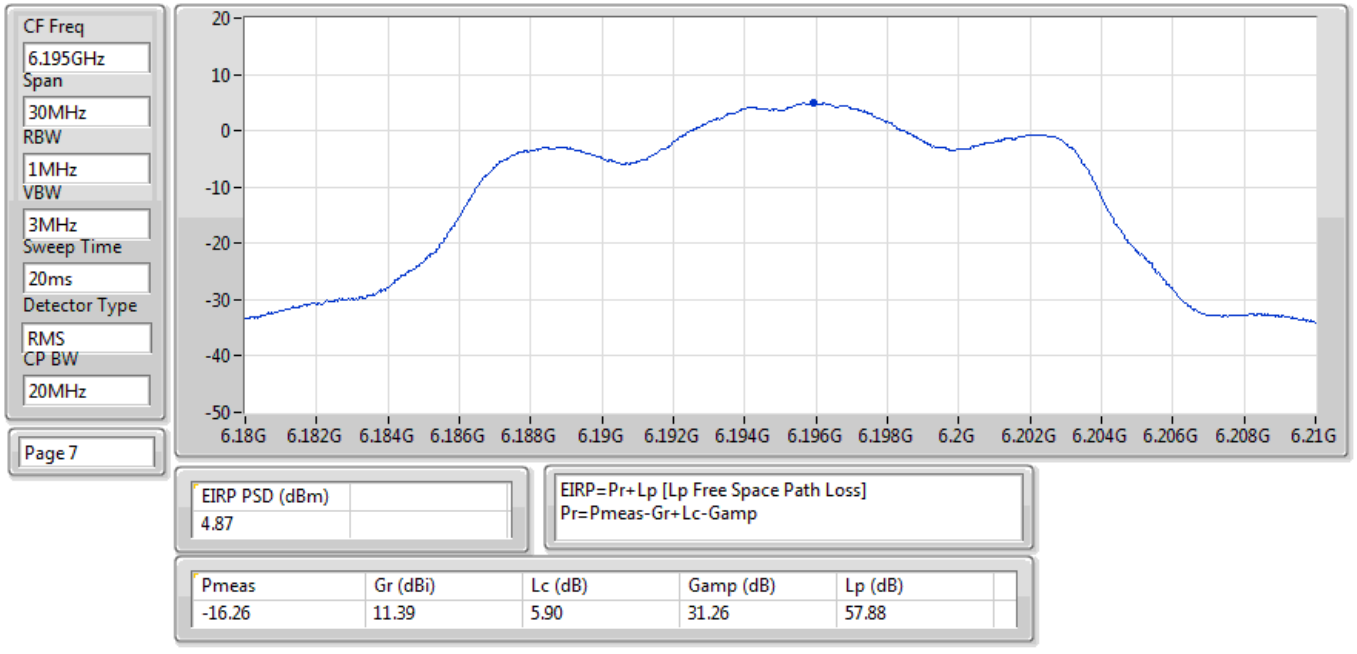


EIRP PSD (dBm)
4.75

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-16.00	11.42	5.80	31.17	57.54

EIRP PSD;Band:6.2G;11a;BWch:20MHz;Nss:1,(6D);Nant:4;Ch:6195MHz;TX

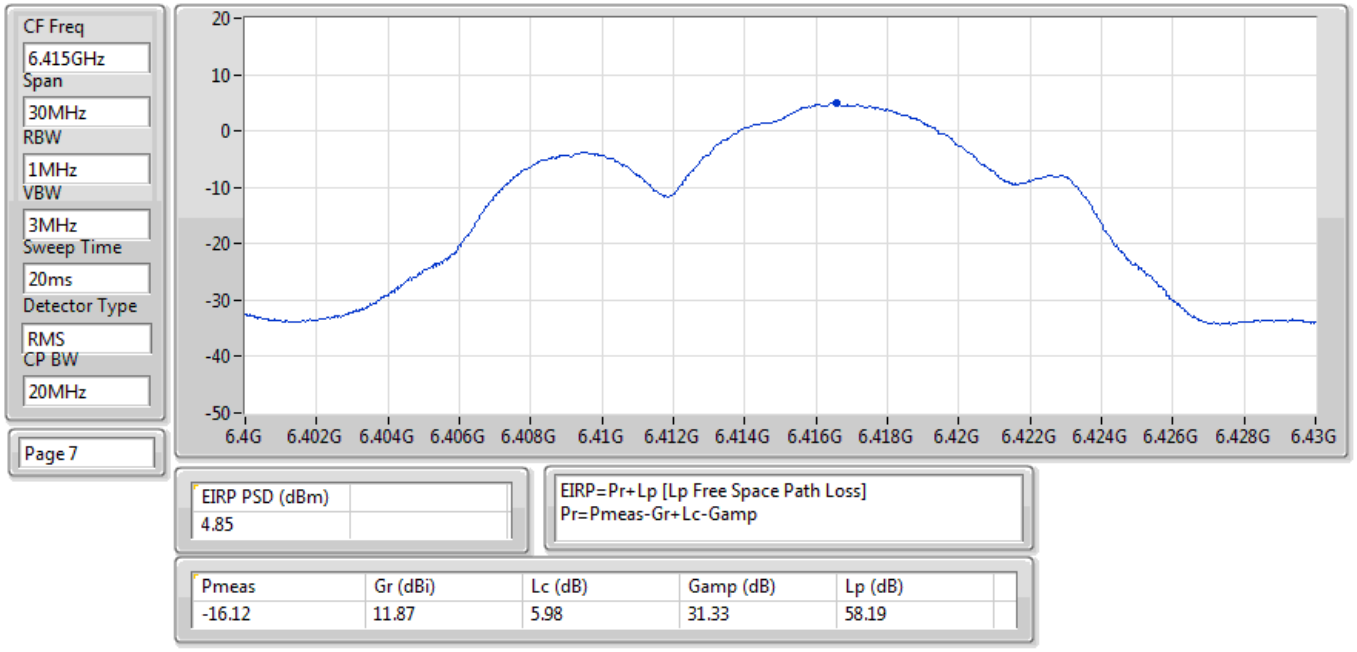


EIRP PSD (dBm)
4.87

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-16.26	11.39	5.90	31.26	57.88

EIRP PSD;Band:6.2G;11a;BWch:20MHz;Nss:1,(6D);Nant:4;Ch:6415MHz;TX

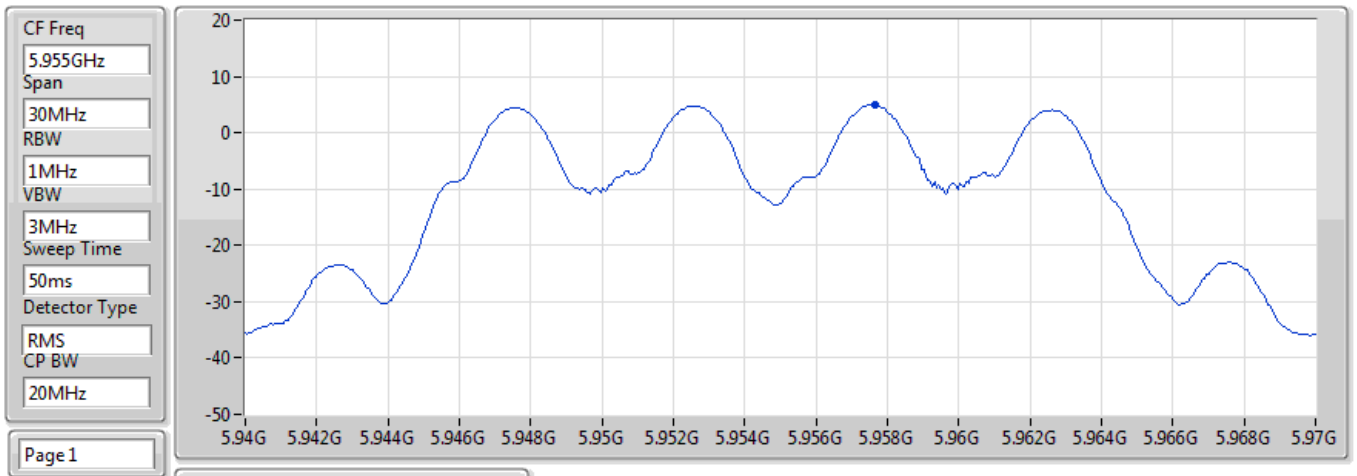


EIRP PSD (dBm)
4.85

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

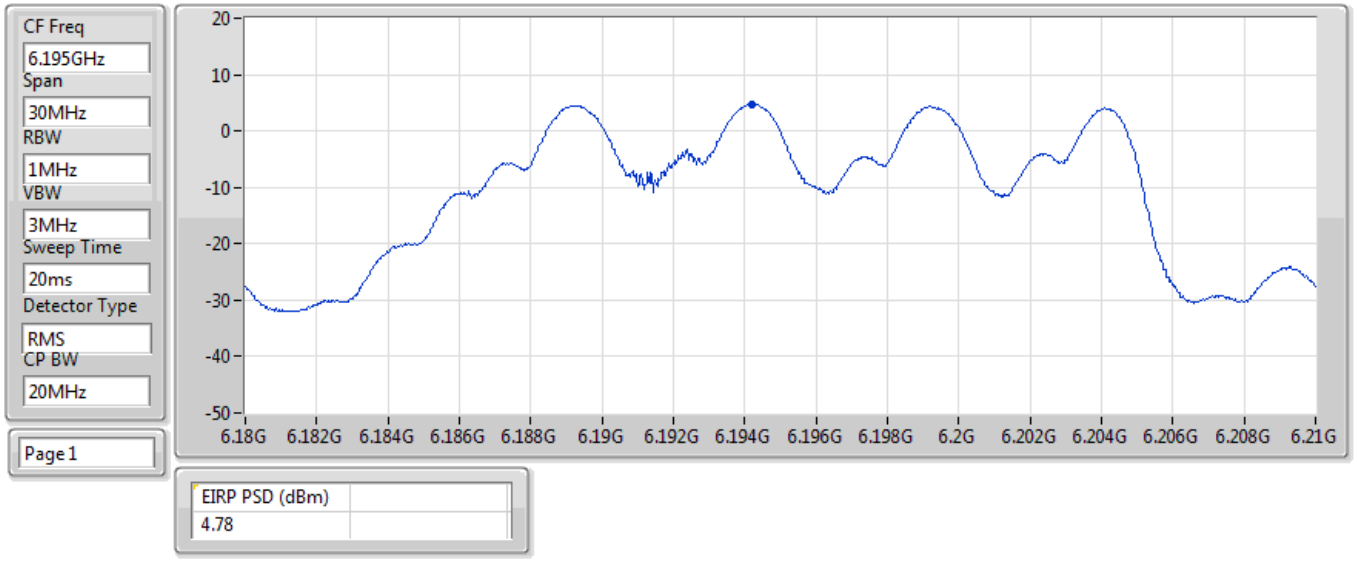
Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-16.12	11.87	5.98	31.33	58.19

EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:5955MHz;TX

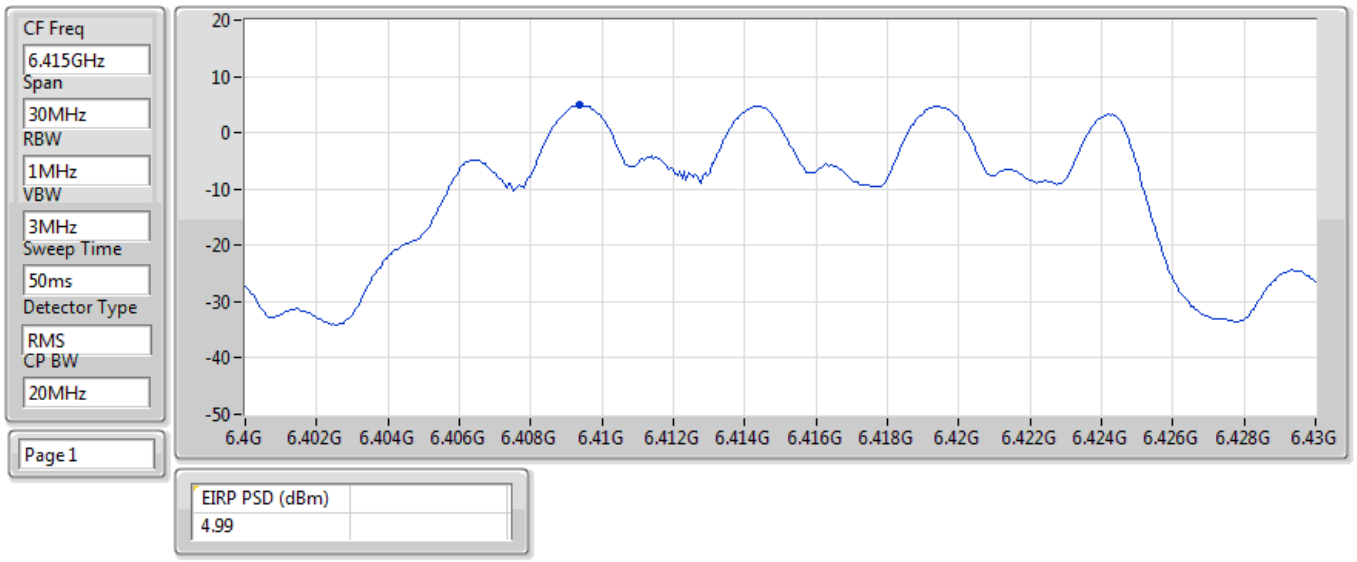


EIRP PSD (dBm)
4.9

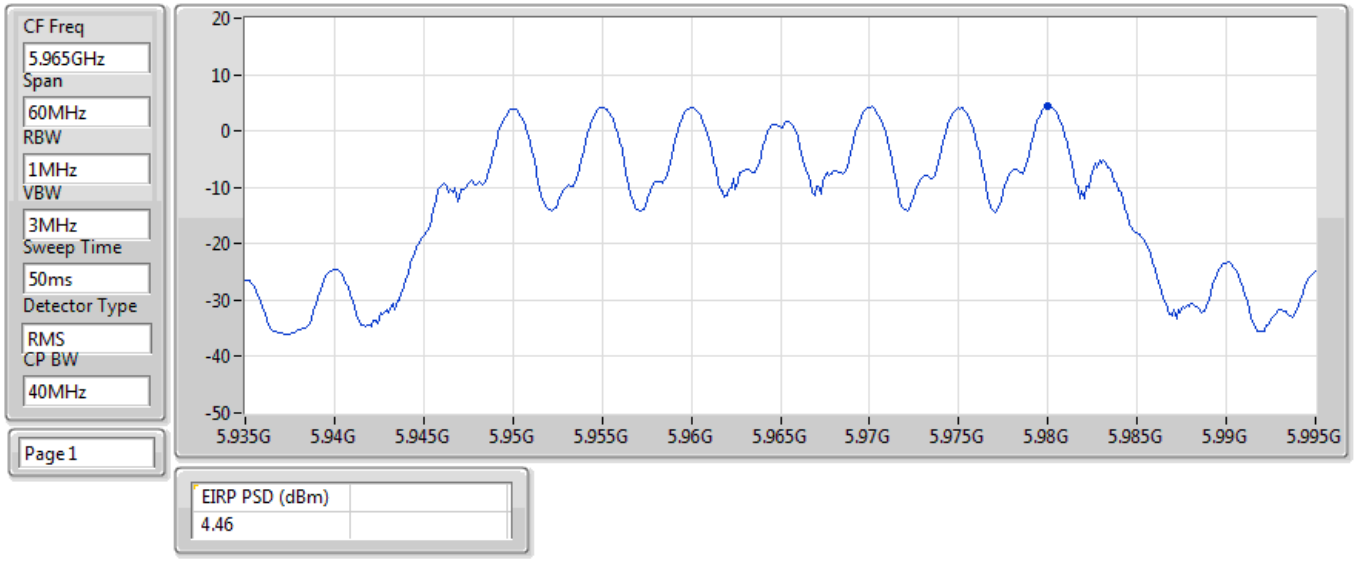
EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6195MHz;TX



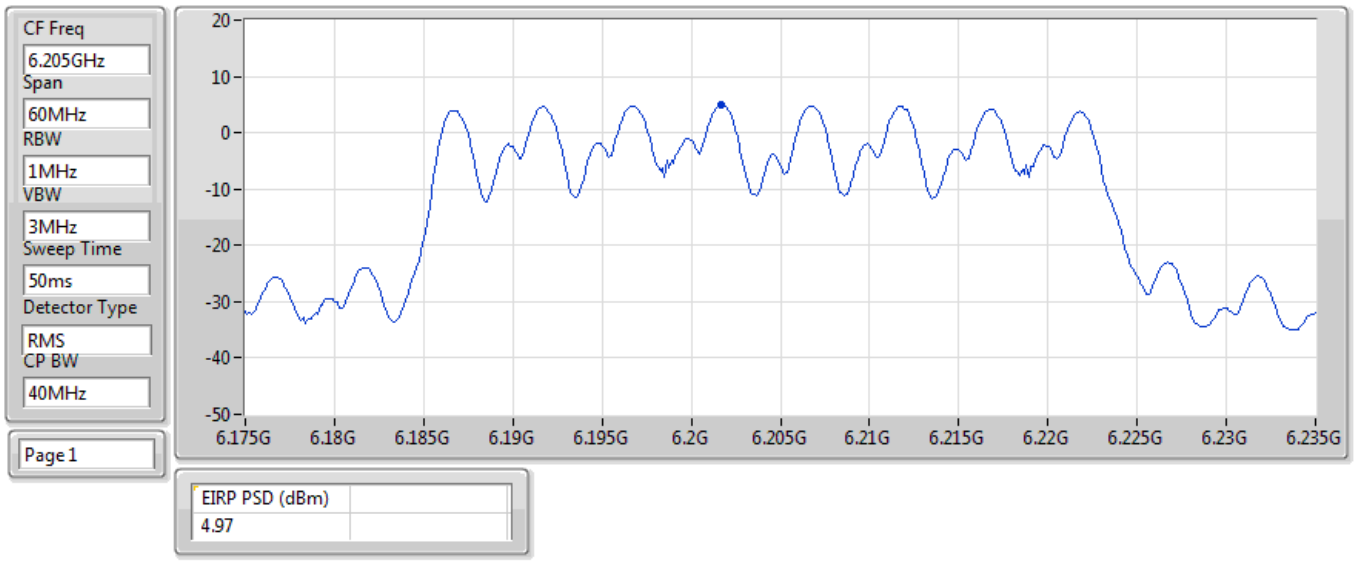
EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6415MHz;TX



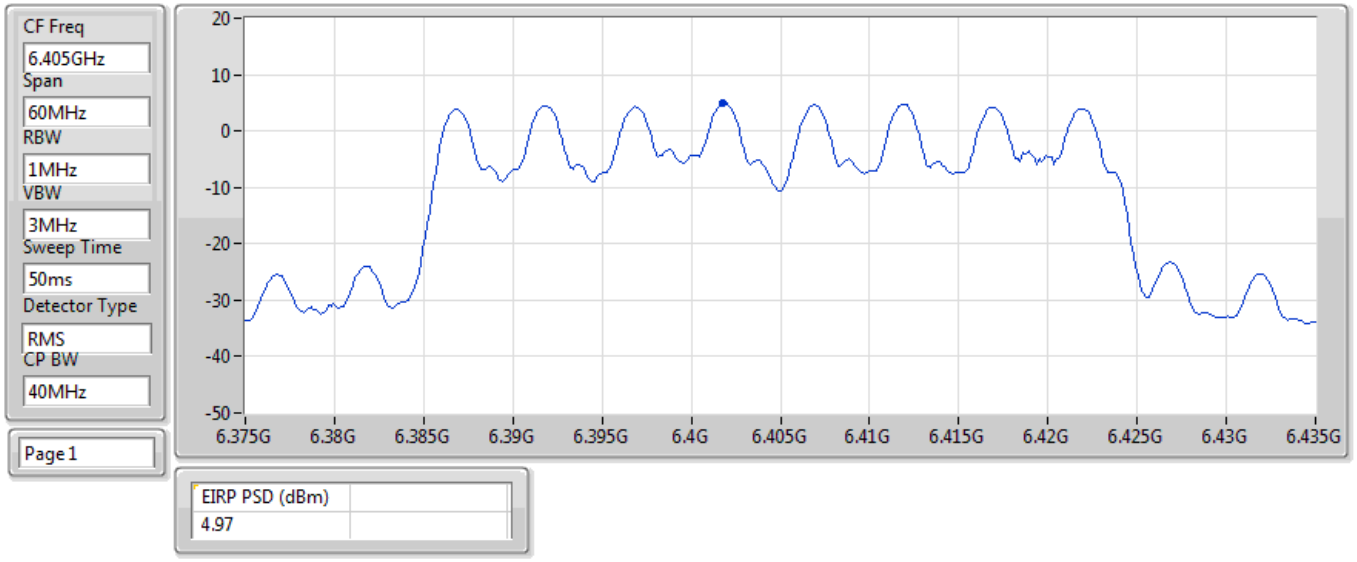
EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:5965MHz;TX



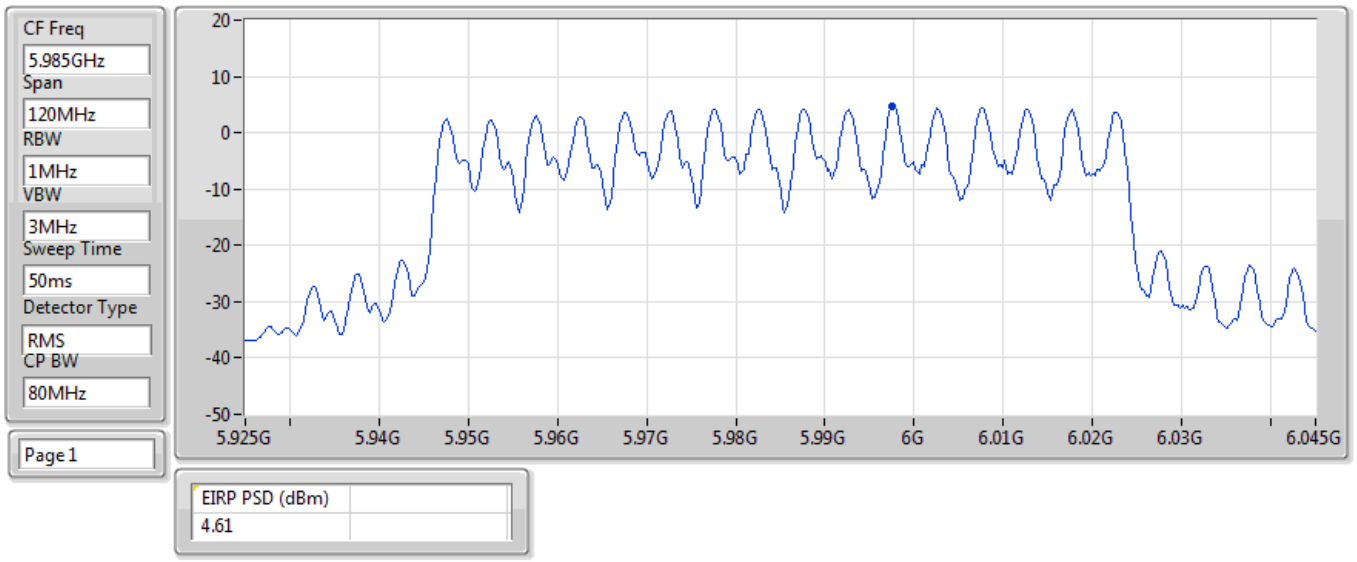
EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6205MHz;TX



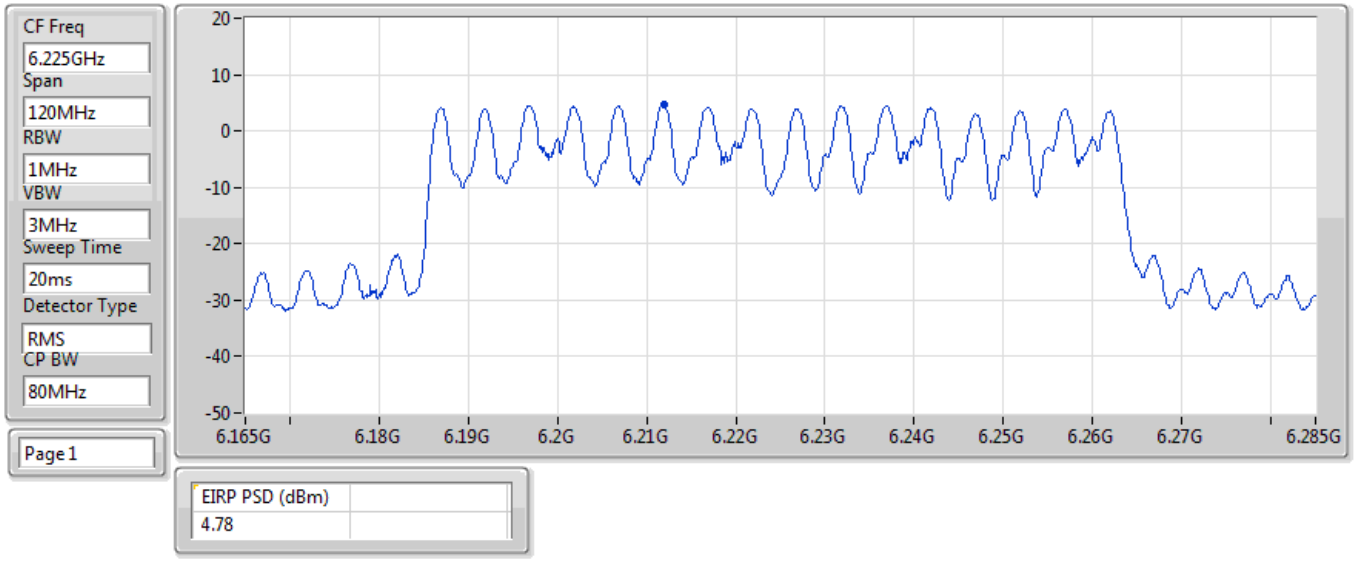
EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6405MHz;TX



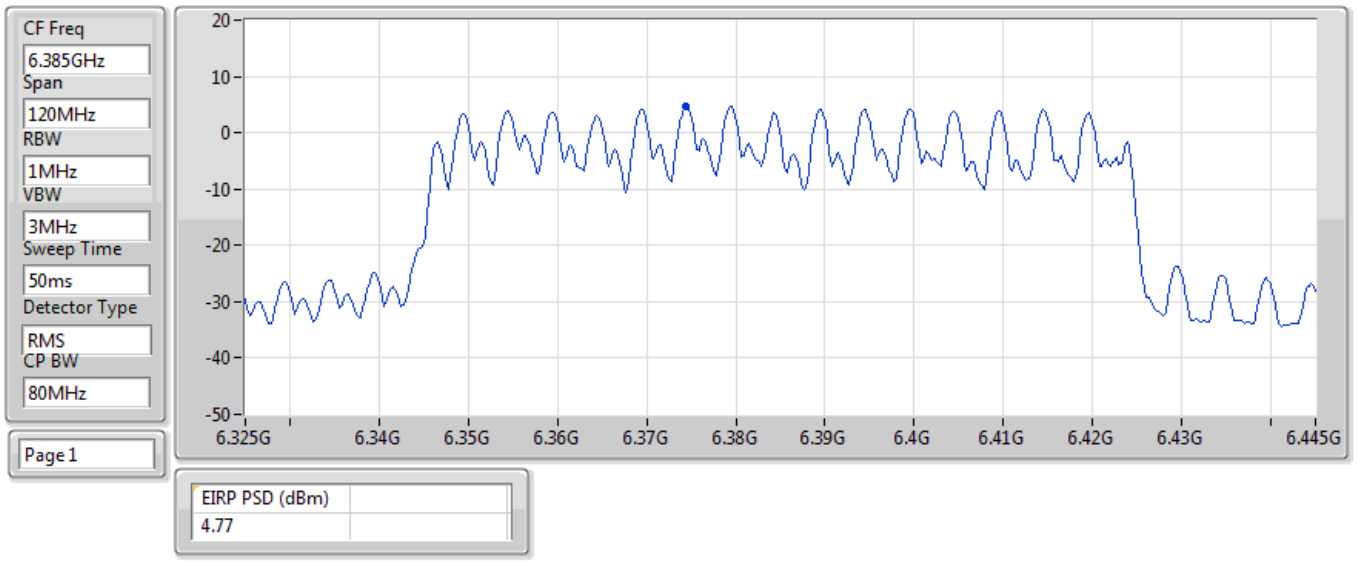
EIRP PSD;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:5985MHz;TX



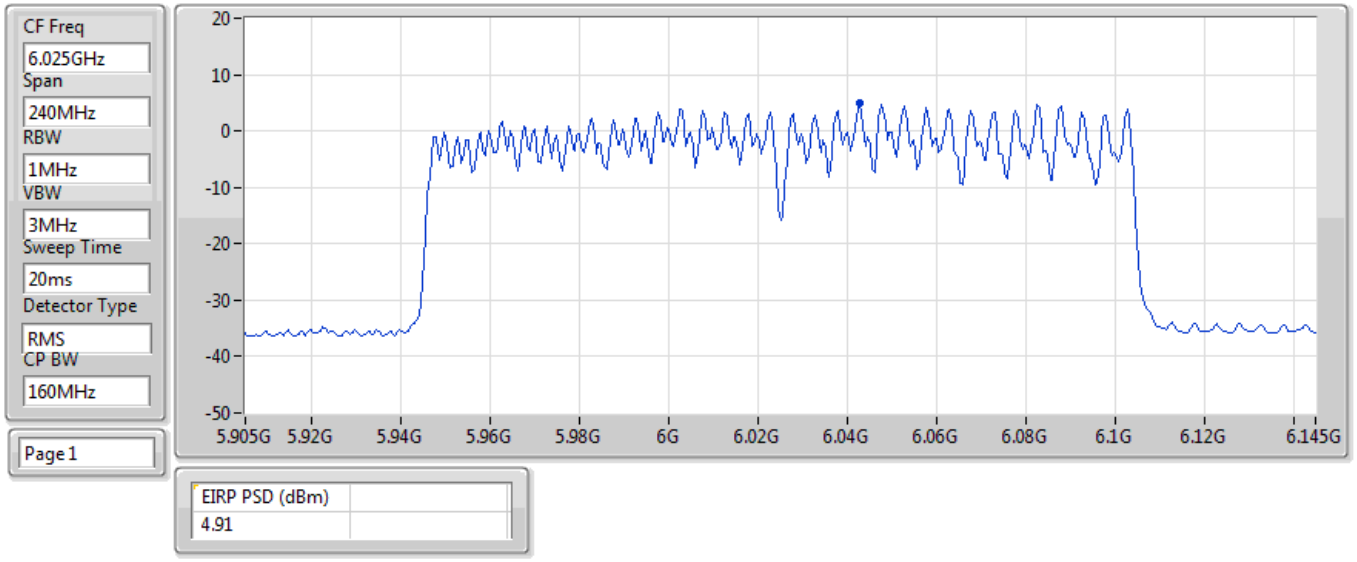
EIRP PSD;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6225MHz;TX



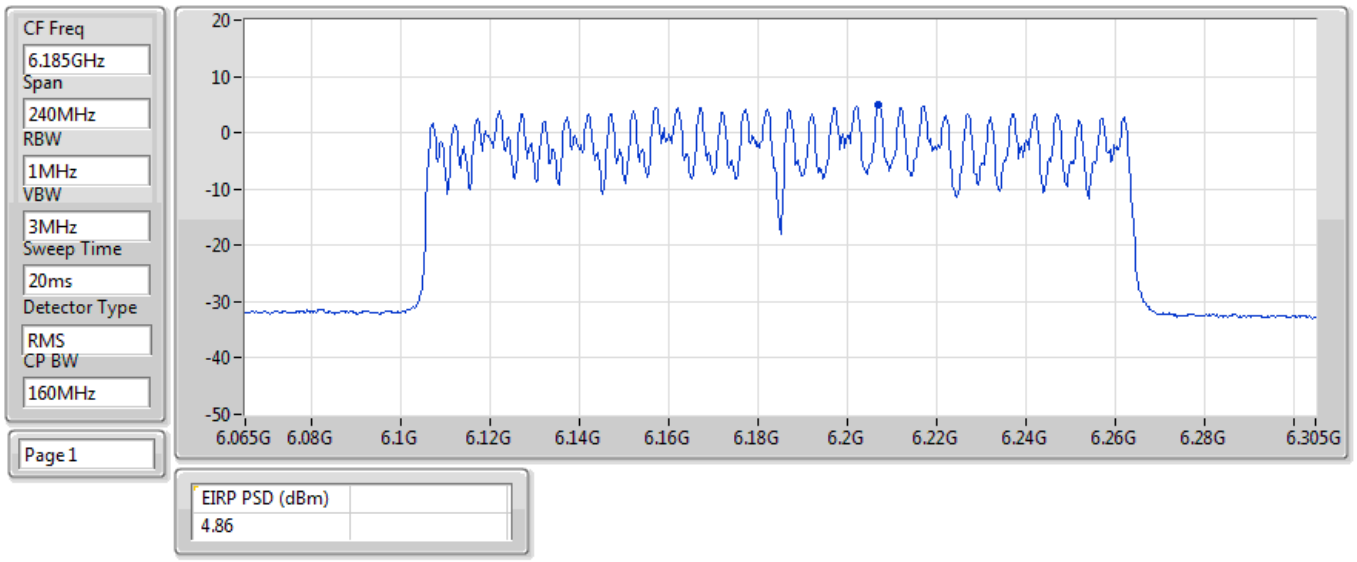
EIRP PSD;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6385MHz;TX

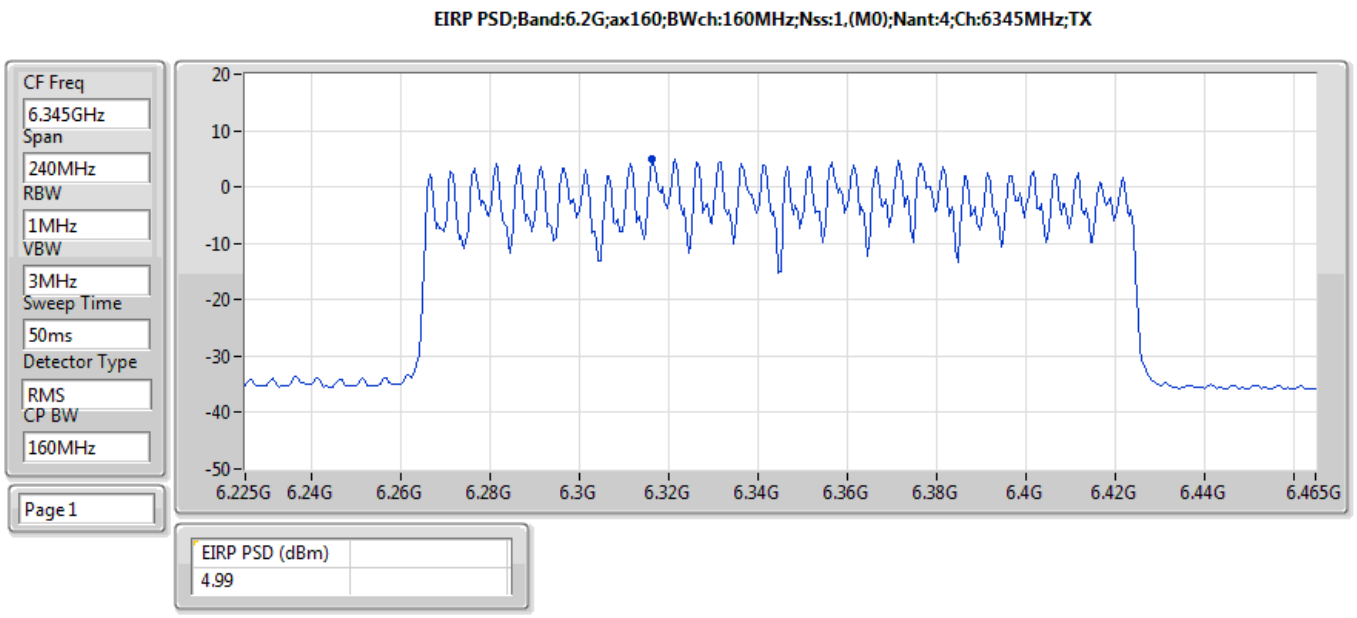


EIRP PSD;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6025MHz;TX



EIRP PSD;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6185MHz;TX

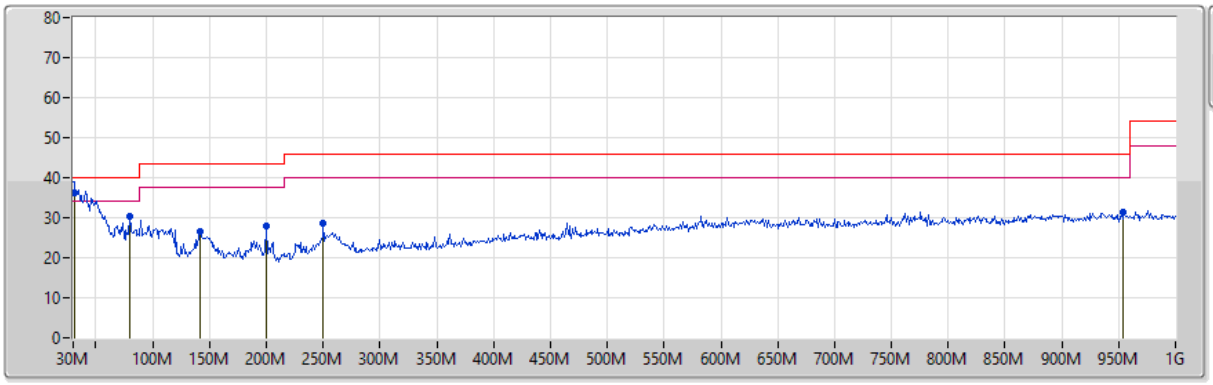



EIRP PSD;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6345MHz;TX
CF Freq
6.345GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
RMS
CP BW
160MHz
Page 1
20
10
0
-10
-20
-30
-40
-50
6.225G
6.24G
6.26G
6.28G
6.3G
6.32G
6.34G
6.36G
6.38G
6.4G
6.42G
6.44G
6.465G
EIRP PSD (dBm)
4.99

Summary

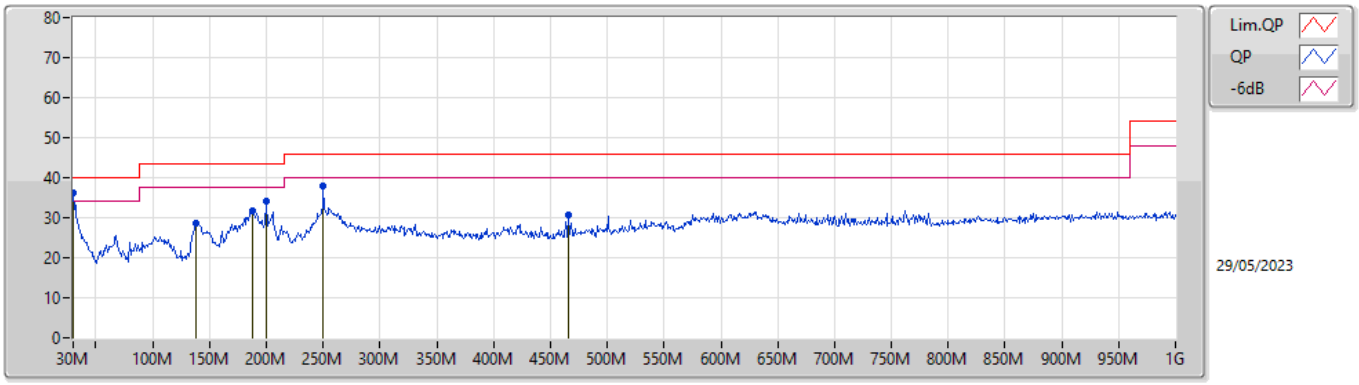
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	30.97M	36.27	40.00	-3.73	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
QP	30.97M	36.27	40.00	-3.73	-6.53	3	Vertical	38	1.50	"Worst"	42.80	24.01	0.64	31.18
PK	79.47M	30.48	40.00	-9.52	-17.97	3	Vertical	193	1.50	-	48.45	12.74	0.99	31.70
PK	141.55M	26.61	43.50	-16.89	-13.32	3	Vertical	236	1.25	-	39.93	17.20	1.30	31.82
PK	199.75M	27.82	43.50	-15.68	-14.94	3	Vertical	181	1.00	-	42.76	15.30	1.54	31.78
PK	250.19M	28.79	46.00	-17.21	-11.83	3	Vertical	202	1.25	-	40.62	18.23	1.74	31.80
PK	954.41M	31.25	46.00	-14.75	-2.11	3	Vertical	271	1.50	-	33.36	26.82	3.36	32.29

Mode 1



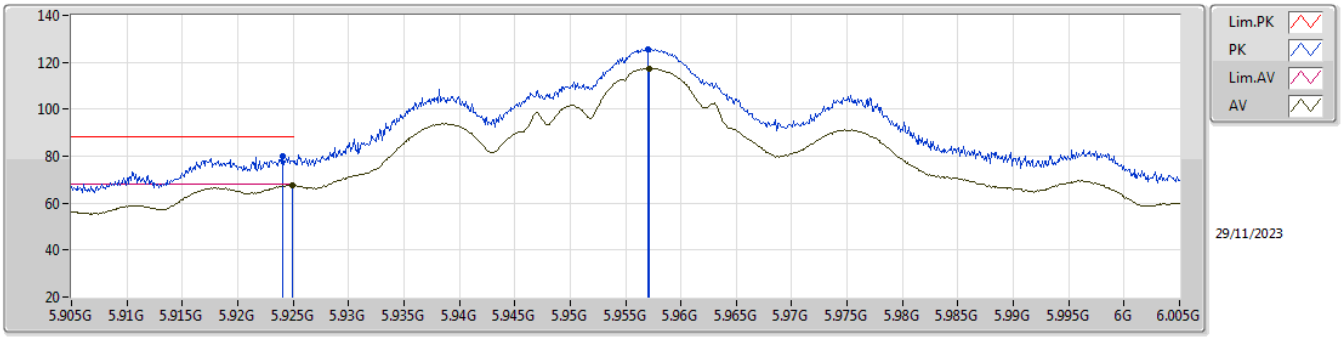
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	36.16	40.00	-3.84	-6.18	3	Horizontal	95	1.50	"Worst"	42.34	24.34	0.63	31.15
PK	138.64M	28.72	43.50	-14.78	-13.22	3	Horizontal	292	1.50	-	41.94	17.32	1.28	31.82
PK	188.11M	31.86	43.50	-11.64	-15.11	3	Horizontal	0	1.50	-	46.97	15.10	1.49	31.70
PK	199.75M	34.16	43.50	-9.34	-14.94	3	Horizontal	322	2.00	-	49.10	15.30	1.54	31.78
PK	250.19M	38.05	46.00	-7.95	-11.83	3	Horizontal	162	1.25	-	49.88	18.23	1.74	31.80
PK	465.53M	30.54	46.00	-15.46	-6.71	3	Horizontal	166	2.00	-	37.25	23.05	2.31	32.07

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 HEW160_Nss1,(MCS0)_4TX	Pass	RMS	5.9098G	68.10	68.20	-0.10	3	Vertical	55	2.84	-

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX

5955MHz_TX

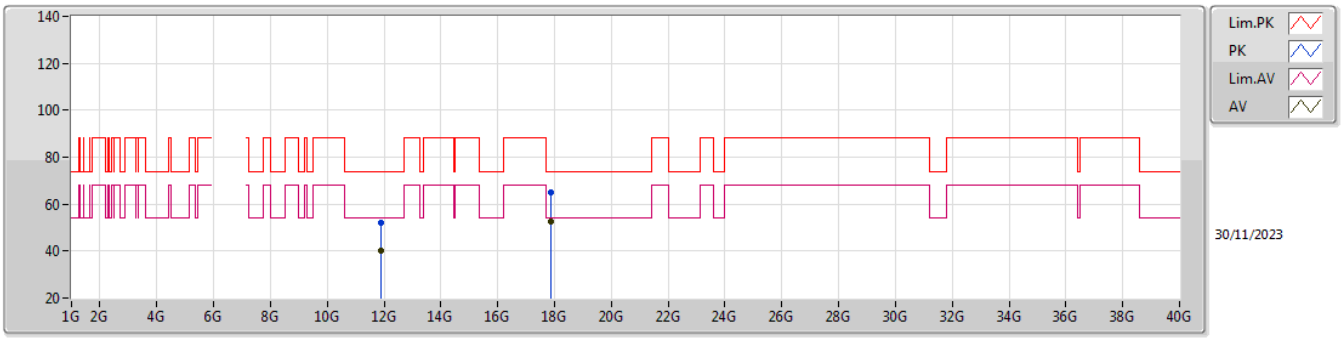


EUT Z_4TX
Setting 94
02-E-C-6-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.9241G	79.95	88.20	-8.25	71.09	3	Vertical	55	2.55	-	34.25	5.77	31.16
RMS	5.9249G	67.57	68.20	-0.63	58.71	3	Vertical	55	2.55	-	34.25	5.77	31.16
PK	5.957G	125.74	Inf	-Inf	116.81	3	Vertical	55	2.55	-	34.30	5.80	31.17
RMS	5.9571G	117.48	Inf	-Inf	108.55	3	Vertical	55	2.55	-	34.30	5.80	31.17

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX

5955MHz_TX

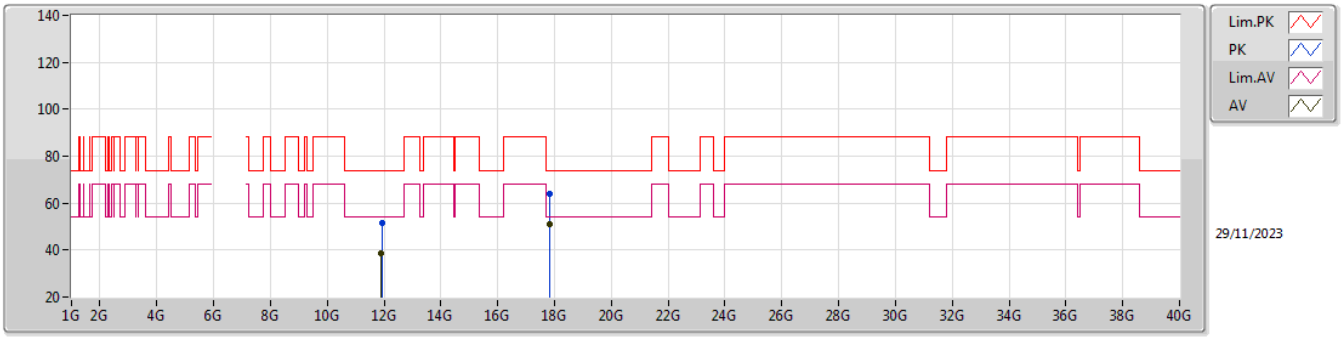


EUT Z_4TX
Setting 94
02-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.90865G	52.05	74.00	-21.95	69.19	3	Vertical	104	1.80	-	39.30	8.71	65.15
AV	11.9104G	40.11	54.00	-13.89	57.25	3	Vertical	104	1.80	-	39.30	8.71	65.15
PK	17.85965G	64.83	74.00	-9.17	69.75	3	Vertical	315	1.93	-	46.34	11.57	62.83
AV	17.8635G	52.51	54.00	-1.49	57.42	3	Vertical	315	1.93	-	46.35	11.58	62.84

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX

5955MHz_TX

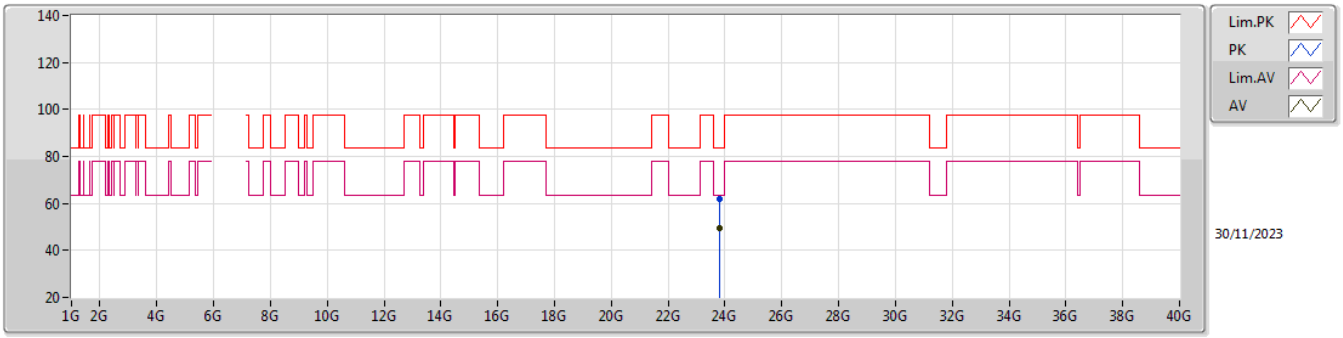


EUT Z_4TX
Setting 94
02-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.91635G	51.47	74.00	-22.53	68.61	3	Horizontal	47	1.80	-	39.30	8.71	65.15
AV	11.9117G	38.64	54.00	-15.36	55.78	3	Horizontal	47	1.80	-	39.30	8.71	65.15
PK	17.8447G	64.01	74.00	-9.99	68.98	3	Horizontal	326	2.10	-	46.29	11.56	62.82
AV	17.8408G	50.99	54.00	-3.01	55.96	3	Horizontal	326	2.10	-	46.28	11.56	62.81

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX

5955MHz_TX

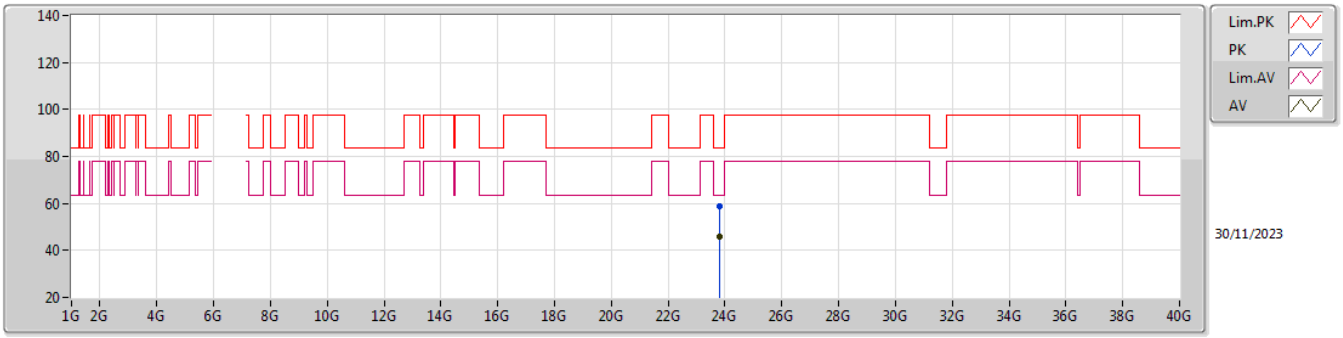


EUT Z_4TX
Setting 94
02-E-R-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	23.8077G	61.70	83.54	-21.84	49.13	1	Vertical	13	1.93	-	39.05	20.81	47.29
AV	23.82G	49.62	63.54	-13.92	37.10	1	Vertical	13	1.93	-	38.98	20.82	47.28

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX

5955MHz_TX

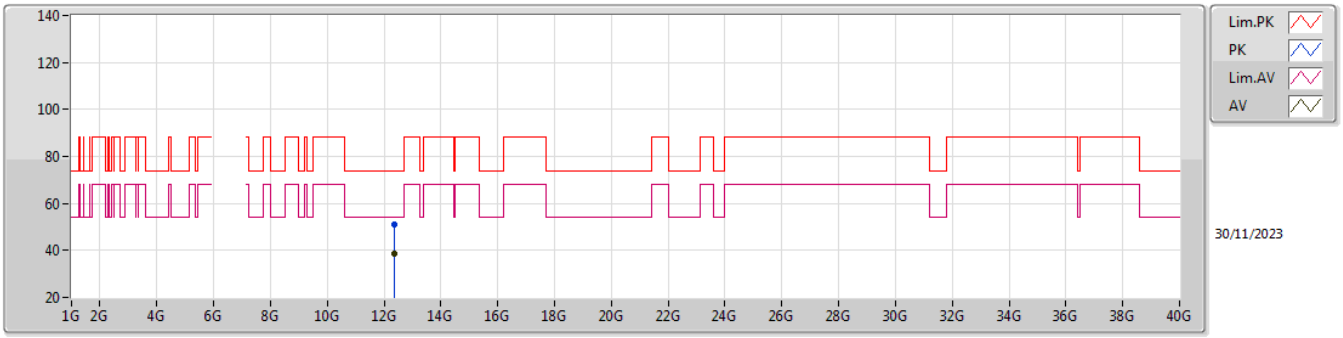


EUT Z_4TX
Setting 94
02-E-R-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	23.8251G	58.96	83.54	-24.58	46.47	1	Horizontal	2	1.55	-	38.95	20.82	47.28
AV	23.8234G	45.68	63.54	-17.86	33.18	1	Horizontal	2	1.55	-	38.96	20.82	47.28

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX

6195MHz_TX

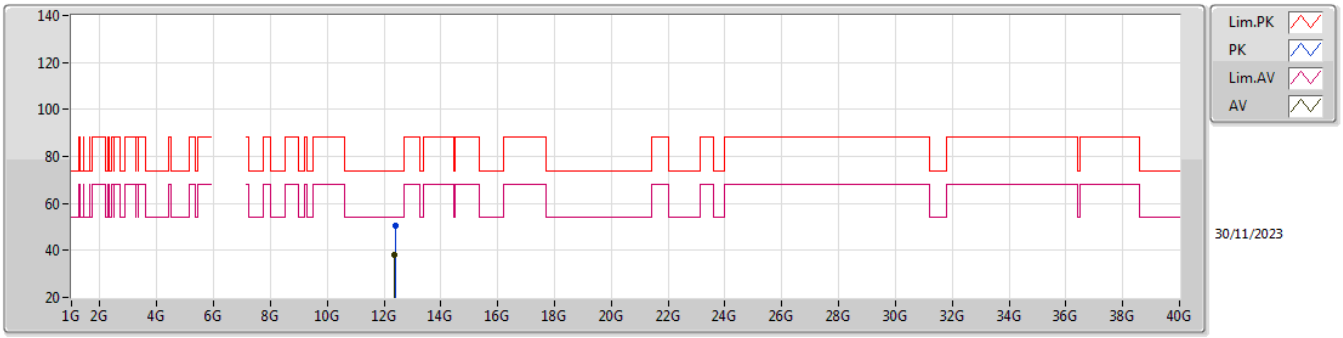


EUT Z_4TX
Setting 94
02-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.3732G	50.86	74.00	-23.14	68.03	3	Vertical	360	1.80	-	38.65	8.91	64.73
AV	12.3772G	38.38	54.00	-15.62	55.53	3	Vertical	360	1.80	-	38.65	8.92	64.72

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX

6195MHz_TX

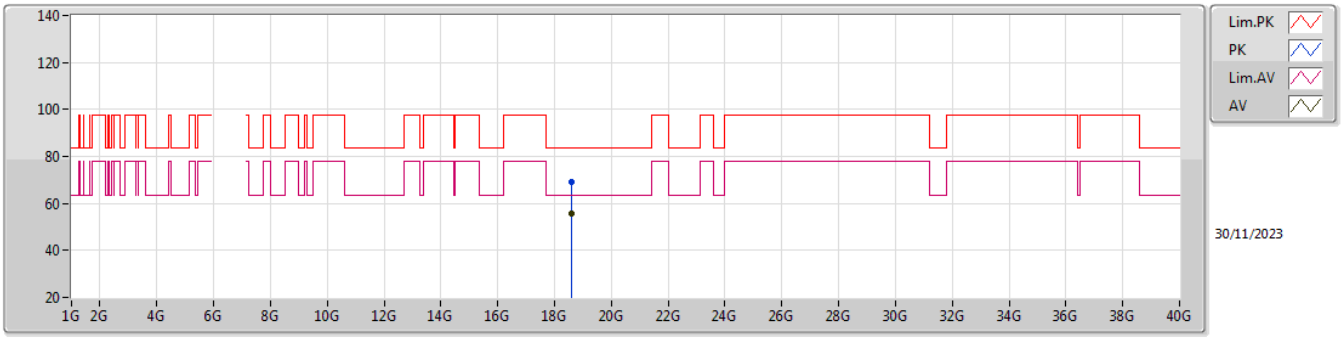


EUT Z_4TX
Setting 94
02-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.3923G	50.66	74.00	-23.34	67.82	3	Horizontal	26	1.80	-	38.62	8.92	64.70
AV	12.37G	37.98	54.00	-16.02	55.14	3	Horizontal	26	1.80	-	38.66	8.91	64.73

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX

6195MHz_TX

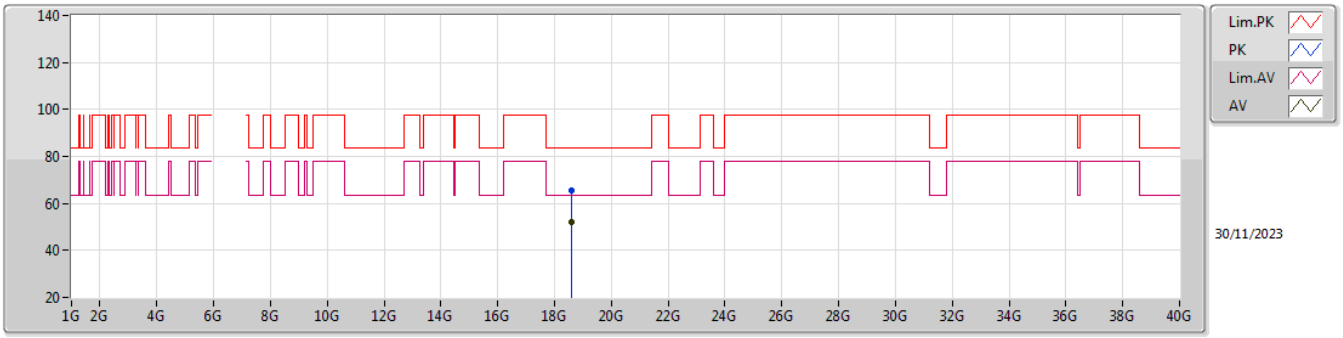


EUT Z_4TX
Setting 94
02-E-R-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	18.58948G	69.08	83.54	-14.46	62.20	1	Vertical	0	1.88	-	37.70	18.90	49.72
AV	18.58808G	55.48	63.54	-8.06	48.60	1	Vertical	0	1.88	-	37.70	18.90	49.72

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX

6195MHz_TX

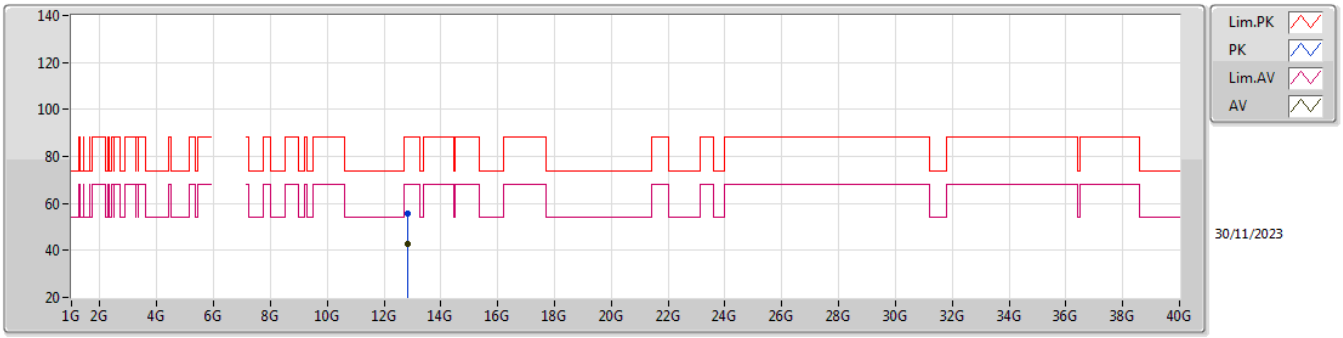


EUT Z_4TX
Setting 94
02-E-R-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	18.58731G	65.52	83.54	-18.02	58.64	1	Horizontal	255	1.82	-	37.70	18.90	49.72
AV	18.58689G	52.16	63.54	-11.38	45.28	1	Horizontal	255	1.82	-	37.70	18.90	49.72

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX

6415MHz_TX

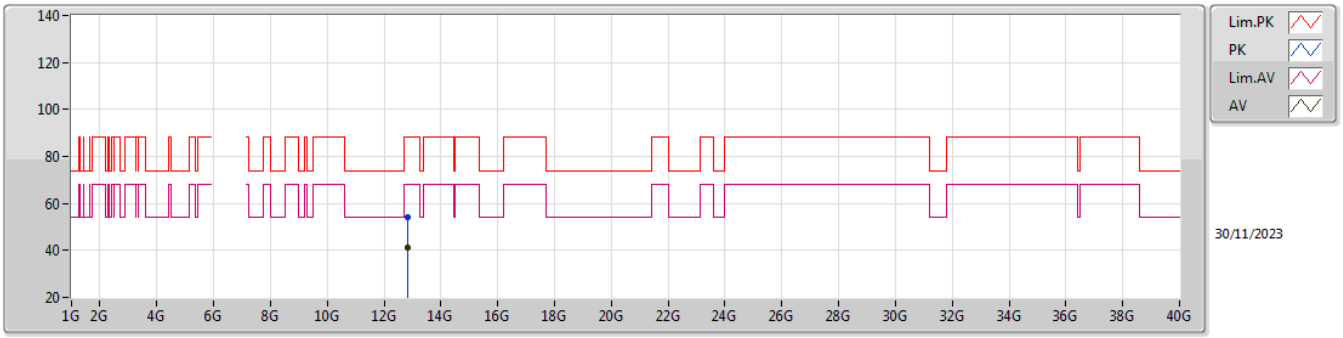


EUT Z_4TX
Setting 94
02-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.8347G	55.66	88.20	-32.54	72.05	3	Vertical	23	1.78	-	38.97	9.13	64.49
RMS	12.83515G	42.98	68.20	-25.22	59.37	3	Vertical	23	1.78	-	38.97	9.13	64.49

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX

6415MHz_TX

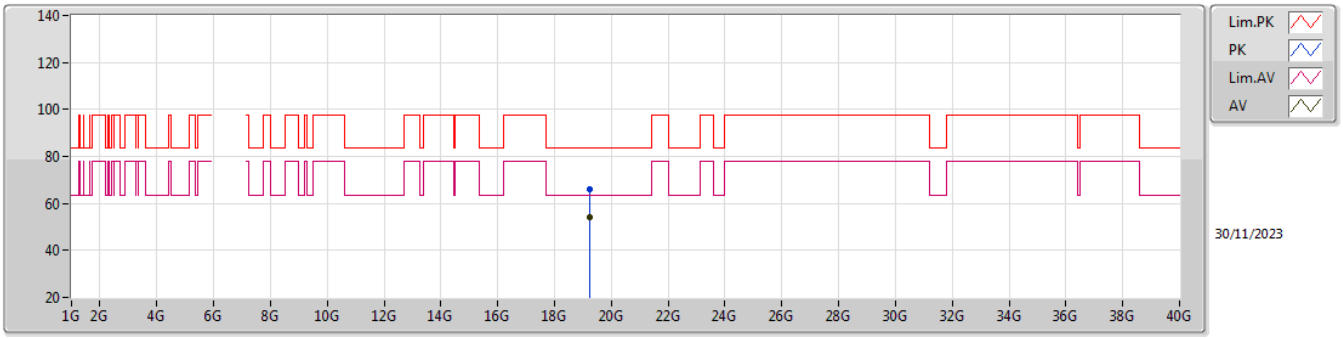


EUT Z_4TX
Setting 94
02-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.83225G	53.95	88.20	-34.25	70.35	3	Horizontal	321	2.09	-	38.96	9.13	64.49
RMS	12.8334G	41.37	68.20	-26.83	57.76	3	Horizontal	321	2.09	-	38.97	9.13	64.49

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX

6415MHz_TX

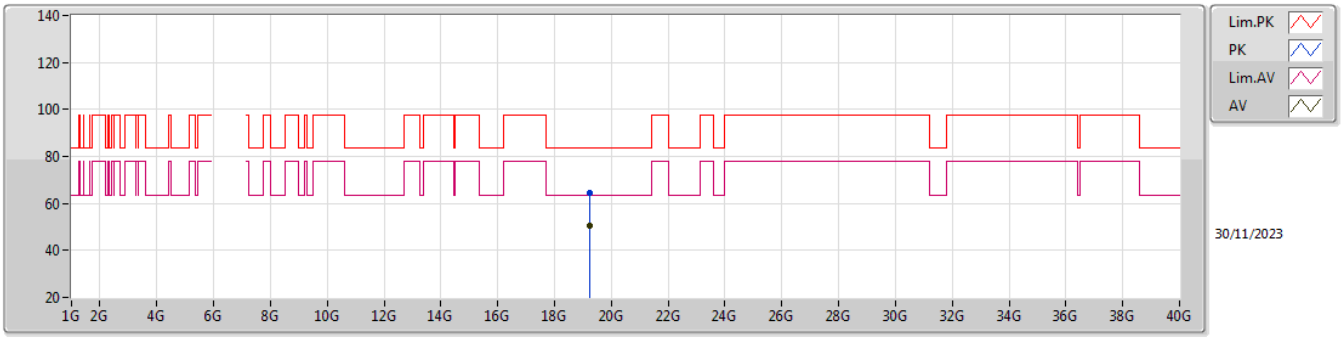


EUT Z_4TX
Setting 94
02-E-R-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	19.24514G	66.26	83.54	-17.28	58.57	1	Vertical	360	1.62	-	37.91	19.36	49.58
AV	19.24668G	54.32	63.54	-9.22	46.63	1	Vertical	360	1.62	-	37.91	19.36	49.58

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX

6415MHz_TX

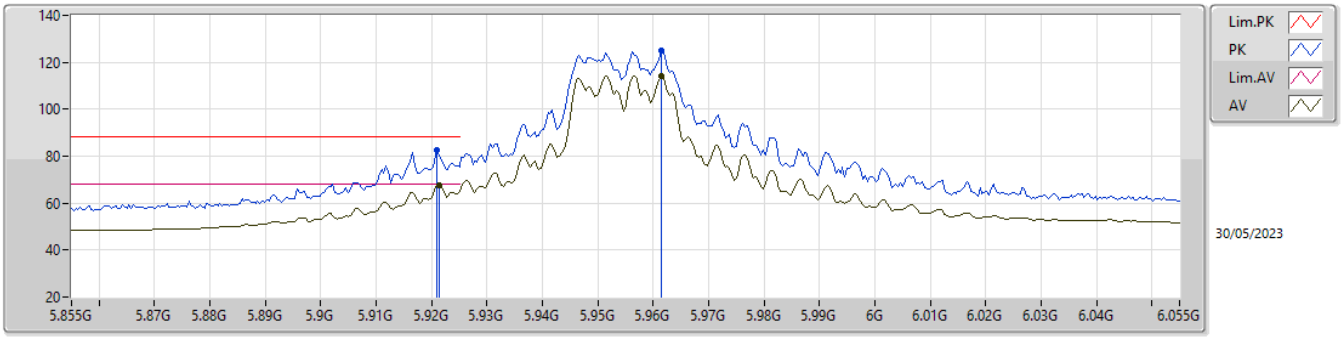


EUT Z_4TX
Setting 94
02-E-R-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	19.23856G	64.30	83.54	-19.24	56.61	1	Horizontal	255	2.00	-	37.92	19.35	49.58
AV	19.23884G	50.63	63.54	-12.91	42.94	1	Horizontal	255	2.00	-	37.92	19.35	49.58

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5955MHz_TX

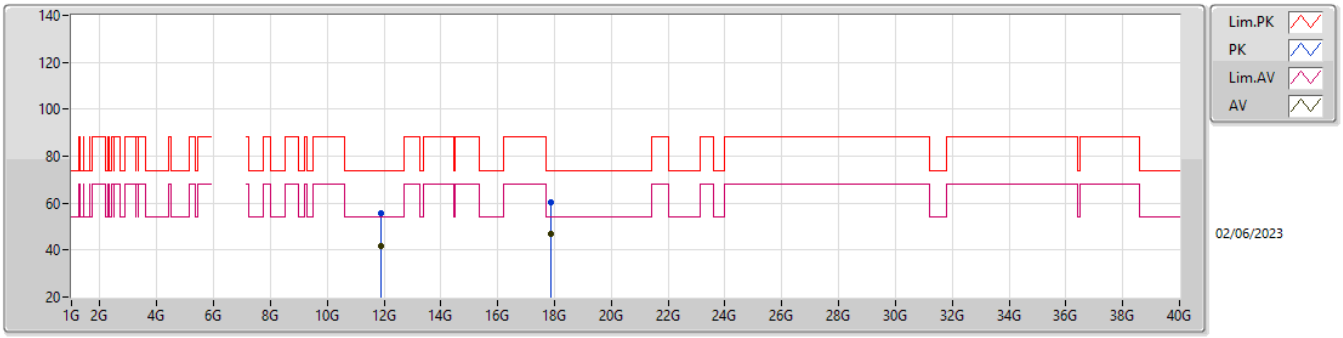


EUT Z_4TX
Setting 88
04-C-R-7-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.921G	82.51	88.20	-5.69	74.28	3	Vertical	41	2.41	-	35.03	5.76	32.56
RMS	5.9214G	67.68	68.20	-0.52	59.45	3	Vertical	41	2.41	-	35.03	5.76	32.56
PK	5.9614G	124.97	Inf	-Inf	116.54	3	Vertical	41	2.41	-	35.22	5.78	32.57
RMS	5.9614G	114.18	Inf	-Inf	105.75	3	Vertical	41	2.41	-	35.22	5.78	32.57

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5955MHz_TX

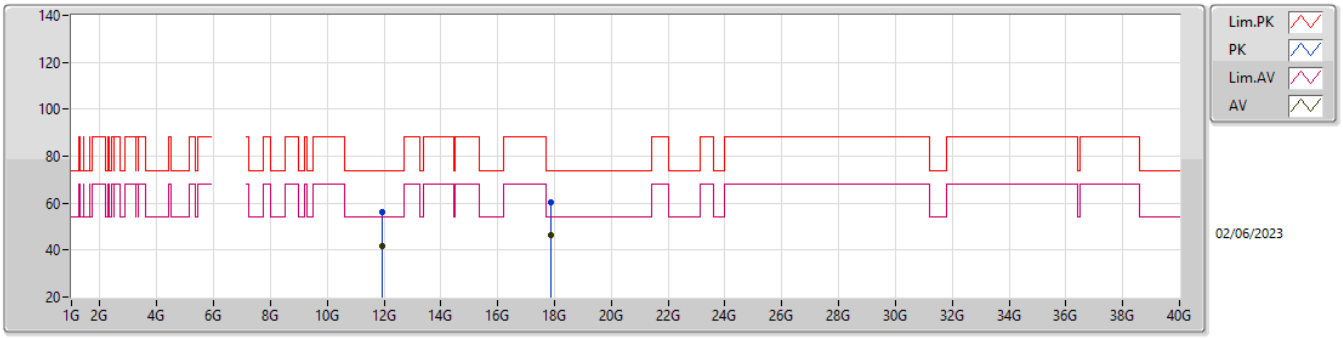


EUT Z_4TX
Setting 88
04-C-G-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.9037G	55.57	74.00	-18.43	51.25	3	Vertical	51	2.23	-	38.99	8.57	43.24
AV	11.90922G	41.89	54.00	-12.11	37.57	3	Vertical	51	2.23	-	38.98	8.57	43.23
PK	17.87664G	60.37	74.00	-13.63	48.68	3	Vertical	84	2.34	-	41.55	11.52	41.38
AV	17.87814G	46.68	54.00	-7.32	34.98	3	Vertical	84	2.34	-	41.56	11.52	41.38

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5955MHz_TX

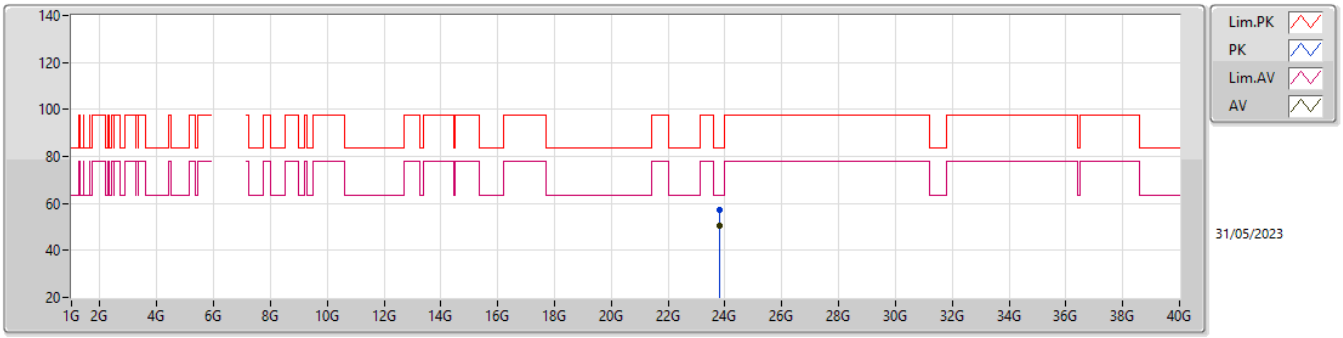


EUT Z_4TX
Setting 88
04-C-G-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.92452G	55.96	74.00	-18.04	51.66	3	Horizontal	240	2.12	-	38.95	8.58	43.23
AV	11.92598G	41.92	54.00	-12.08	37.62	3	Horizontal	240	2.12	-	38.95	8.58	43.23
PK	17.87196G	60.18	74.00	-13.82	48.51	3	Horizontal	355	1.95	-	41.54	11.52	41.39
AV	17.8794G	46.47	54.00	-7.53	34.77	3	Horizontal	355	1.95	-	41.56	11.52	41.38

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5955MHz_TX

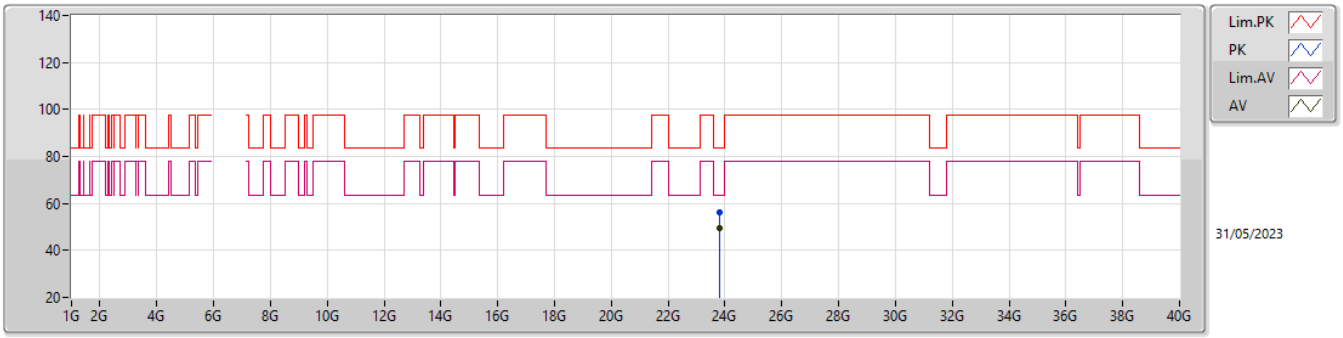


EUT Z_4TX
Setting 88
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	23.81868G	57.13	83.54	-26.41	49.64	1	Vertical	9	2.02	-	38.80	18.96	50.27
AV	23.8059G	50.29	63.54	-13.25	42.82	1	Vertical	9	2.02	-	38.80	18.95	50.28

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5955MHz_TX

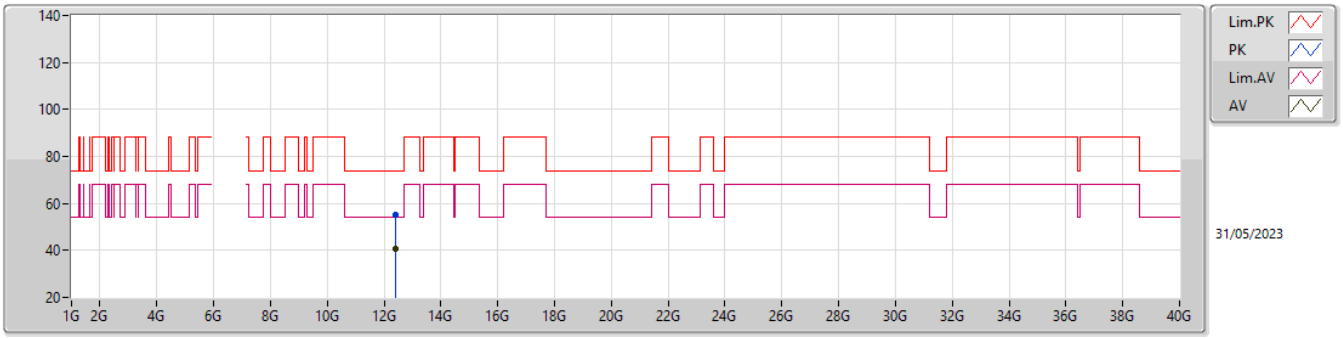


EUT Z_4TX
Setting 88
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	23.81868G	56.28	83.54	-27.26	48.79	1	Horizontal	9	2.09	-	38.80	18.96	50.27
AV	23.8059G	49.55	63.54	-13.99	42.08	1	Horizontal	9	2.09	-	38.80	18.95	50.28

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

6195MHz_TX

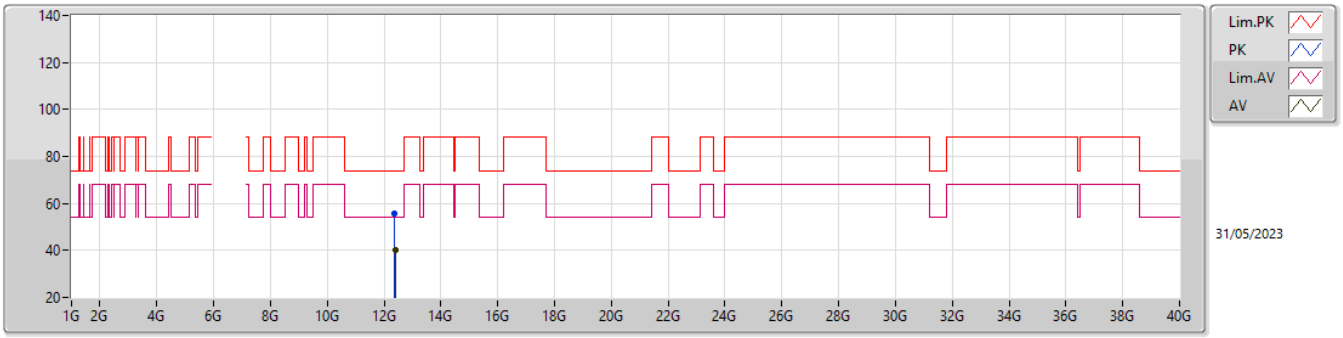


EUT Z_4TX
Setting 97
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.39114G	54.97	74.00	-19.03	41.59	3	Vertical	213	2.29	-	38.78	8.80	34.20
AV	12.39876G	40.76	54.00	-13.24	27.36	3	Vertical	213	2.29	-	38.80	8.80	34.20

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

6195MHz_TX

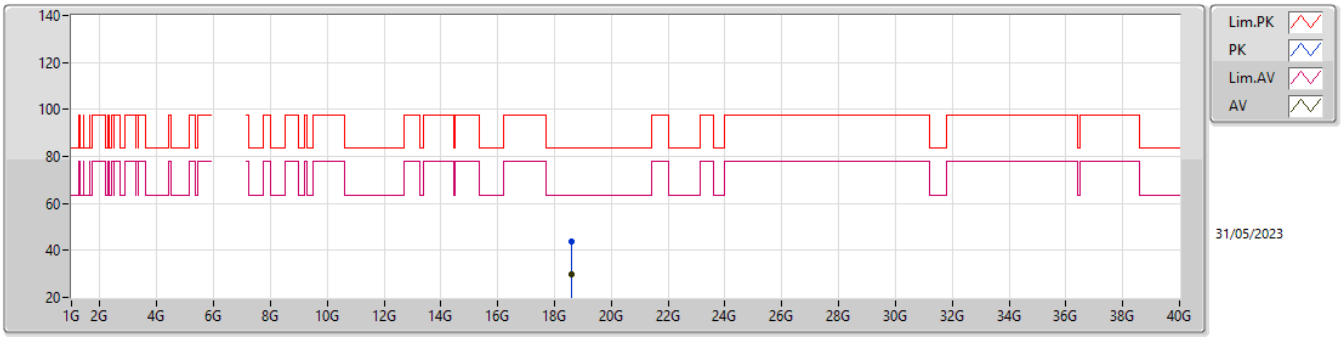


EUT Z_4TX
Setting 97
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.37692G	55.54	74.00	-18.46	42.21	3	Horizontal	290	1.10	-	38.75	8.79	34.21
AV	12.40188G	40.26	54.00	-13.74	26.86	3	Horizontal	290	1.10	-	38.80	8.80	34.20

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

6195MHz_TX

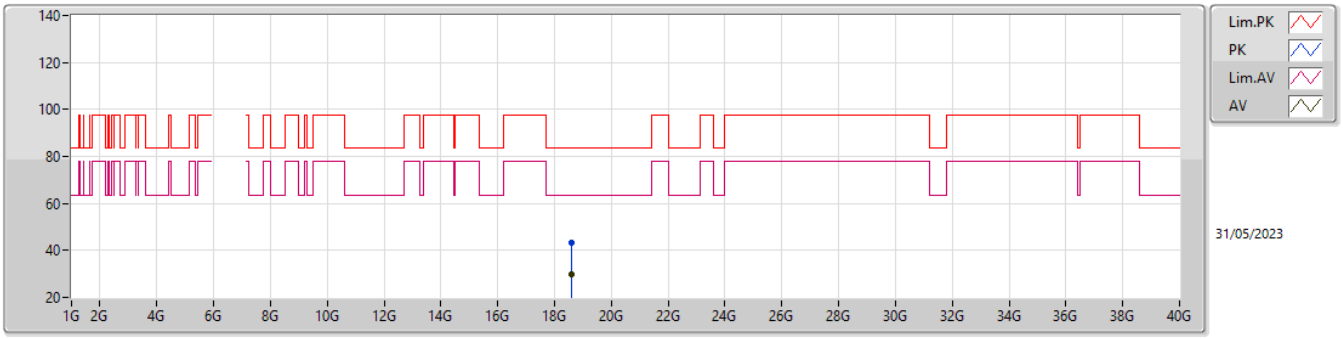


EUT Z_4TX
Setting 97
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	18.59886G	43.87	83.54	-39.67	39.94	1	Vertical	87	2.03	-	37.64	16.69	50.40
AV	18.59898G	29.90	63.54	-33.64	25.97	1	Vertical	87	2.03	-	37.64	16.69	50.40

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

6195MHz_TX

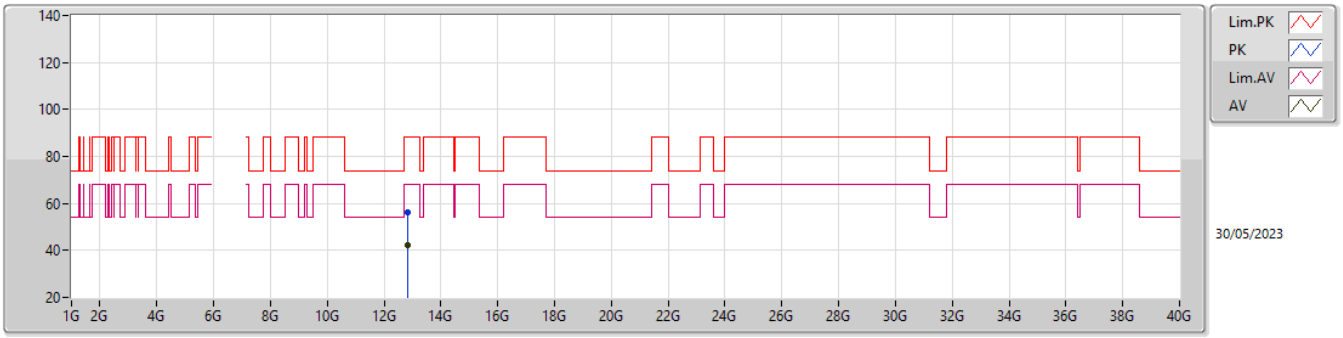


EUT Z_4TX
Setting 97
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	18.59544G	43.36	83.54	-40.18	39.44	1	Horizontal	8	1.99	-	37.64	16.68	50.40
AV	18.59934G	29.93	63.54	-33.61	26.00	1	Horizontal	8	1.99	-	37.64	16.69	50.40

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

6415MHz_TX

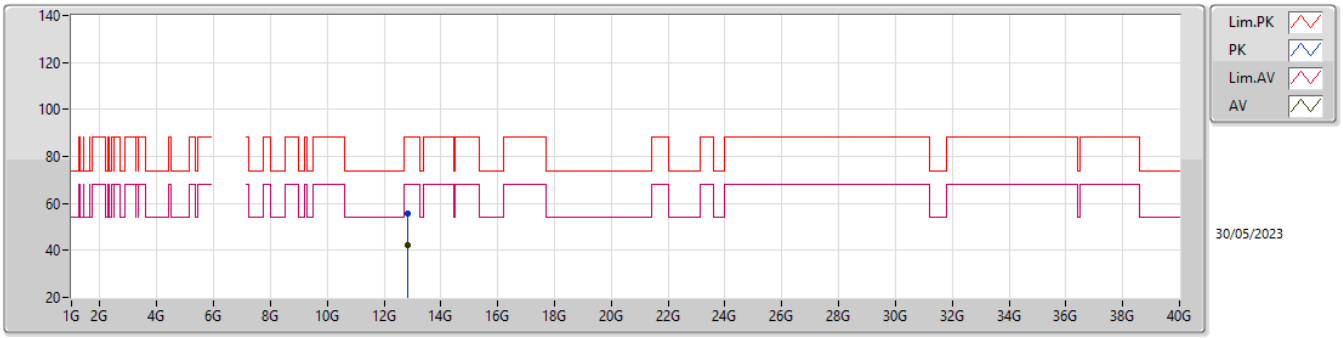


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.81908G	55.95	88.20	-32.25	41.67	3	Vertical	360	1.80	-	39.32	9.01	34.05
RMS	12.845G	42.02	68.20	-26.18	27.71	3	Vertical	360	1.80	-	39.34	9.02	34.05

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

6415MHz_TX

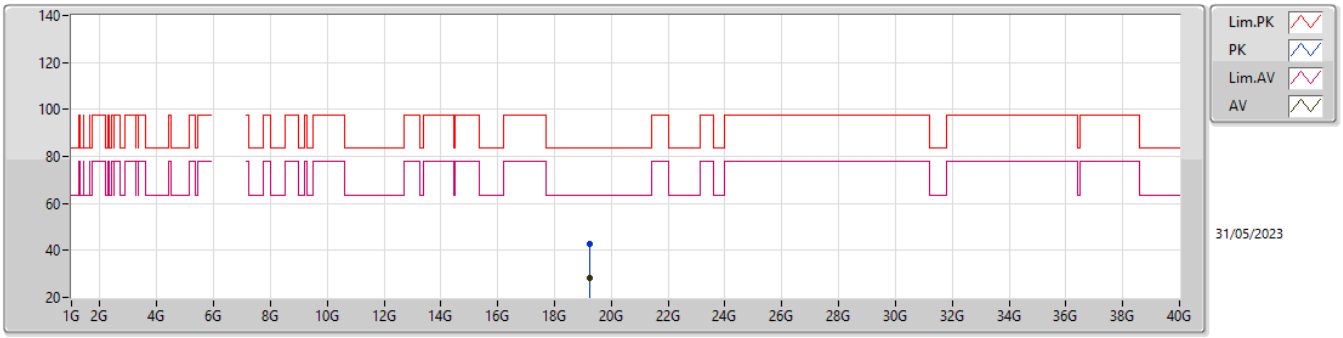


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.83732G	55.86	88.20	-32.34	41.55	3	Horizontal	51	1.69	-	39.34	9.02	34.05
RMS	12.84464G	42.03	68.20	-26.17	27.72	3	Horizontal	51	1.69	-	39.34	9.02	34.05

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

6415MHz_TX

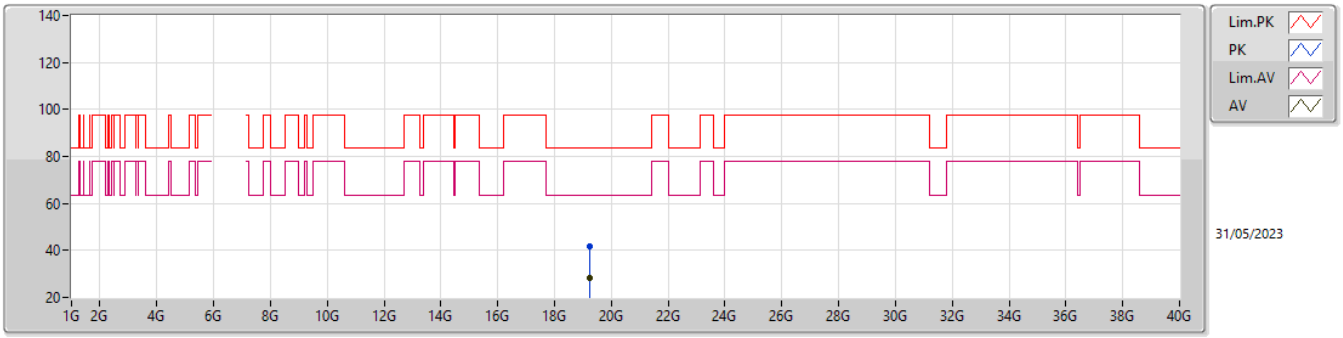


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	19.23492G	42.52	83.54	-41.02	39.06	1	Vertical	287	2.01	-	37.59	16.95	51.08
AV	19.23336G	28.28	63.54	-35.26	24.82	1	Vertical	287	2.01	-	37.59	16.95	51.08

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

6415MHz_TX

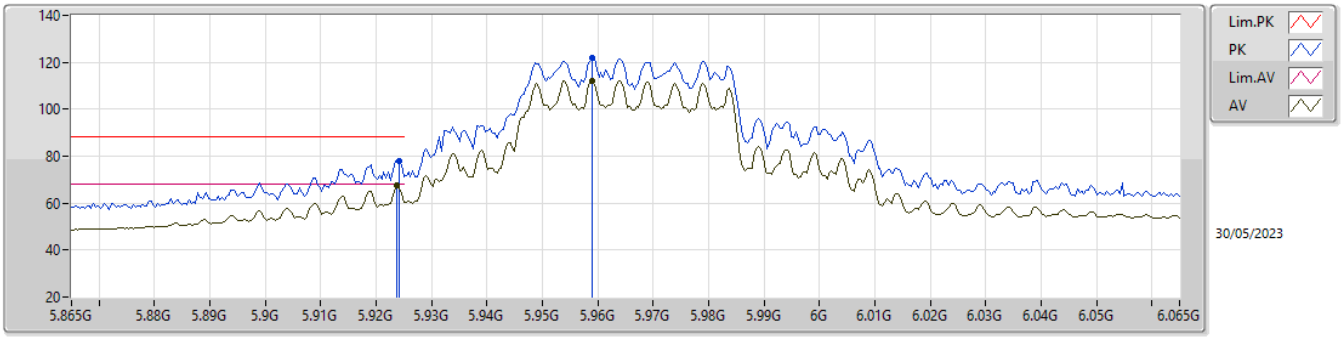


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	19.23678G	41.73	74.00	-32.27	38.27	1	Horizontal	269	2.17	-	37.59	16.95	51.08
AV	19.24056G	28.46	54.00	-25.54	25.00	1	Horizontal	269	2.17	-	37.60	16.95	51.09

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5965MHz_TX

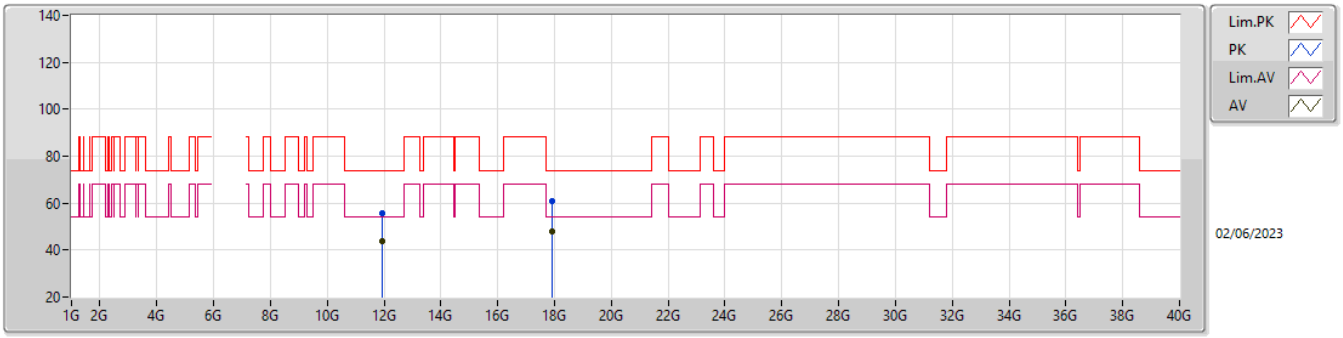


EUT Z_4TX
Setting 85
04-C-R-7-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.9242G	77.94	88.20	-10.26	69.69	3	Vertical	38	2.73	-	35.05	5.76	32.56
RMS	5.9238G	67.49	68.20	-0.71	59.25	3	Vertical	38	2.73	-	35.04	5.76	32.56
PK	5.959G	121.78	Inf	-Inf	113.35	3	Vertical	38	2.73	-	35.22	5.78	32.57
RMS	5.959G	112.21	Inf	-Inf	103.78	3	Vertical	38	2.73	-	35.22	5.78	32.57

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5965MHz_TX

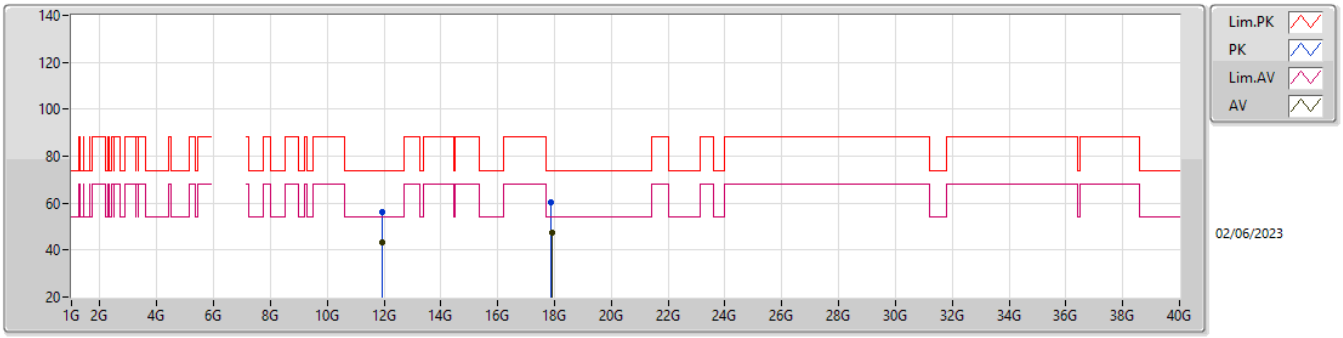


EUT Z_4TX
Setting 85
04-C-G-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.92442G	55.46	74.00	-18.54	51.16	3	Vertical	54	2.23	-	38.95	8.58	43.23
AV	11.9372G	43.76	54.00	-10.24	39.48	3	Vertical	54	2.23	-	38.93	8.58	43.23
PK	17.90142G	60.65	74.00	-13.35	48.85	3	Vertical	119	1.67	-	41.60	11.54	41.34
AV	17.8965G	47.82	54.00	-6.18	36.05	3	Vertical	119	1.67	-	41.59	11.53	41.35

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5965MHz_TX

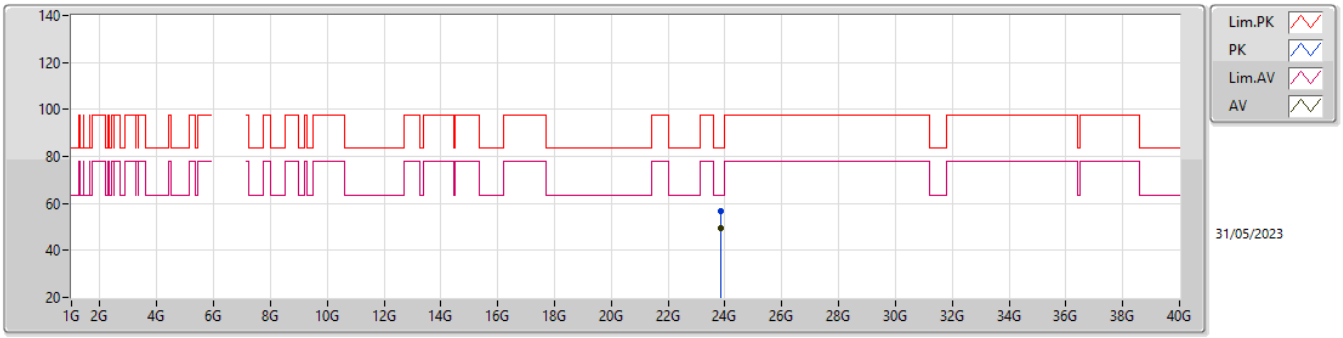


EUT Z_4TX
Setting 85
04-C-G-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.93228G	56.33	74.00	-17.67	52.04	3	Horizontal	324	2.85	-	38.94	8.58	43.23
AV	11.92514G	43.46	54.00	-10.54	39.16	3	Horizontal	324	2.85	-	38.95	8.58	43.23
PK	17.89416G	60.41	74.00	-13.59	48.65	3	Horizontal	78.6	2.08	-	41.59	11.53	41.36
AV	17.90664G	47.65	54.00	-6.35	35.84	3	Horizontal	78.6	2.08	-	41.61	11.54	41.34

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5965MHz_TX

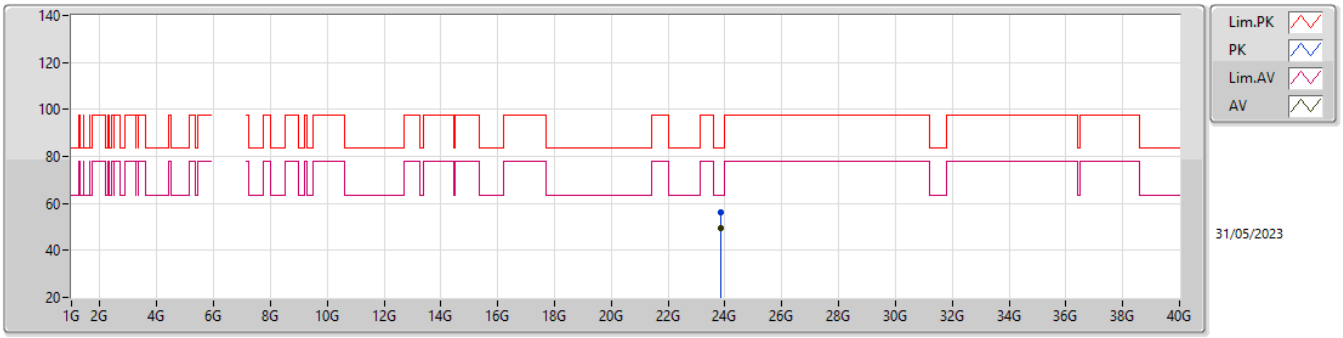


EUT Z_4TX
Setting 85
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	23.85178G	56.59	83.54	-26.95	49.08	1	Vertical	63	2.14	-	38.80	18.97	50.26
AV	23.87338G	49.36	63.54	-14.18	41.83	1	Vertical	63	2.14	-	38.80	18.98	50.25

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5965MHz_TX

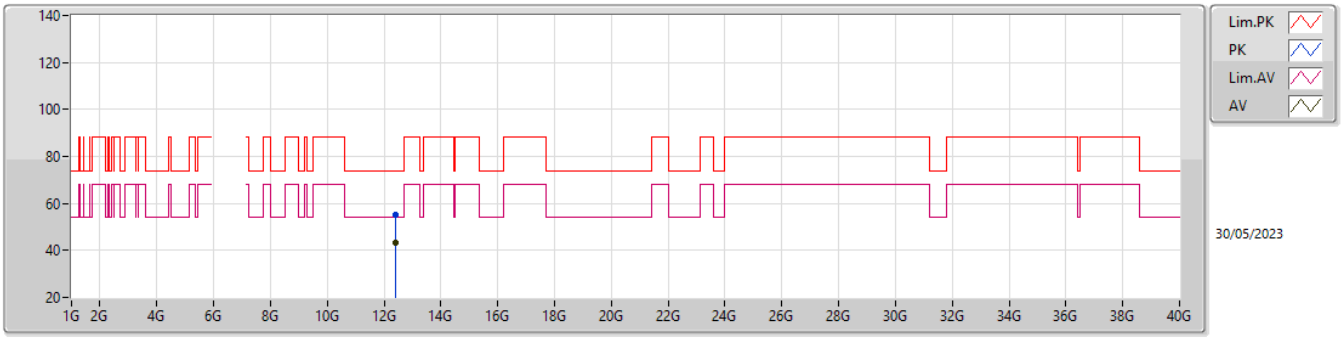


EUT Z_4TX
Setting 85
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	23.86882G	56.24	83.54	-27.30	48.71	1	Horizontal	257	2.23	-	38.80	18.98	50.25
AV	23.8678G	49.33	63.54	-14.21	41.80	1	Horizontal	257	2.23	-	38.80	18.98	50.25

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

6205MHz_TX

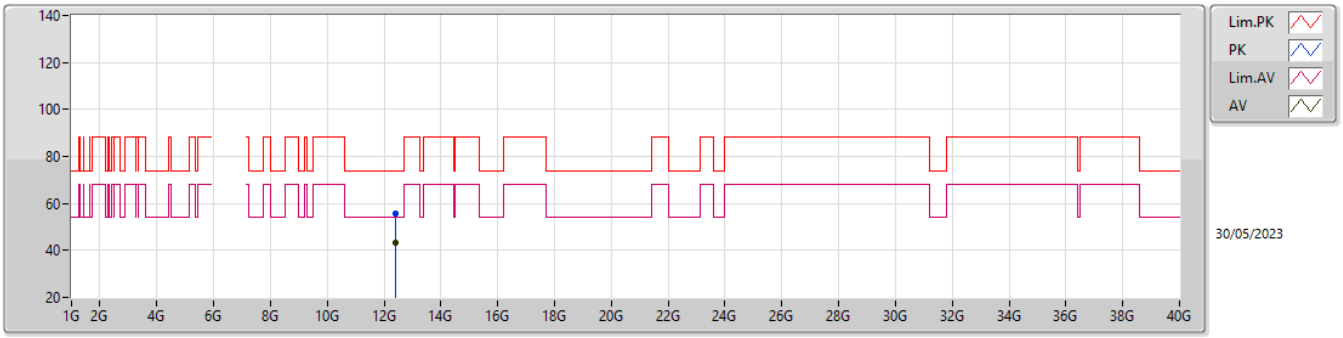


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.41168G	55.39	74.00	-18.61	41.97	3	Vertical	84	2.94	-	38.80	8.81	34.19
AV	12.41162G	43.34	54.00	-10.66	29.92	3	Vertical	84	2.94	-	38.80	8.81	34.19

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

6205MHz_TX

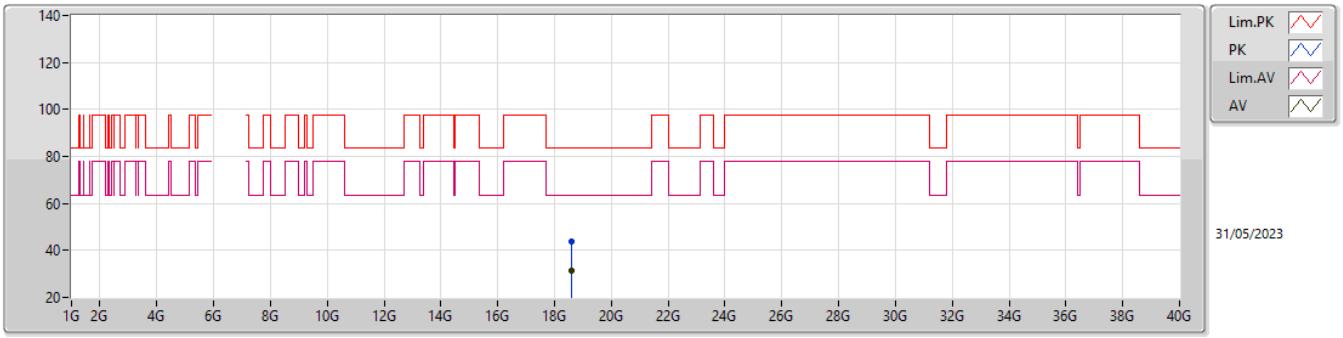


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.40856G	55.56	74.00	-18.44	42.15	3	Horizontal	125	1.37	-	38.80	8.80	34.19
AV	12.39824G	43.34	54.00	-10.66	29.94	3	Horizontal	125	1.37	-	38.80	8.80	34.20

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

6205MHz_TX

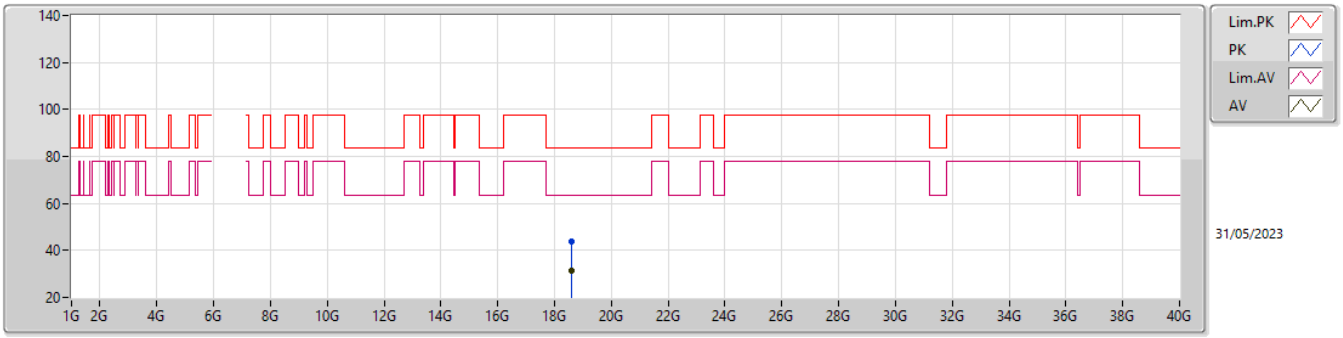


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	18.61374G	43.68	83.54	-39.86	39.75	1	Vertical	234	1.99	-	37.65	16.69	50.41
AV	18.60828G	31.39	63.54	-32.15	27.47	1	Vertical	234	1.99	-	37.64	16.69	50.41

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

6205MHz_TX

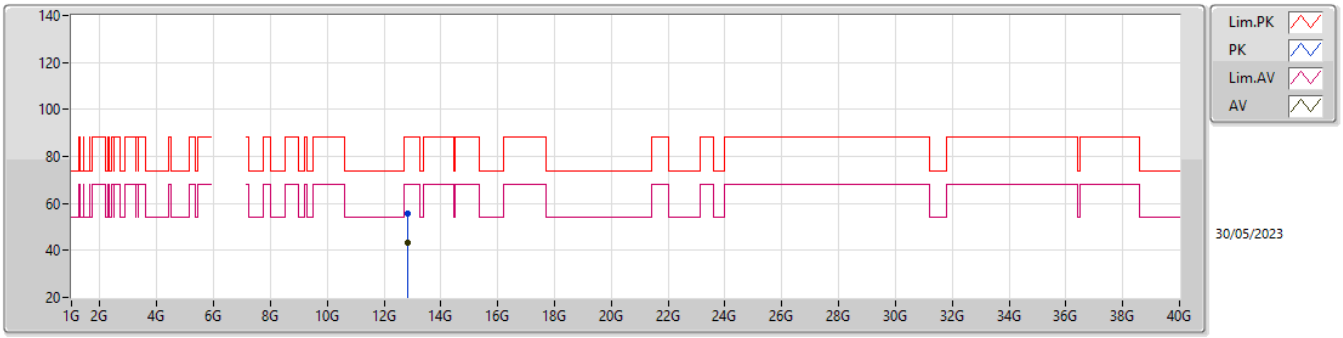


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	18.6174G	43.75	83.54	-39.79	39.83	1	Horizontal	11	1.92	-	37.65	16.69	50.42
AV	18.61938G	31.48	63.54	-32.06	27.56	1	Horizontal	11	1.92	-	37.65	16.69	50.42

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

6405MHz_TX

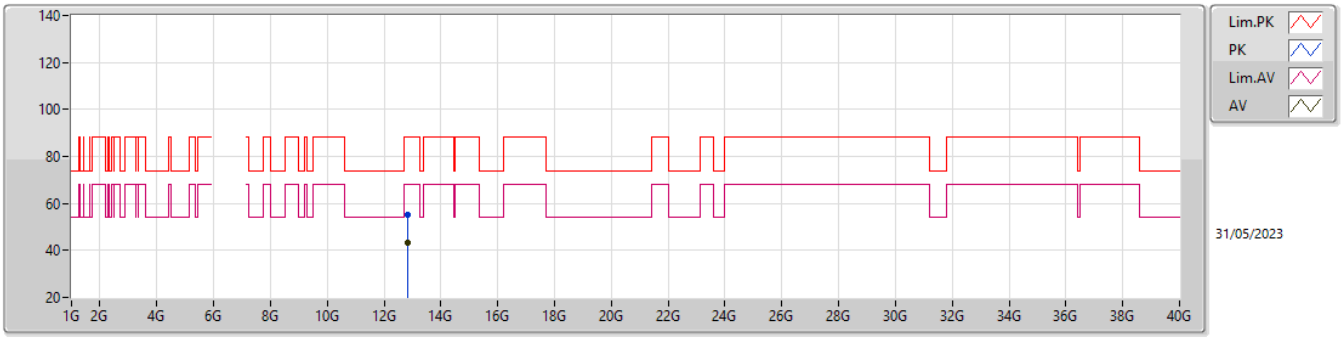


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.82122G	55.47	88.20	-32.73	41.19	3	Vertical	257	1.11	-	39.32	9.01	34.05
RMS	12.81888G	43.39	68.20	-24.81	29.11	3	Vertical	257	1.11	-	39.32	9.01	34.05

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

6405MHz_TX

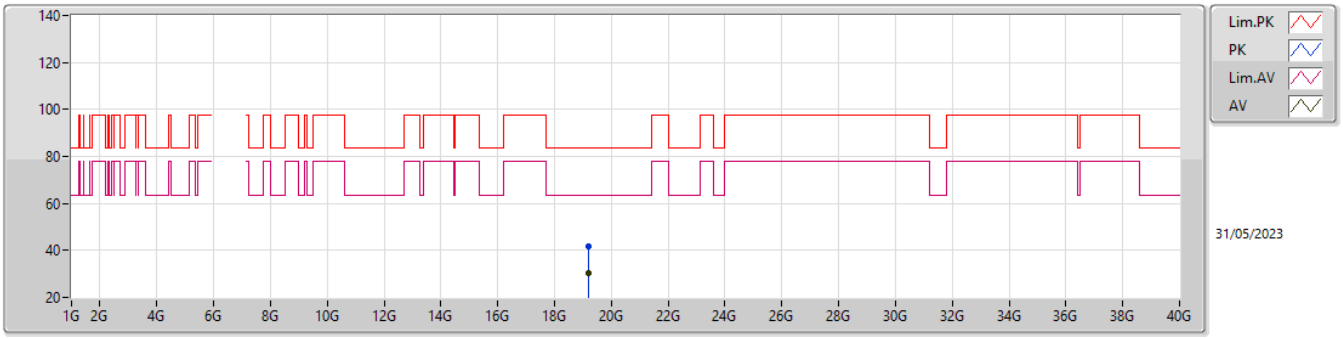


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.81978G	55.39	88.20	-32.81	41.11	3	Horizontal	8	2.63	-	39.32	9.01	34.05
RMS	12.82278G	43.07	68.20	-25.13	28.79	3	Horizontal	8	2.63	-	39.32	9.01	34.05

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

6405MHz_TX

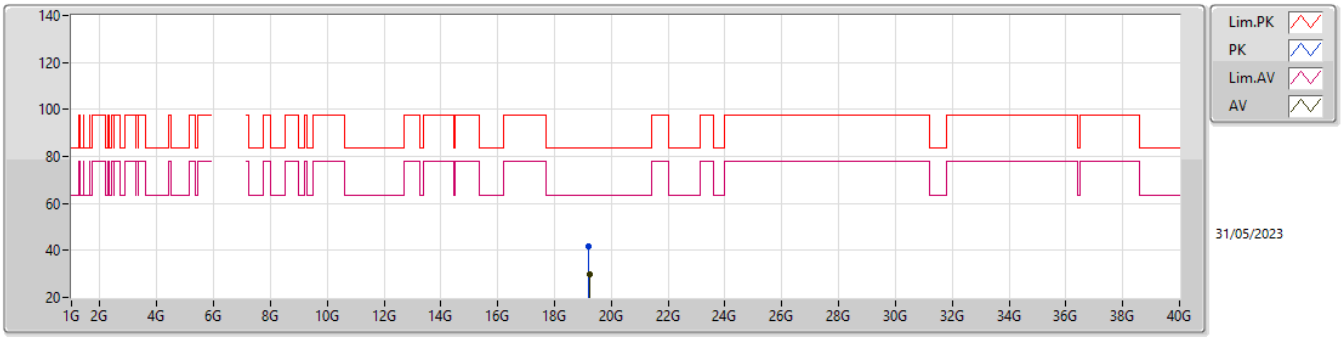


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	19.21578G	41.96	83.54	-41.58	38.49	1	Vertical	38	2.11	-	37.59	16.94	51.06
AV	19.20096G	30.09	63.54	-33.45	26.62	1	Vertical	38	2.11	-	37.58	16.93	51.04

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

6405MHz_TX

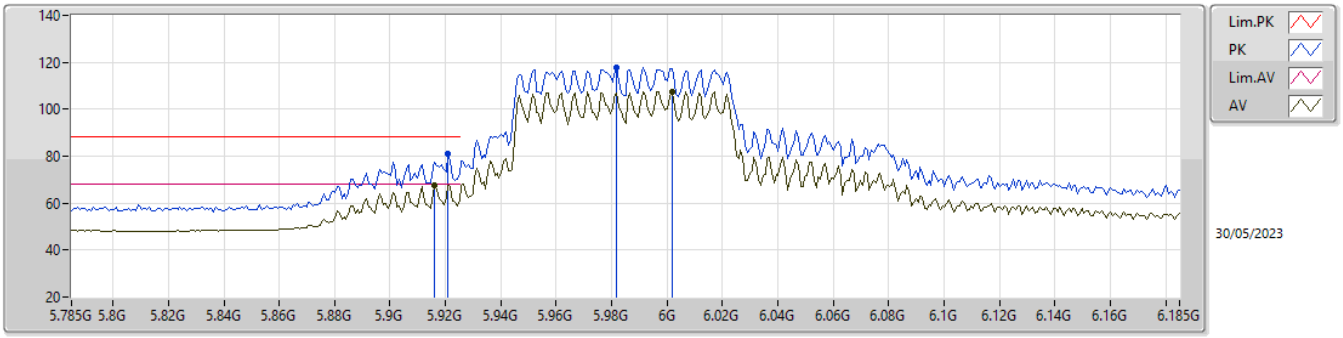


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	19.21452G	41.82	83.54	-41.72	38.35	1	Horizontal	133	2.18	-	37.59	16.94	51.06
AV	19.21962G	30.00	63.54	-33.54	26.53	1	Horizontal	133	2.18	-	37.59	16.94	51.06

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

5985MHz_TX

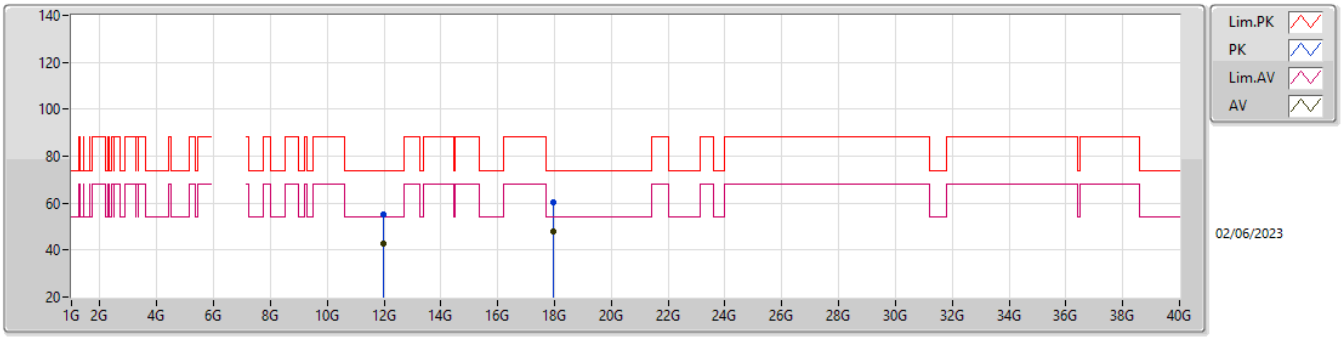


EUT Z_4TX
Setting 83
04-C-R-7-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.921G	80.80	88.20	-7.40	72.57	3	Vertical	41	2.35	-	35.03	5.76	32.56
RMS	5.9162G	67.75	68.20	-0.45	59.54	3	Vertical	41	2.35	-	35.00	5.76	32.55
PK	5.9818G	117.75	Inf	-Inf	109.27	3	Vertical	41	2.35	-	35.26	5.79	32.57
RMS	6.0018G	107.66	Inf	-Inf	99.14	3	Vertical	41	2.35	-	35.30	5.80	32.58

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

5985MHz_TX

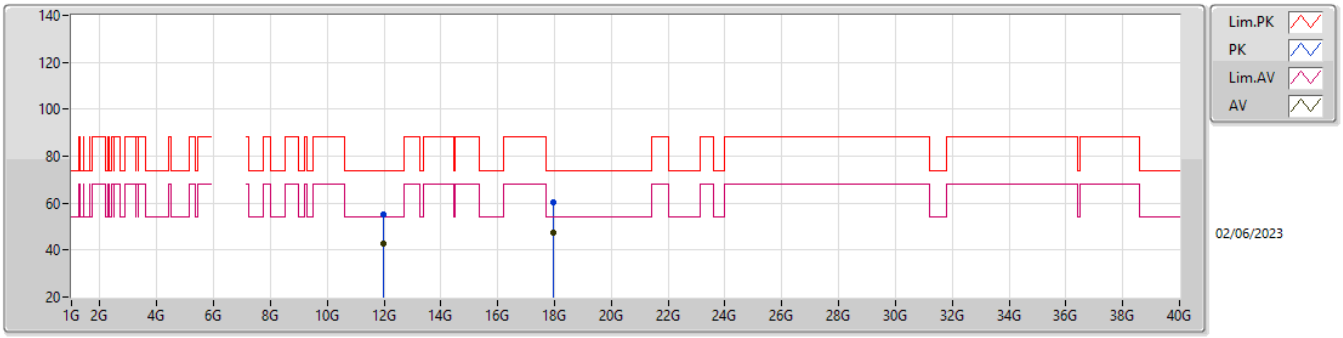


EUT Z_4TX
Setting 83
04-C-G-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.9757G	55.09	74.00	-18.91	50.87	3	Vertical	33	1.54	-	38.85	8.59	43.22
AV	11.97276G	42.79	54.00	-11.21	38.57	3	Vertical	33	1.54	-	38.85	8.59	43.22
PK	17.95278G	60.46	74.00	-13.54	48.50	3	Vertical	1	2.78	-	41.65	11.57	41.26
AV	17.94684G	47.74	54.00	-6.26	35.79	3	Vertical	1	2.78	-	41.65	11.57	41.27

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

5985MHz_TX

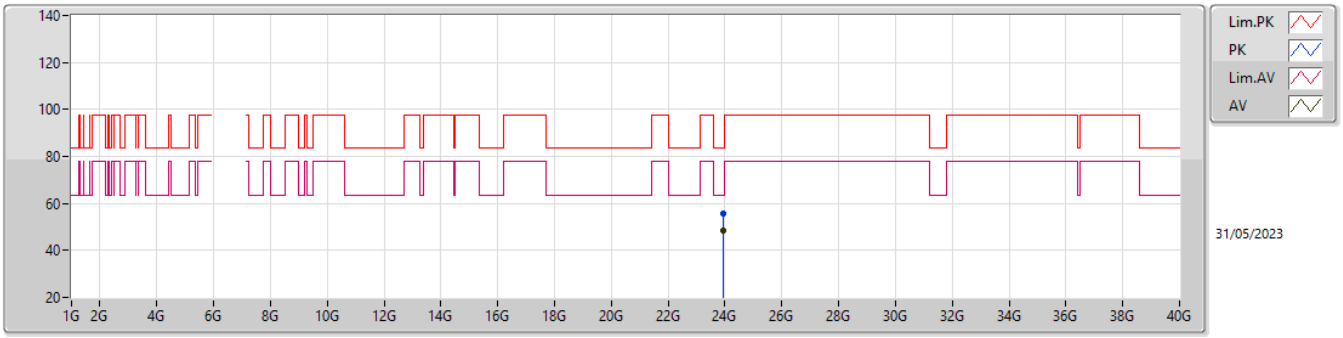


EUT Z_4TX
Setting 83
04-C-G-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.97756G	55.11	74.00	-18.89	50.90	3	Horizontal	15	2.54	-	38.84	8.59	43.22
AV	11.97816G	42.72	54.00	-11.28	38.51	3	Horizontal	15	2.54	-	38.84	8.59	43.22
PK	17.967G	60.28	74.00	-13.72	48.27	3	Horizontal	142	1.37	-	41.67	11.58	41.24
AV	17.96982G	47.54	54.00	-6.46	35.53	3	Horizontal	142	1.37	-	41.67	11.58	41.24

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

5985MHz_TX

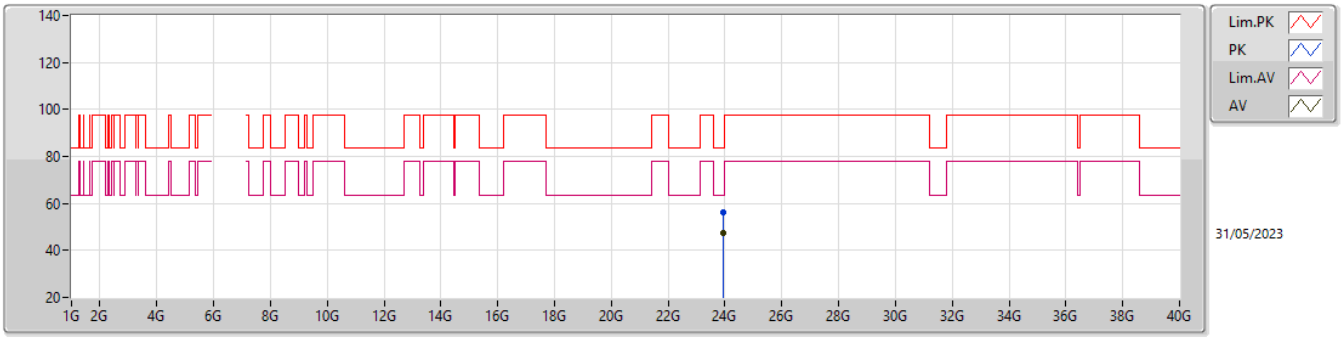


EUT Z_4TX
Setting 83
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	23.94864G	55.64	83.54	-27.90	48.04	1	Vertical	230	2.26	-	38.80	19.02	50.22
AV	23.9451G	48.23	63.54	-15.31	40.63	1	Vertical	230	2.26	-	38.80	19.02	50.22

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

5985MHz_TX

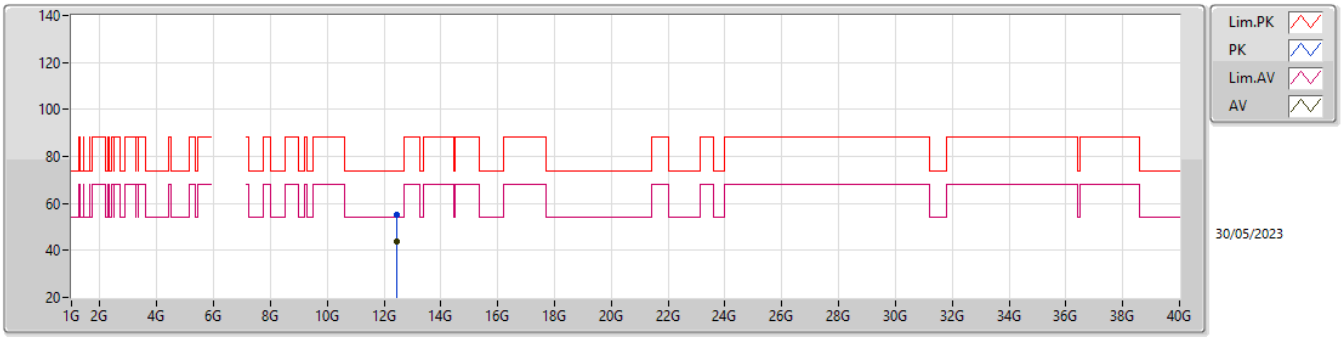


EUT Z_4TX
Setting 83
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	23.95446G	56.39	83.54	-27.15	48.79	1	Horizontal	15	1.42	-	38.80	19.02	50.22
AV	23.9496G	47.36	63.54	-16.18	39.76	1	Horizontal	15	1.42	-	38.80	19.02	50.22

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

6225MHz_TX

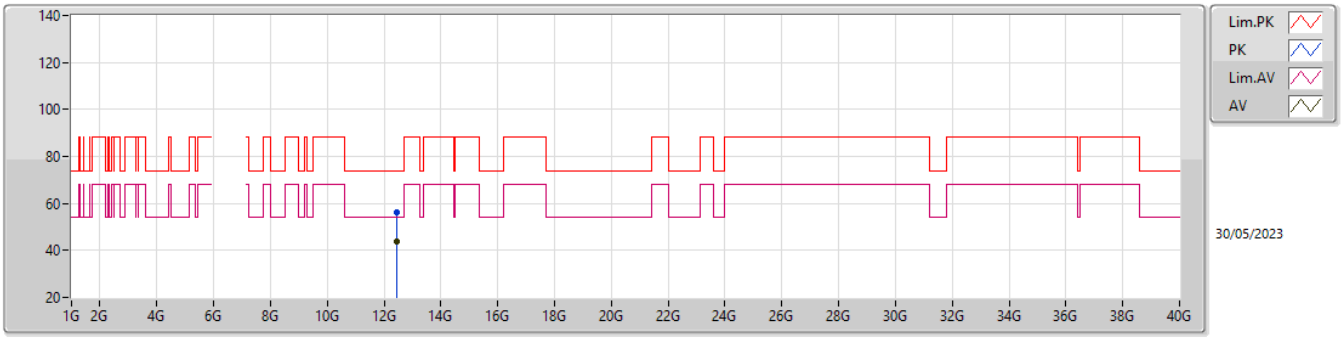


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.44688G	55.41	74.00	-18.59	41.96	3	Vertical	271	2.07	-	38.80	8.82	34.17
AV	12.44052G	43.57	54.00	-10.43	30.13	3	Vertical	271	2.07	-	38.80	8.82	34.18

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

6225MHz_TX

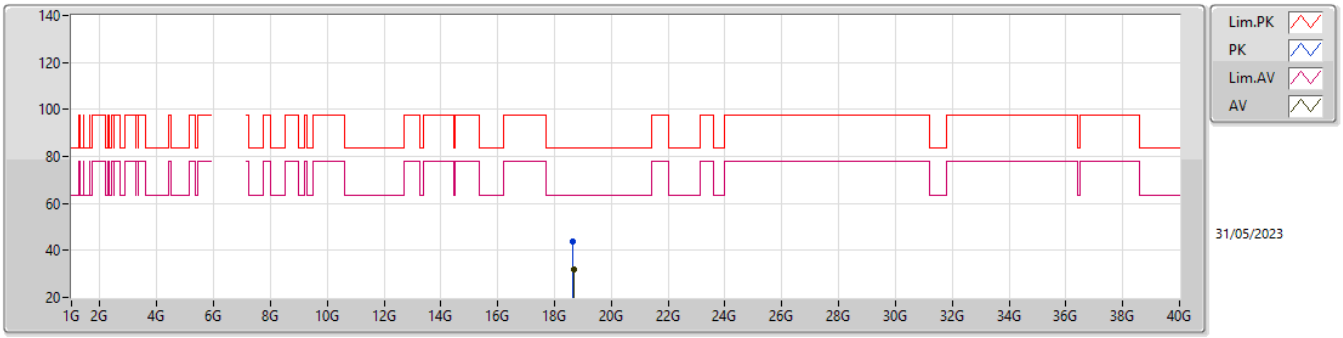


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.44334G	56.31	74.00	-17.69	42.87	3	Horizontal	123	2.71	-	38.80	8.82	34.18
AV	12.45492G	43.60	54.00	-10.40	30.14	3	Horizontal	123	2.71	-	38.80	8.83	34.17

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

6225MHz_TX

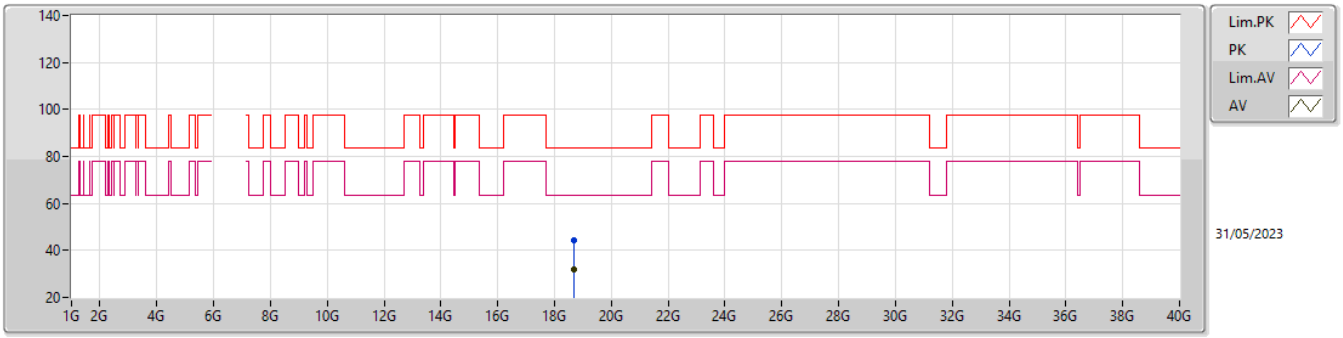


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	18.66084G	43.92	83.54	-39.62	40.01	1	Vertical	339	2.19	-	37.66	16.71	50.46
AV	18.6774G	31.75	63.54	-31.79	27.84	1	Vertical	339	2.19	-	37.67	16.72	50.48

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

6225MHz_TX

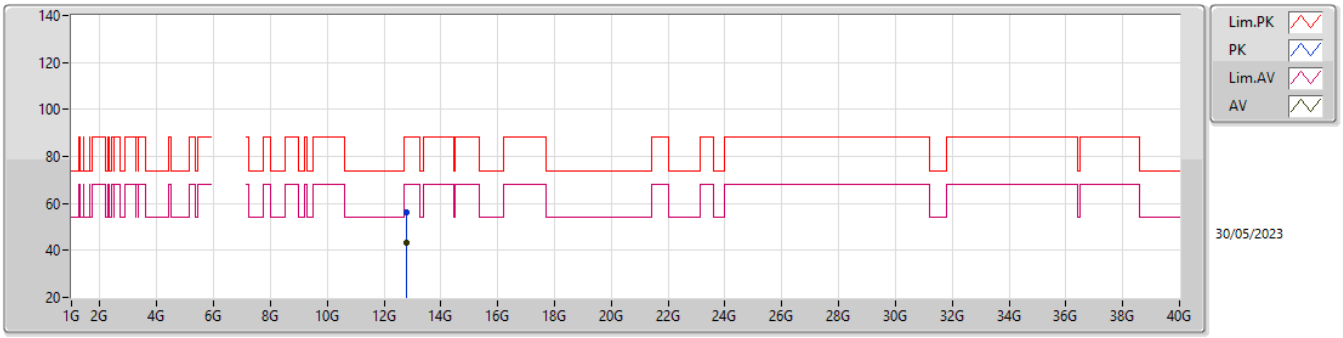


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	18.66768G	44.55	83.54	-38.99	40.64	1	Horizontal	64	2.04	-	37.67	16.71	50.47
AV	18.67098G	32.02	63.54	-31.52	28.10	1	Horizontal	64	2.04	-	37.67	16.72	50.47

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

6385MHz_TX

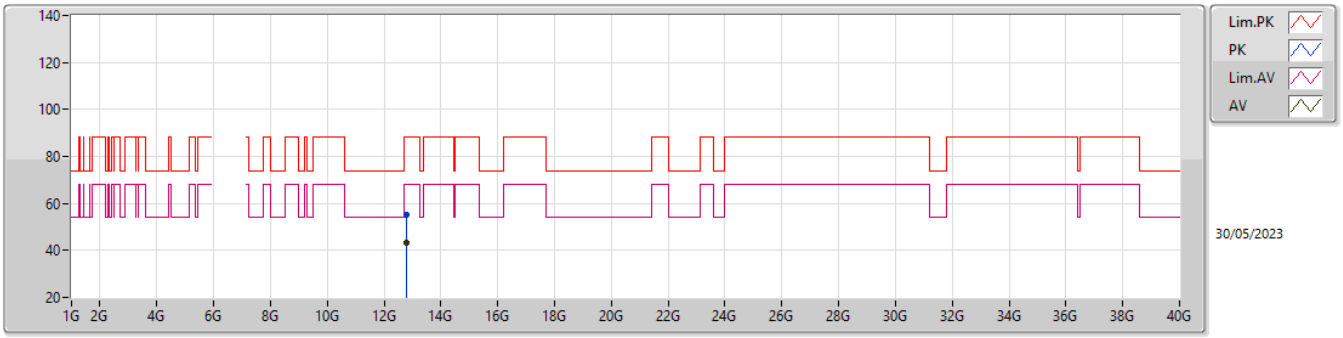


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.77276G	56.26	88.20	-31.94	42.09	3	Vertical	281	1.93	-	39.25	8.99	34.07
RMS	12.76838G	43.06	68.20	-25.14	28.91	3	Vertical	281	1.93	-	39.24	8.98	34.07

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

6385MHz_TX

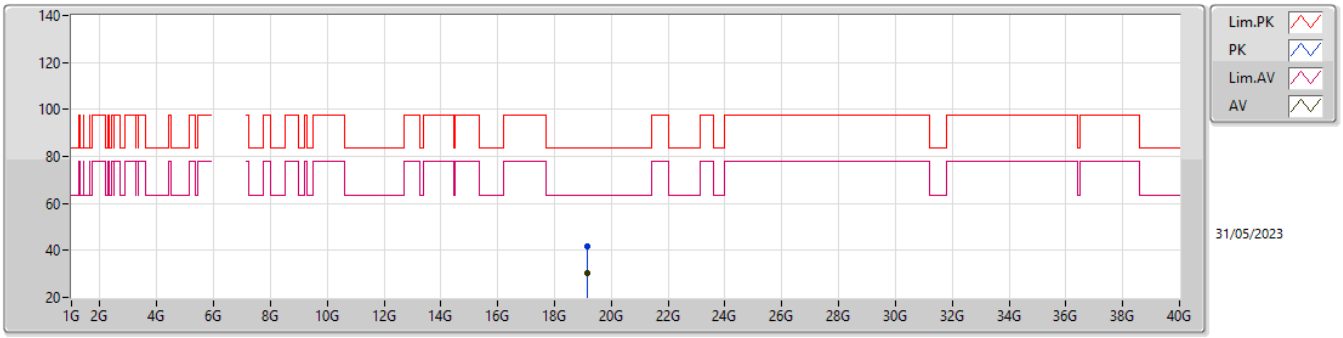


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.77078G	54.97	88.20	-33.23	40.81	3	Horizontal	102	2.09	-	39.24	8.99	34.07
RMS	12.77144G	43.17	68.20	-25.03	29.01	3	Horizontal	102	2.09	-	39.24	8.99	34.07

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

6385MHz_TX

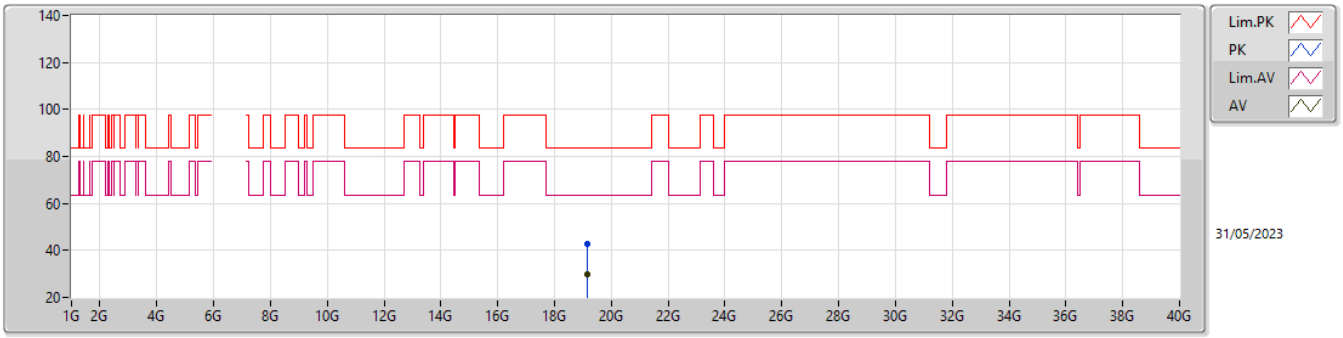


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	19.14576G	41.70	83.54	-41.84	38.20	1	Vertical	359	2.34	-	37.56	16.91	50.97
AV	19.15446G	30.37	63.54	-33.17	26.89	1	Vertical	359	2.34	-	37.56	16.91	50.99

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

6385MHz_TX

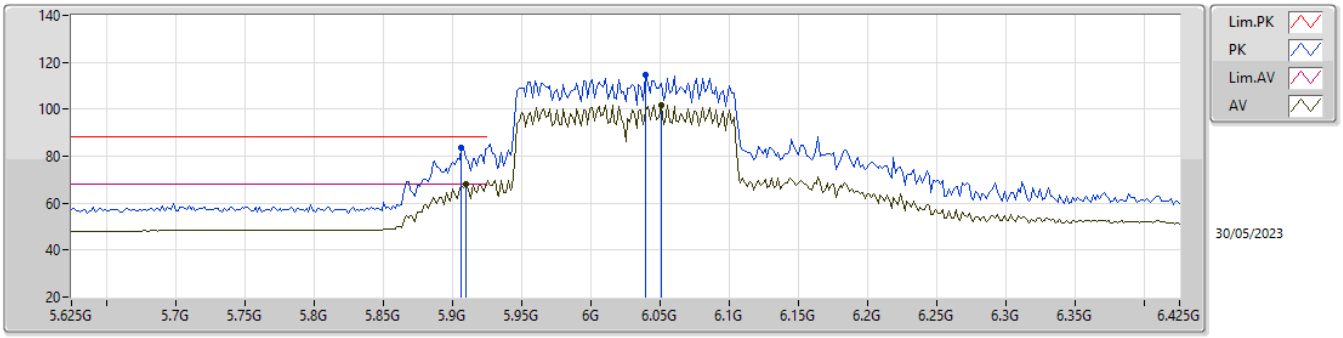


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	19.15314G	42.70	83.54	-40.84	39.21	1	Horizontal	240	2.02	-	37.56	16.91	50.98
AV	19.1601G	29.92	63.54	-33.62	26.43	1	Horizontal	240	2.02	-	37.56	16.92	50.99

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

6025MHz_TX

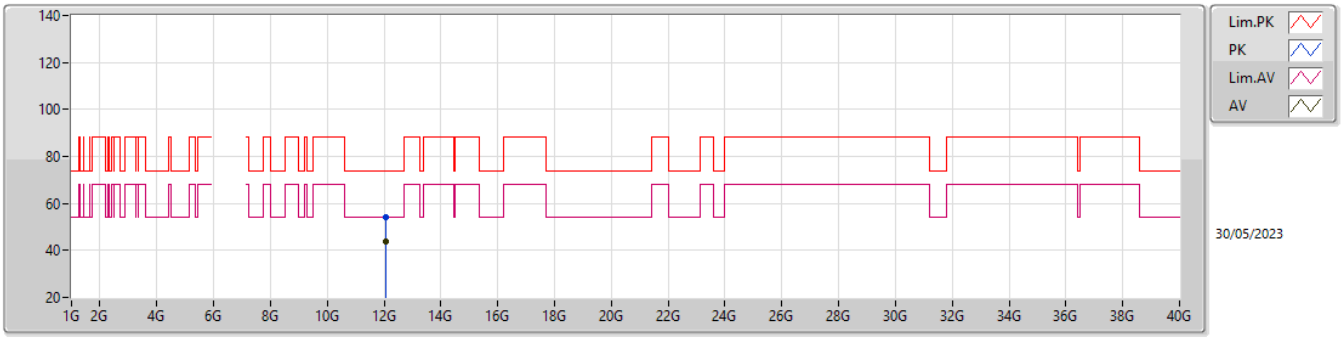


EUT Z_4TX
Setting 76
04-C-R-7-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.9066G	83.67	88.20	-4.53	75.53	3	Vertical	55	2.84	-	34.94	5.75	32.55
RMS	5.9098G	68.10	68.20	-0.10	59.94	3	Vertical	55	2.84	-	34.96	5.75	32.55
PK	6.0394G	114.61	Inf	-Inf	105.98	3	Vertical	55	2.84	-	35.38	5.84	32.59
RMS	6.0506G	101.82	Inf	-Inf	93.17	3	Vertical	55	2.84	-	35.40	5.85	32.60

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

6025MHz_TX

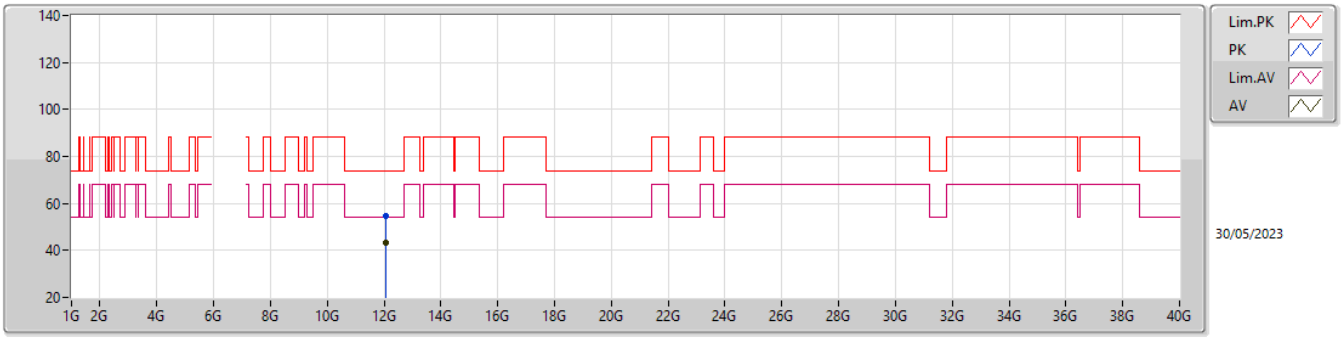


EUT Z_4TX
Setting 76
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.06326G	54.18	74.00	-19.82	41.10	3	Vertical	9	1.11	-	38.80	8.63	34.35
AV	12.05408G	43.59	54.00	-10.41	30.52	3	Vertical	9	1.11	-	38.80	8.63	34.36

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

6025MHz_TX

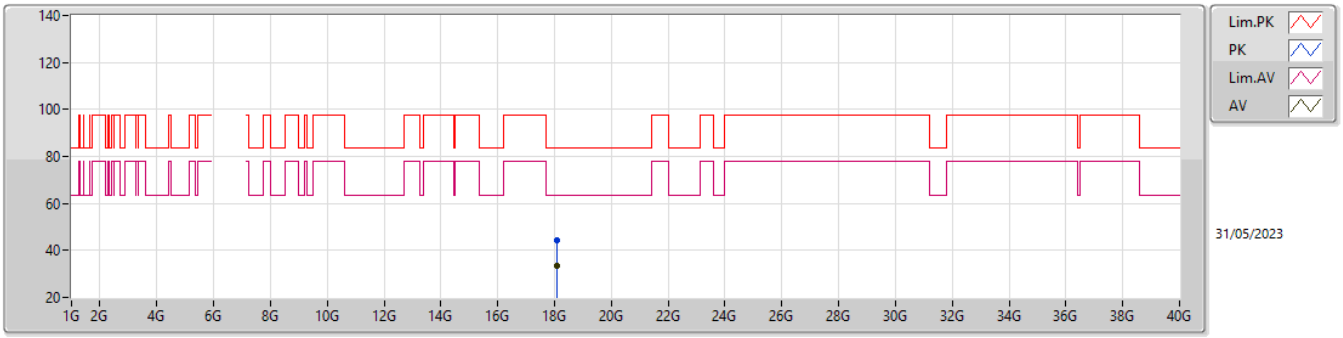


EUT Z_4TX
Setting 76
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.0617G	54.81	74.00	-19.19	41.73	3	Horizontal	60	1.49	-	38.80	8.63	34.35
AV	12.05564G	43.34	54.00	-10.66	30.26	3	Horizontal	60	1.49	-	38.80	8.63	34.35

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

6025MHz_TX

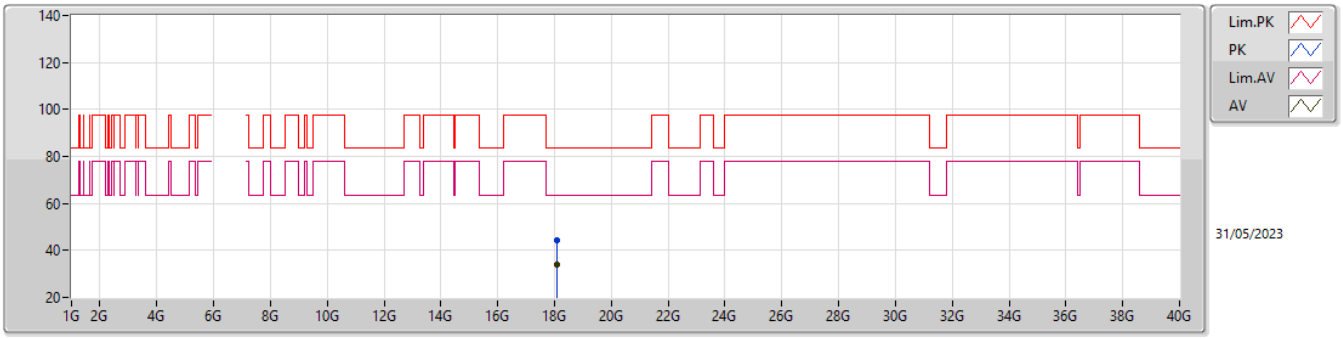


EUT Z_4TX
Setting 76
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	18.06936G	44.34	83.54	-39.20	40.07	1	Vertical	65	2.10	-	37.50	16.47	49.70
AV	18.07632G	33.65	63.54	-29.89	29.39	1	Vertical	65	2.10	-	37.50	16.47	49.71

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

6025MHz_TX

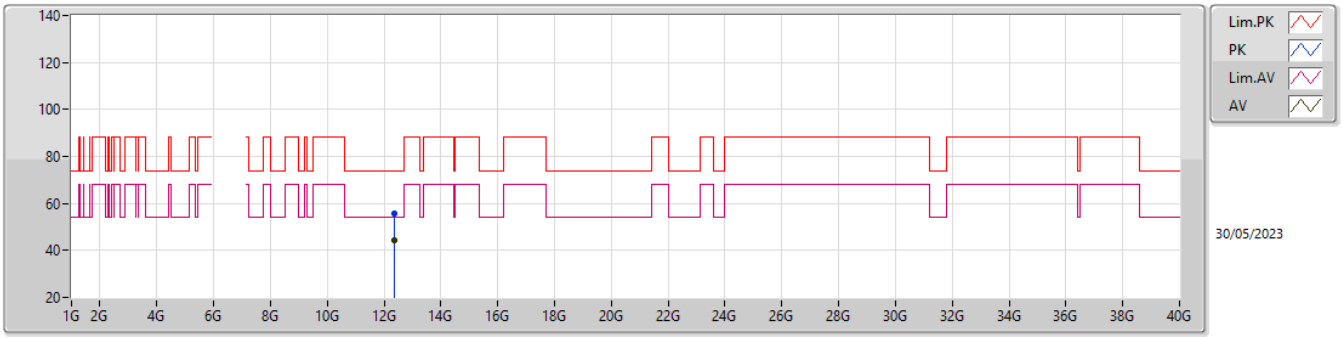


EUT Z_4TX
Setting 76
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	18.08106G	44.32	83.54	-39.22	40.06	1	Horizontal	177	2.26	-	37.50	16.47	49.71
AV	18.078G	33.99	63.54	-29.55	29.73	1	Horizontal	177	2.26	-	37.50	16.47	49.71

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

6185MHz_TX

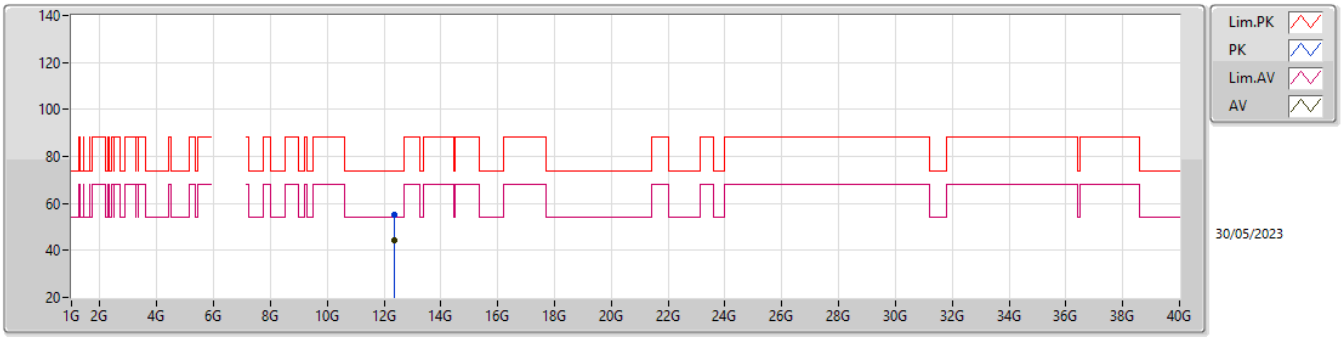


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.36376G	55.90	74.00	-18.10	42.60	3	Vertical	61	1.49	-	38.73	8.78	34.21
AV	12.37258G	44.37	54.00	-9.63	31.04	3	Vertical	61	1.49	-	38.75	8.79	34.21

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

6185MHz_TX

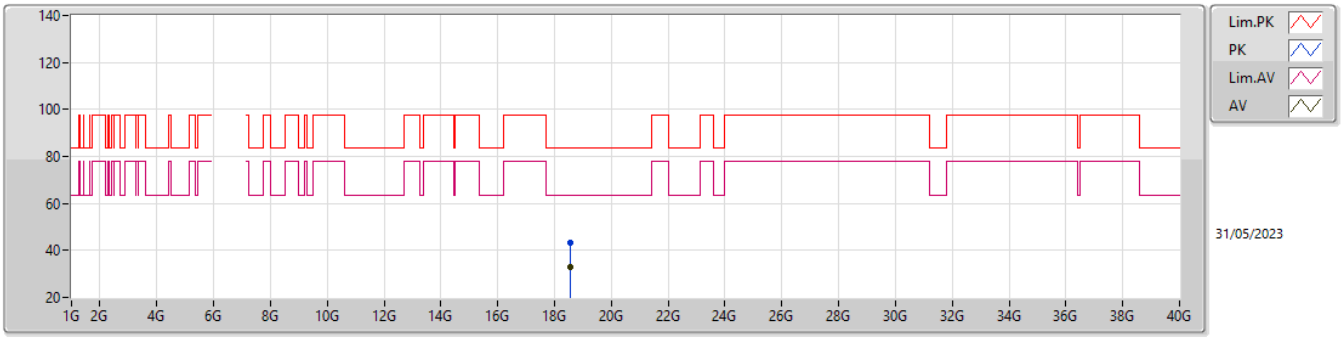


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.35854G	55.20	74.00	-18.80	41.92	3	Horizontal	107	1.30	-	38.72	8.78	34.22
AV	12.38362G	44.40	54.00	-9.60	31.04	3	Horizontal	107	1.30	-	38.77	8.79	34.20

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

6185MHz_TX

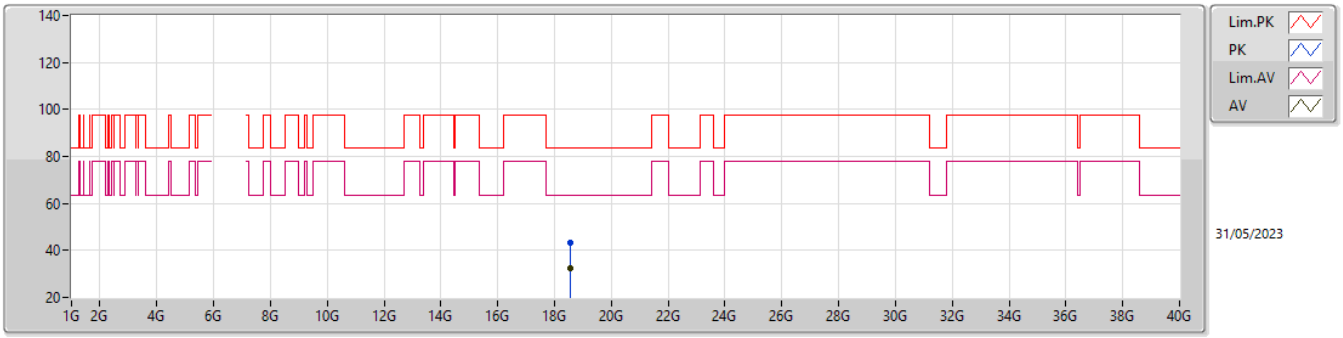


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	18.55308G	43.06	83.54	-40.48	39.12	1	Vertical	186	1.74	-	37.62	16.67	50.35
AV	18.55182G	32.76	63.54	-30.78	28.82	1	Vertical	186	1.74	-	37.62	16.67	50.35

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

6185MHz_TX

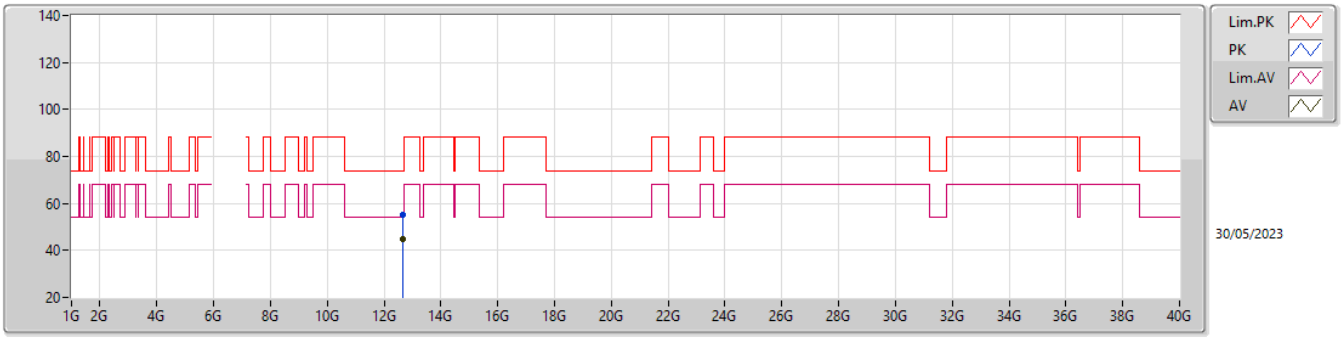


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	18.56958G	43.15	83.54	-40.39	39.22	1	Horizontal	300	1.95	-	37.63	16.67	50.37
AV	18.54474G	32.67	63.54	-30.87	28.73	1	Horizontal	300	1.95	-	37.62	16.66	50.34

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

6345MHz_TX

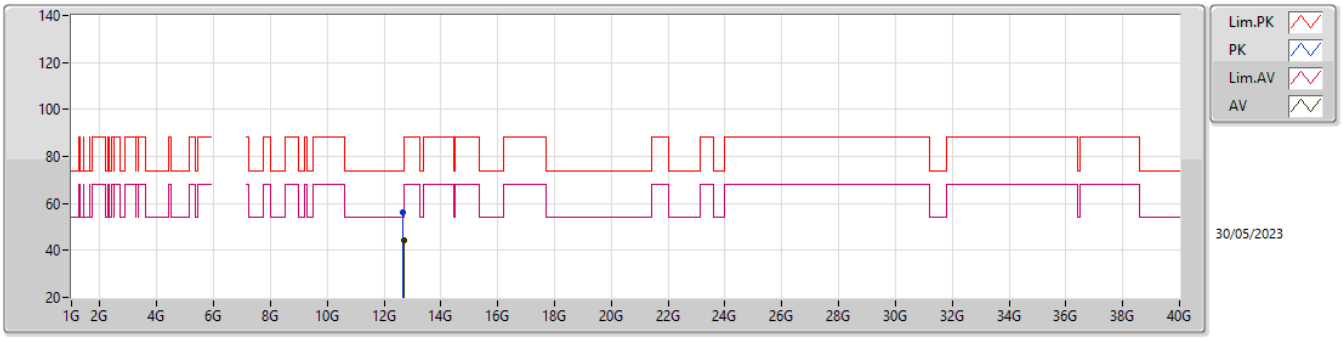


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.67722G	55.24	74.00	-18.76	41.35	3	Vertical	15	1.00	-	39.05	8.94	34.10
AV	12.67722G	44.78	54.00	-9.22	30.89	3	Vertical	15	1.00	-	39.05	8.94	34.10

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

6345MHz_TX

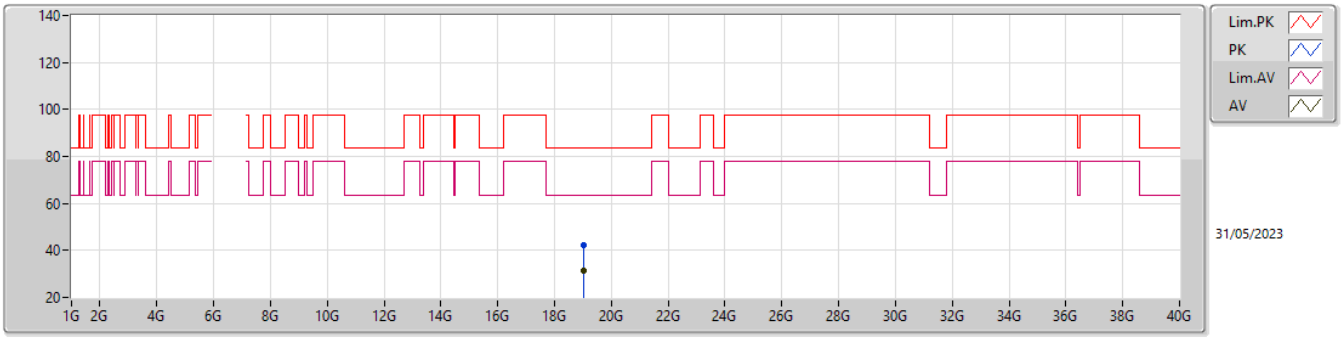


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	12.67746G	55.99	74.00	-18.01	42.10	3	Horizontal	0	1.80	-	39.05	8.94	34.10
AV	12.68562G	44.40	54.00	-9.60	30.48	3	Horizontal	0	1.80	-	39.07	8.94	34.09

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

6345MHz_TX

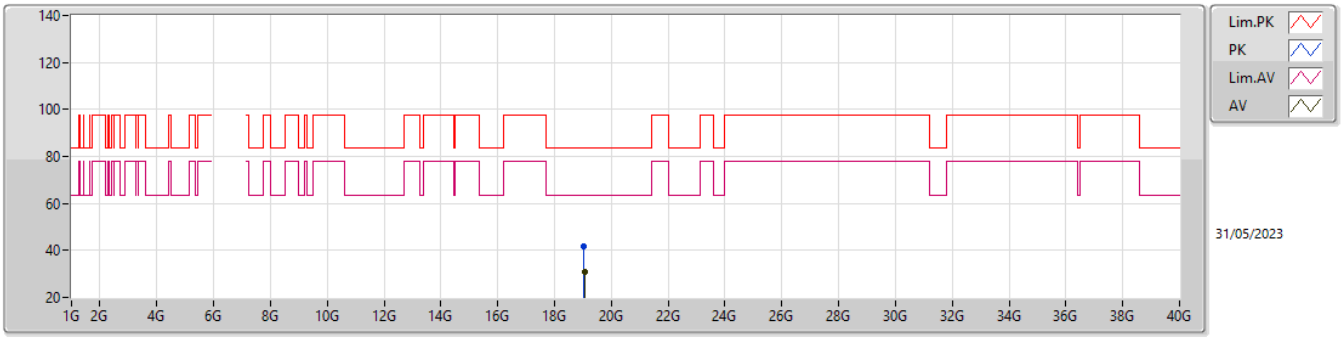


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	19.04394G	42.27	83.54	-41.27	38.73	1	Vertical	317	2.17	-	37.52	16.87	50.85
AV	19.04748G	31.42	63.54	-32.12	27.89	1	Vertical	317	2.17	-	37.52	16.87	50.86

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

6345MHz_TX

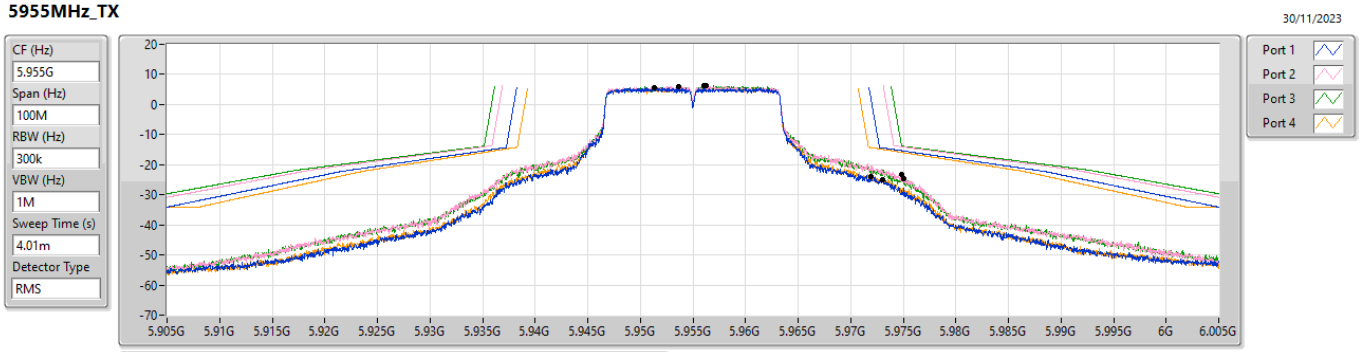


EUT Z_4TX
Setting 108
04-C-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	19.0359G	41.64	83.54	-41.90	38.11	1	Horizontal	180	2.32	-	37.51	16.86	50.84
AV	19.0491G	31.10	63.54	-32.44	27.57	1	Horizontal	180	2.32	-	37.52	16.87	50.86

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX **MASK**

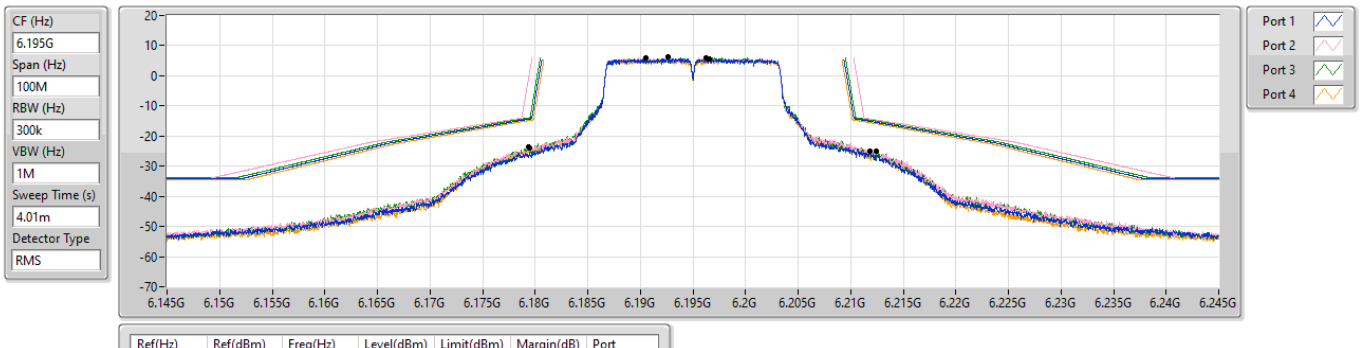
5955MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
5.951326G	5.72	5.97305G	-24.88	-14.43	-10.45	1
5.956225G	6.31	5.97485G	-23.21	-14.04	-9.17	2
5.9561G	6.19	5.975G	-24.74	-13.88	-10.86	3
5.95365G	5.81	5.97195G	-23.81	-14.32	-9.49	4

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX **MASK**

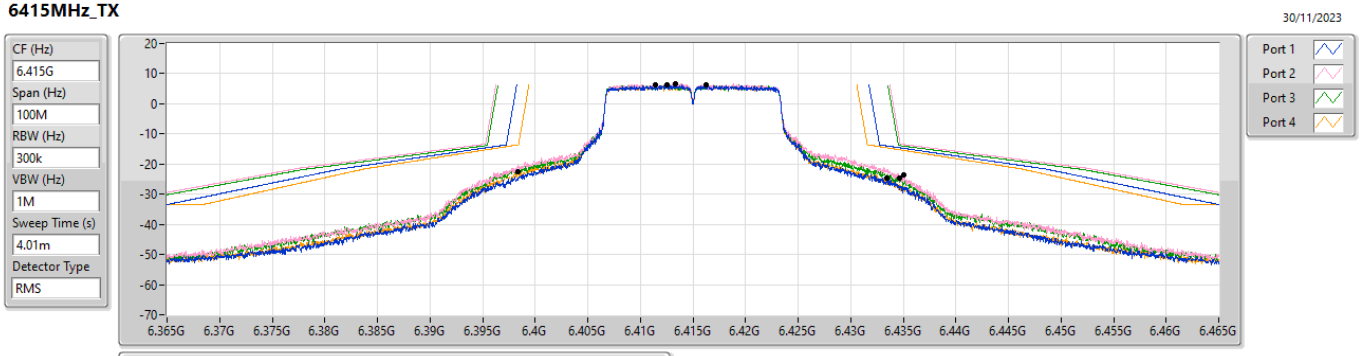
6195MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.196225G	5.78	6.211875G	-24.88	-15.15	-9.73	1
6.190576G	5.99	6.2124G	-24.83	-14.63	-10.20	2
6.192651G	6.12	6.179375G	-23.58	-13.96	-9.62	3
6.1966G	5.44	6.17945G	-24.06	-14.80	-9.26	4

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX **MASK**

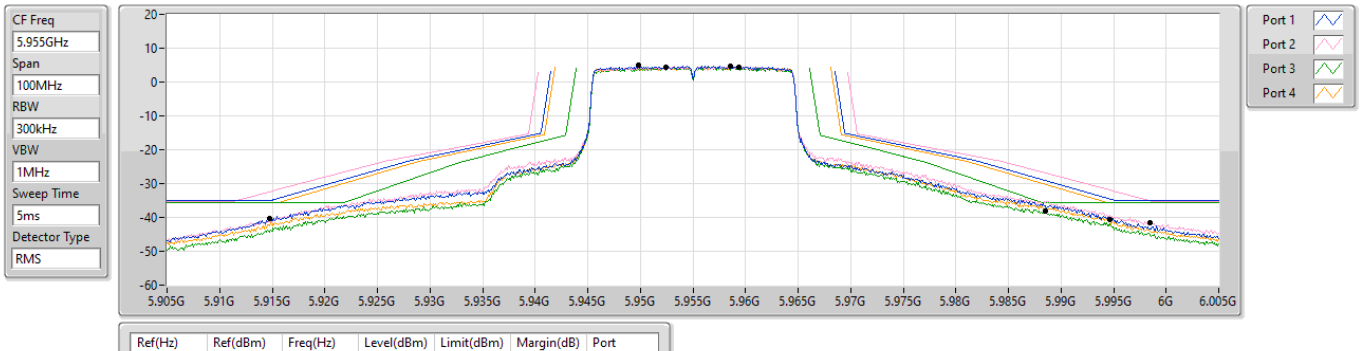
6415MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.412526G	6.38	6.433475G	-24.79	-13.99	-10.80	1
6.413375G	6.65	6.4351G	-23.55	-13.53	-10.02	2
6.411451G	6.19	6.434675G	-24.55	-13.87	-10.68	3
6.41625G	6.42	6.3984G	-22.38	-13.59	-8.79	4

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **MASK**

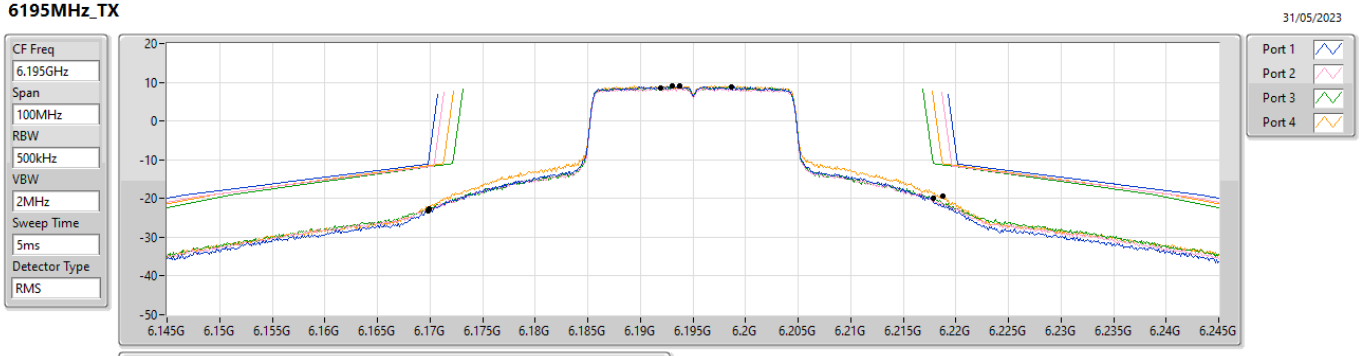
5955MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
5.94981G	4.85	5.9147G	-40.42	-35.15	-5.27	1
5.9586G	4.67	5.9985G	-41.59	-35.08	-6.51	2
5.9594G	4.31	5.9885G	-38.22	-35.69	-2.53	3
5.9524G	4.47	5.9946G	-40.47	-35.53	-4.94	4

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **MASK**

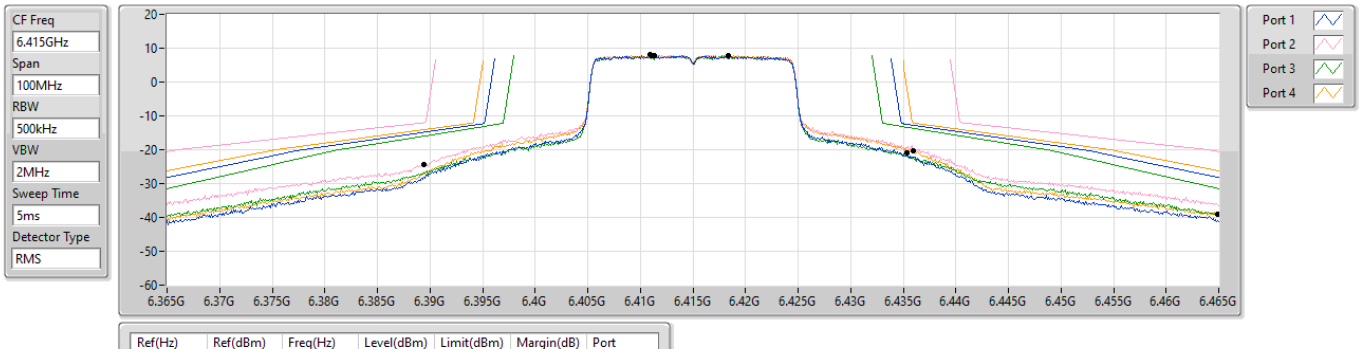
6195MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.1987G	8.87	6.1698G	-23.16	-11.13	-12.03	1
6.1919G	8.40	6.1699G	-22.57	-11.76	-10.81	2
6.193G	9.05	6.2179G	-19.95	-10.96	-8.99	3
6.1937G	9.01	6.2188G	-19.24	-11.01	-8.23	4

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **MASK**

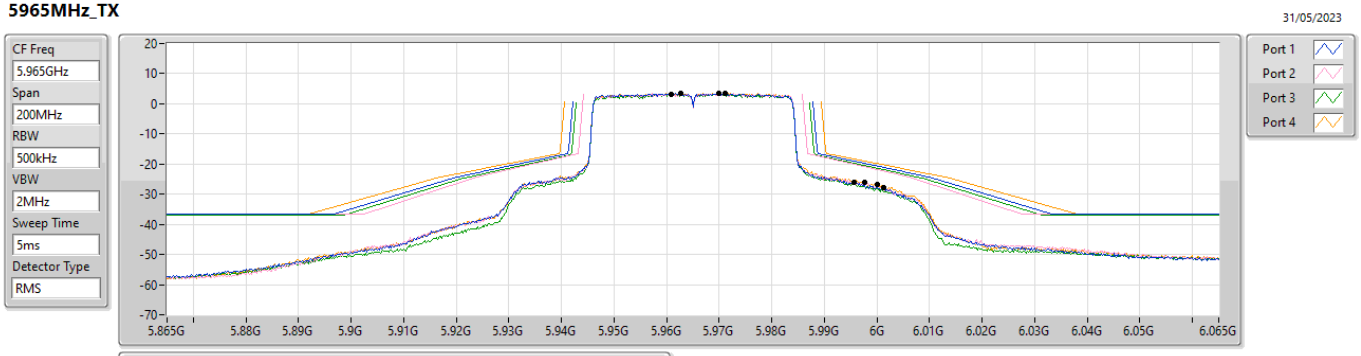
6415MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.411G	7.79	6.4354G	-21.09	-12.50	-8.59	1
6.4109G	8.05	6.3894G	-24.31	-12.01	-12.30	2
6.4184G	7.81	6.4649G	-38.95	-31.42	-7.53	3
6.4113G	7.92	6.436G	-20.22	-12.12	-8.10	4

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **MASK**

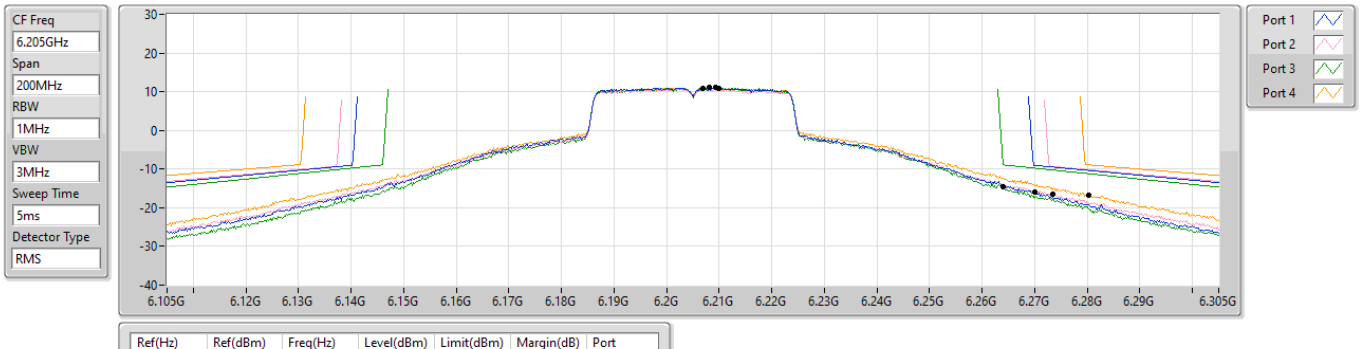
5965MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
5.97G	3.53	6.0012G	-27.75	-21.10	-6.65	1
5.9626G	3.50	5.9976G	-26.06	-20.87	-5.19	2
5.9608G	3.14	5.9956G	-25.98	-19.73	-6.25	3
5.97119G	3.52	6G	-26.74	-19.83	-6.91	4

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **MASK**

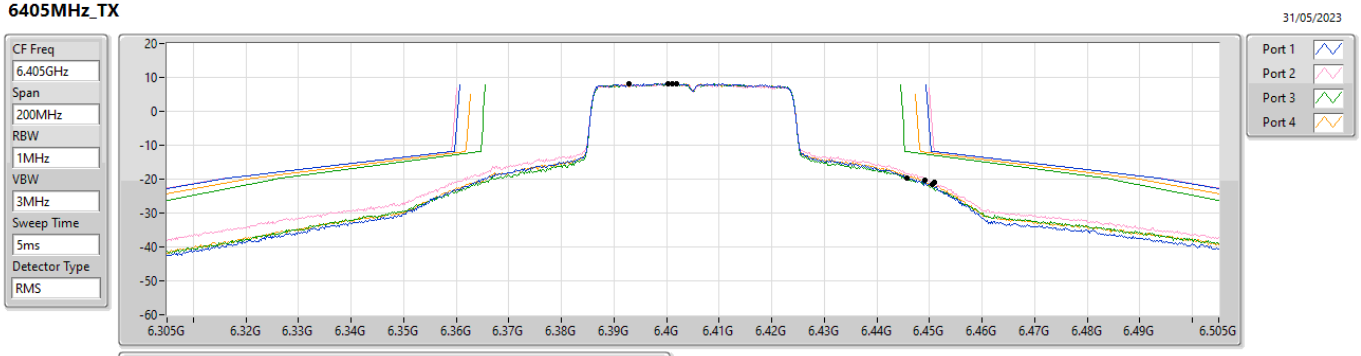
6205MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.21G	10.99	6.27G	-15.95	-9.05	-6.90	1
6.207G	10.75	6.2734G	-16.46	-9.34	-7.12	2
6.2082G	11.08	6.264G	-14.68	-8.92	-5.76	3
6.2094G	11.16	6.2802G	-16.71	-8.92	-7.79	4

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **MASK**

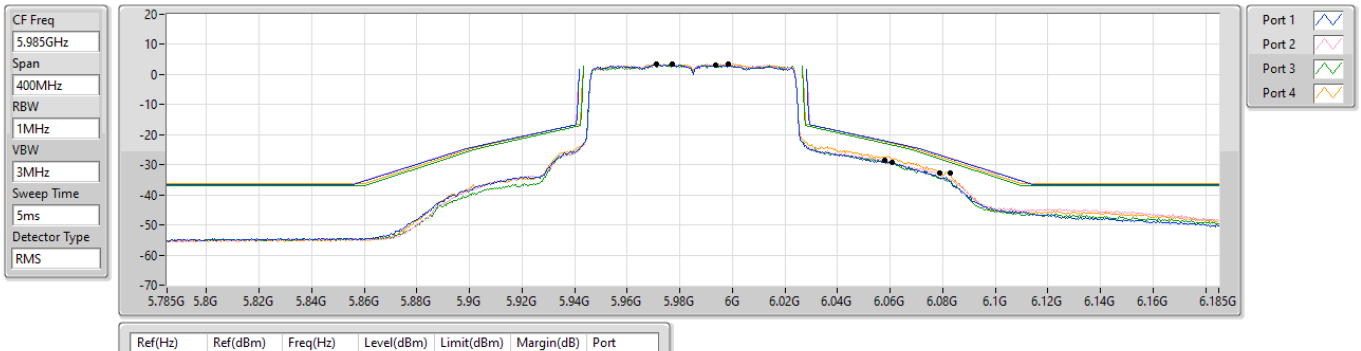
6405MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.4002G	8.25	6.4506G	-21.68	-11.79	-9.89	1
6.4018G	8.07	6.451G	-21.09	-11.94	-9.15	2
6.39281G	8.19	6.4458G	-19.64	-11.90	-7.74	3
6.401G	8.12	6.4492G	-20.24	-12.07	-8.17	4

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **MASK**

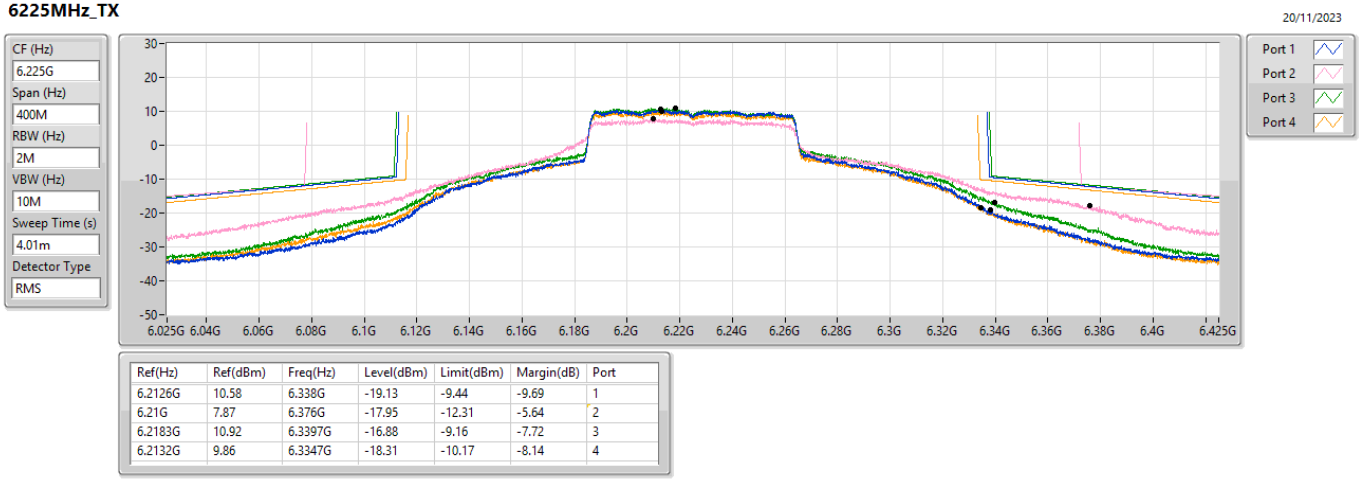
5985MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
5.97101G	3.36	6.0606G	-29.26	-22.62	-6.64	1
5.99859G	3.38	6.079G	-32.90	-26.65	-6.25	2
5.99379G	3.08	6.0578G	-28.56	-22.88	-5.68	3
5.97701G	3.59	6.083G	-32.81	-28.54	-4.27	4

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **MASK**

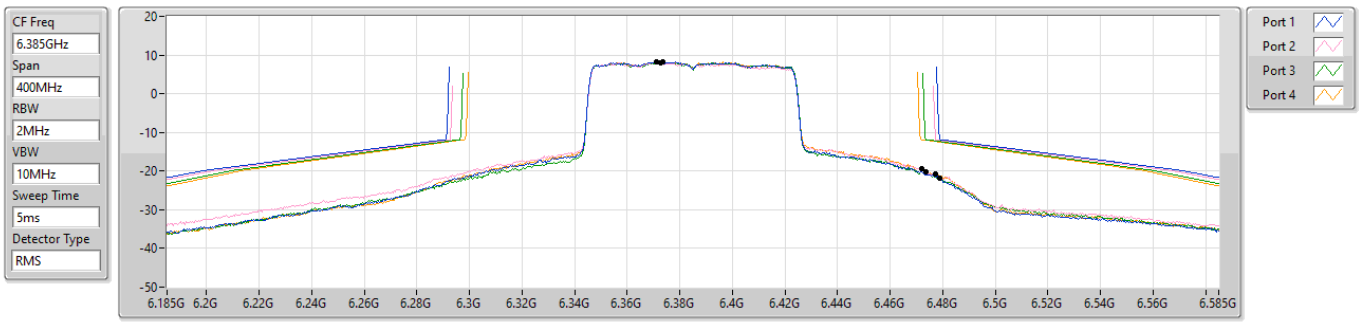
6225MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.2126G	10.58	6.338G	-19.13	-9.44	-9.69	1
6.21G	7.87	6.376G	-17.95	-12.31	-5.64	2
6.2183G	10.92	6.3397G	-16.88	-9.16	-7.72	3
6.2132G	9.86	6.3347G	-18.31	-10.17	-8.14	4

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **MASK**

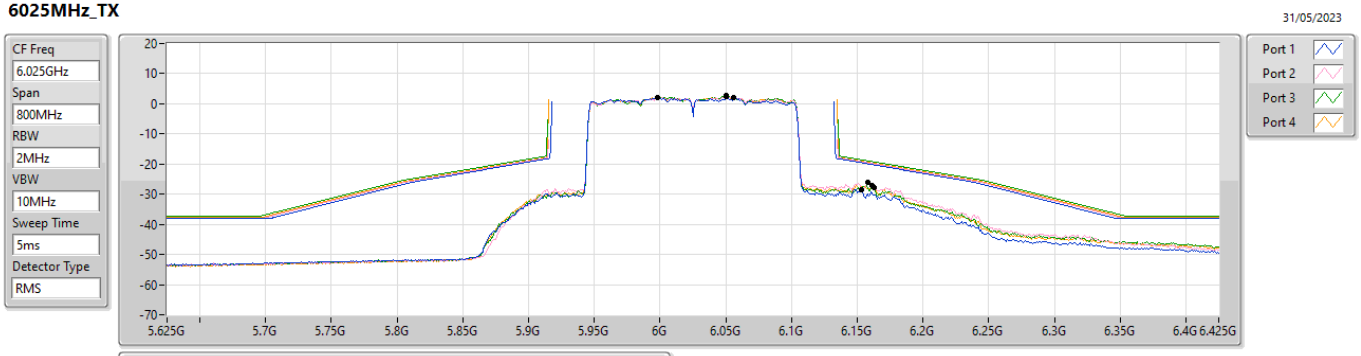
6385MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.37101G	8.19	6.479G	-21.87	-11.83	-10.04	1
6.37261G	8.07	6.4774G	-20.81	-11.94	-8.87	2
6.37341G	8.17	6.4738G	-20.31	-11.86	-8.45	3
6.37101G	8.21	6.4722G	-19.40	-11.86	-7.54	4

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX **MASK**

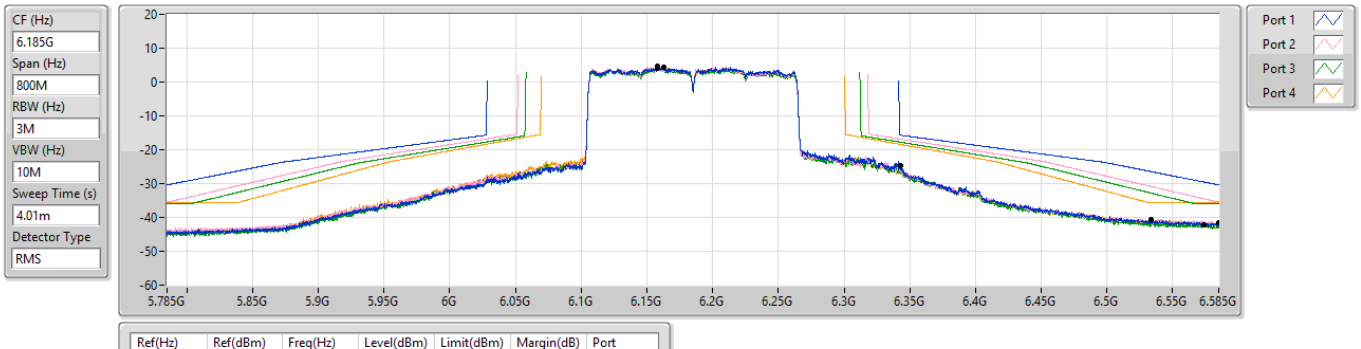
6025MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
5.99783G	1.95	6.153G	-28.60	-19.55	-9.05	1
6.05617G	2.10	6.1578G	-26.00	-19.60	-6.40	2
6.05057G	2.66	6.161G	-27.08	-19.17	-7.91	3
6.05057G	2.25	6.1626G	-27.87	-19.74	-8.13	4

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX **MASK**

6185MHz_TX

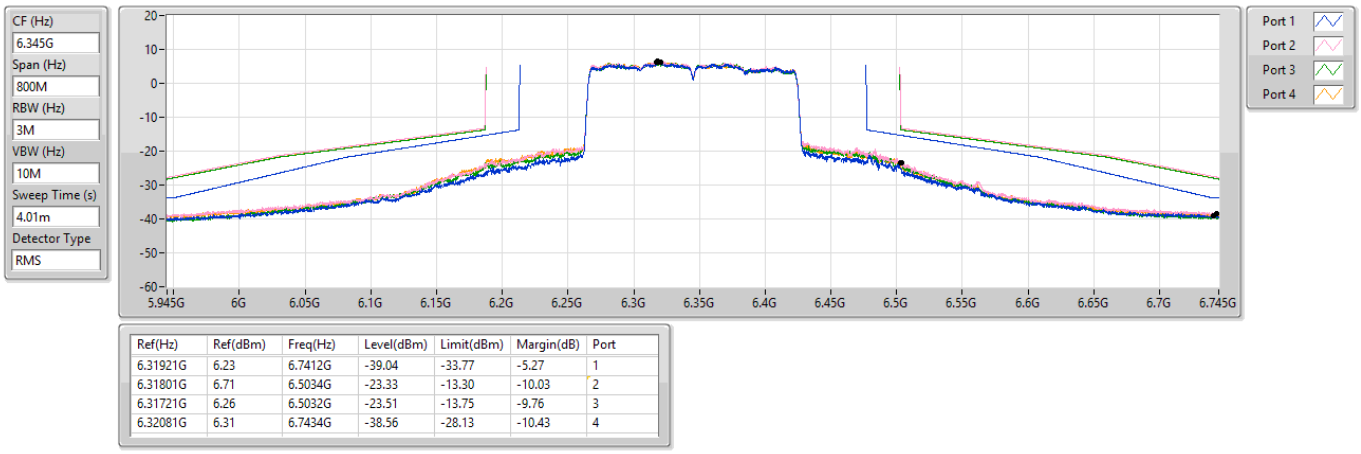


Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.16261G	4.31	6.3426G	-24.81	-15.71	-9.10	1
6.15821G	4.61	6.5848G	-41.54	-35.39	-6.15	2
6.15821G	4.14	6.5738G	-42.11	-35.86	-6.25	3
6.15801G	4.51	6.5336G	-40.48	-35.49	-4.99	4

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX **MASK**

6345MHz_TX

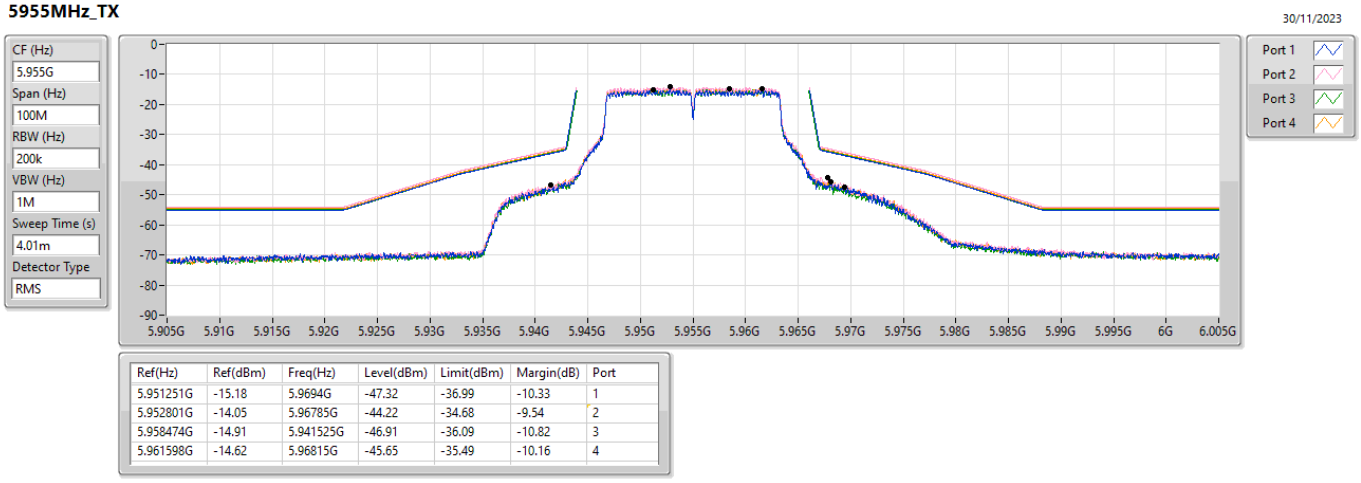
20/11/2023



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.31921G	6.23	6.7412G	-39.04	-33.77	-5.27	1
6.31801G	6.71	6.5034G	-23.33	-13.30	-10.03	2
6.31721G	6.26	6.5032G	-23.51	-13.75	-9.76	3
6.32081G	6.31	6.7434G	-38.56	-28.13	-10.43	4

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX **MASK**

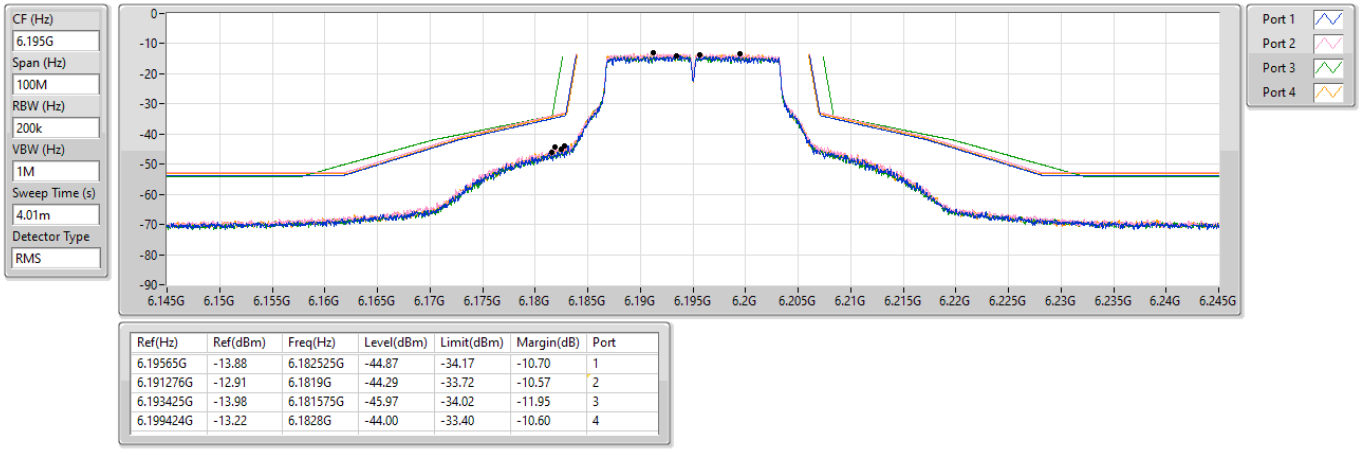
5955MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
5.951251G	-15.18	5.9694G	-47.32	-36.99	-10.33	1
5.952801G	-14.05	5.96785G	-44.22	-34.68	-9.54	2
5.958474G	-14.91	5.941525G	-46.91	-36.09	-10.82	3
5.961598G	-14.62	5.96815G	-45.65	-35.49	-10.16	4

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX **MASK**

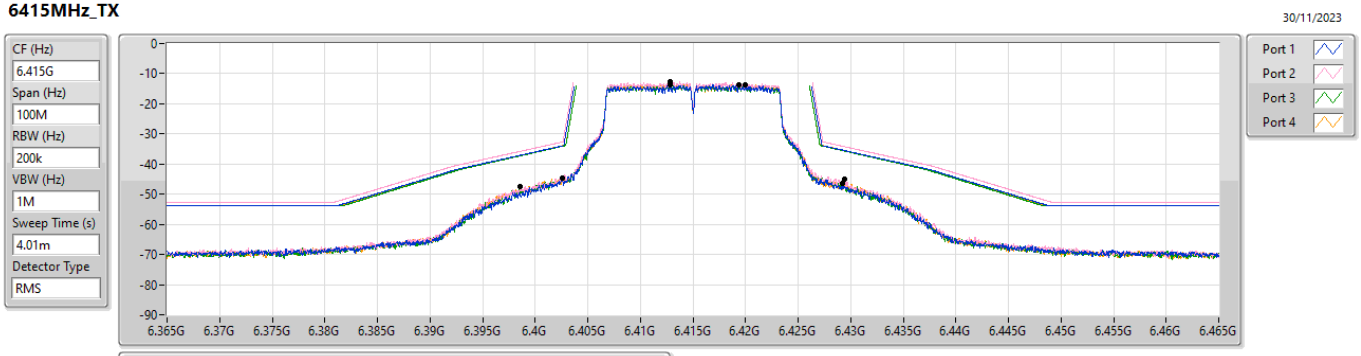
6195MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.19565G	-13.88	6.182525G	-44.87	-34.17	-10.70	1
6.191276G	-12.91	6.1819G	-44.29	-33.72	-10.57	2
6.193425G	-13.98	6.181575G	-45.97	-34.02	-11.95	3
6.199424G	-13.22	6.1828G	-44.00	-33.40	-10.60	4

5.925-6.425GHz_802.11a_Nss1,(6Mbps)_4TX **MASK**

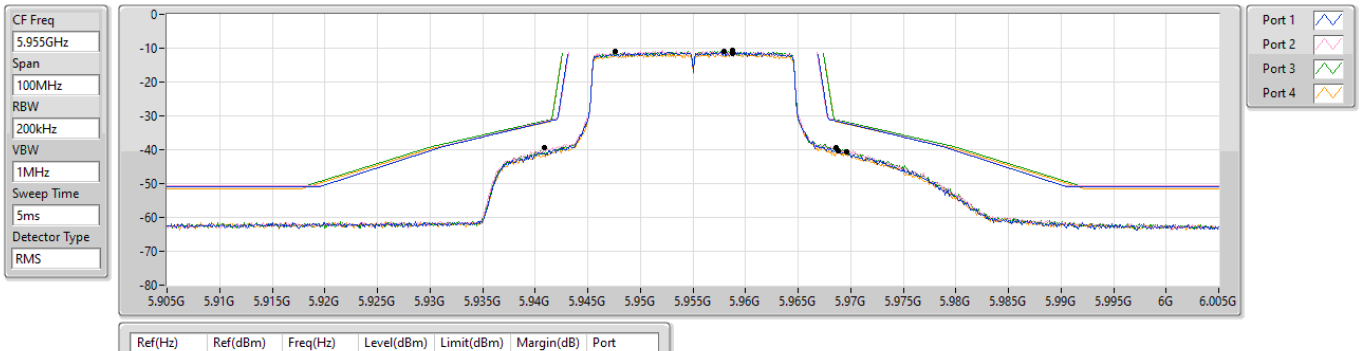
6415MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.419349G	-13.85	6.429175G	-46.41	-35.33	-11.08	1
6.412826G	-12.64	6.429425G	-45.07	-34.24	-10.83	2
6.412801G	-13.82	6.40255G	-44.48	-34.11	-10.37	3
6.420024G	-13.66	6.39855G	-47.55	-37.13	-10.42	4

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **MASK**

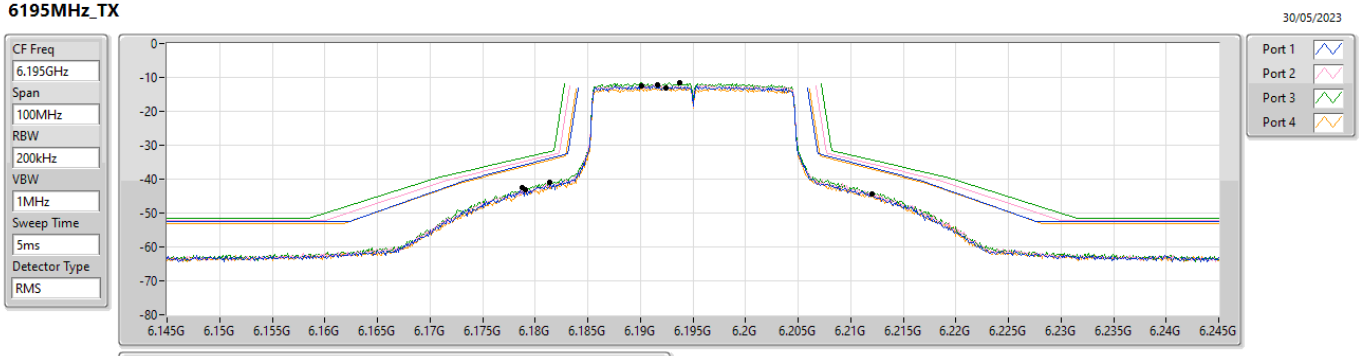
5955MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
5.958G	-10.99	5.9696G	-40.52	-32.28	-8.24	1
5.9588G	-10.70	5.9409G	-39.46	-31.69	-7.77	2
5.94761G	-10.99	5.9686G	-39.38	-31.15	-8.23	3
5.9588G	-11.62	5.9688G	-40.45	-31.88	-8.57	4

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **MASK**

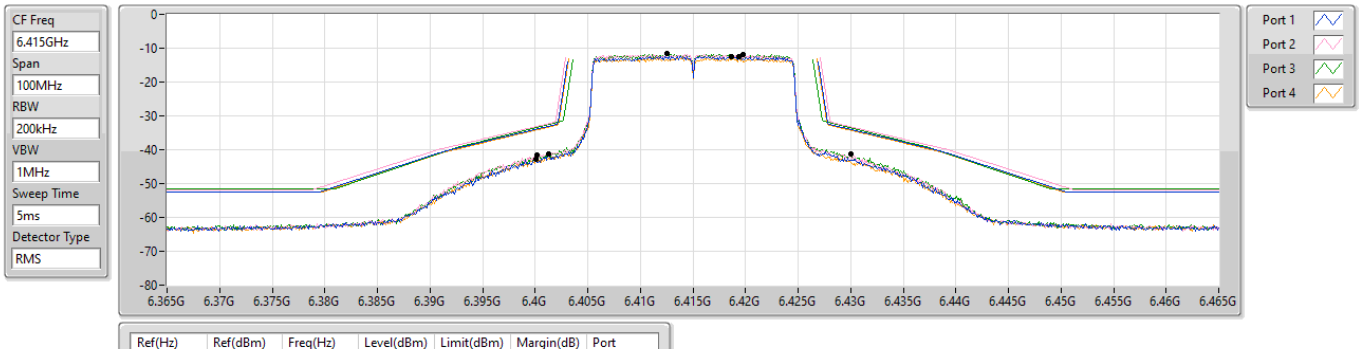
6195MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.1901G	-12.46	6.1791G	-42.97	-35.73	-7.24	1
6.1916G	-12.31	6.1814G	-40.79	-33.00	-7.79	2
6.1937G	-11.61	6.1788G	-42.60	-33.77	-8.83	3
6.1924G	-13.17	6.212G	-44.25	-37.07	-7.18	4

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **MASK**

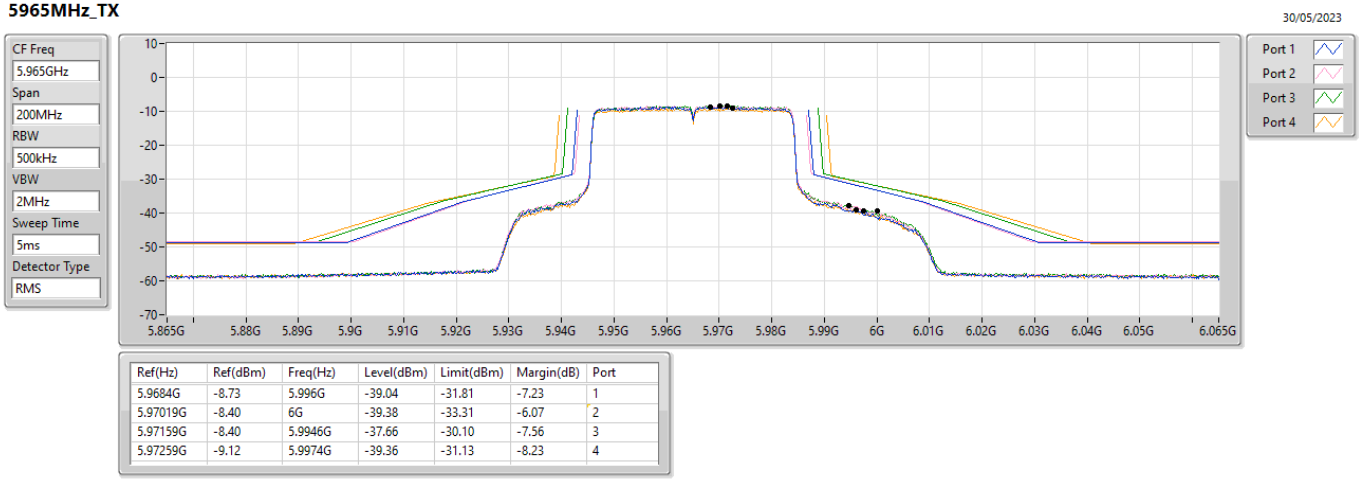
6415MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.4187G	-12.43	6.4013G	-41.37	-33.08	-8.29	1
6.4198G	-11.82	6.4002G	-41.45	-33.09	-8.36	2
6.4125G	-11.45	6.43G	-41.25	-33.54	-7.71	3
6.4194G	-12.62	6.4001G	-42.78	-34.20	-8.58	4

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **MASK**

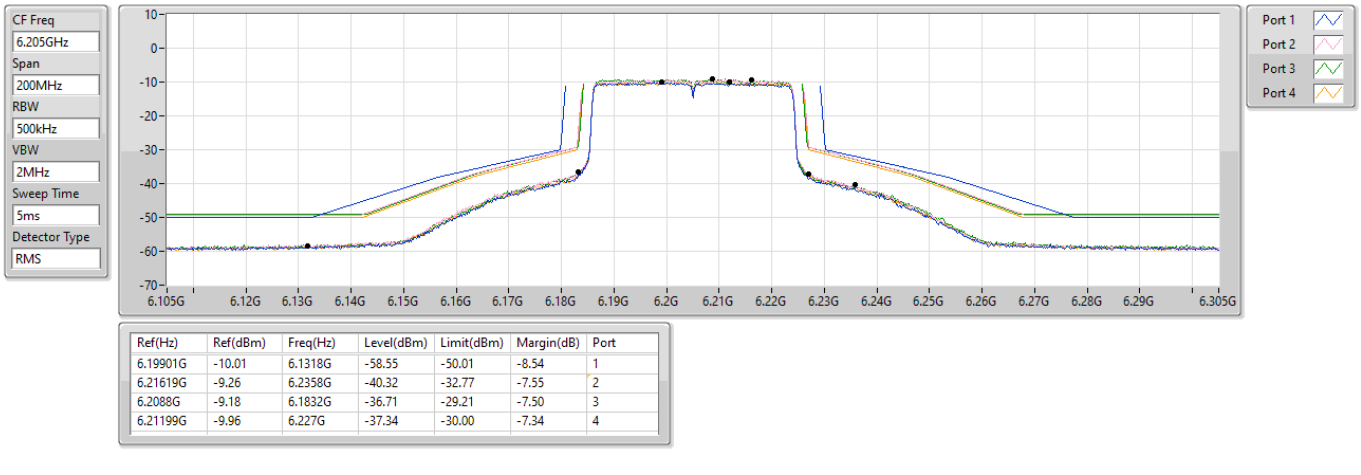
5965MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
5.9684G	-8.73	5.996G	-39.04	-31.81	-7.23	1
5.97019G	-8.40	6G	-39.38	-33.31	-6.07	2
5.97159G	-8.40	5.9946G	-37.66	-30.10	-7.56	3
5.97259G	-9.12	5.9974G	-39.36	-31.13	-8.23	4

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **MASK**

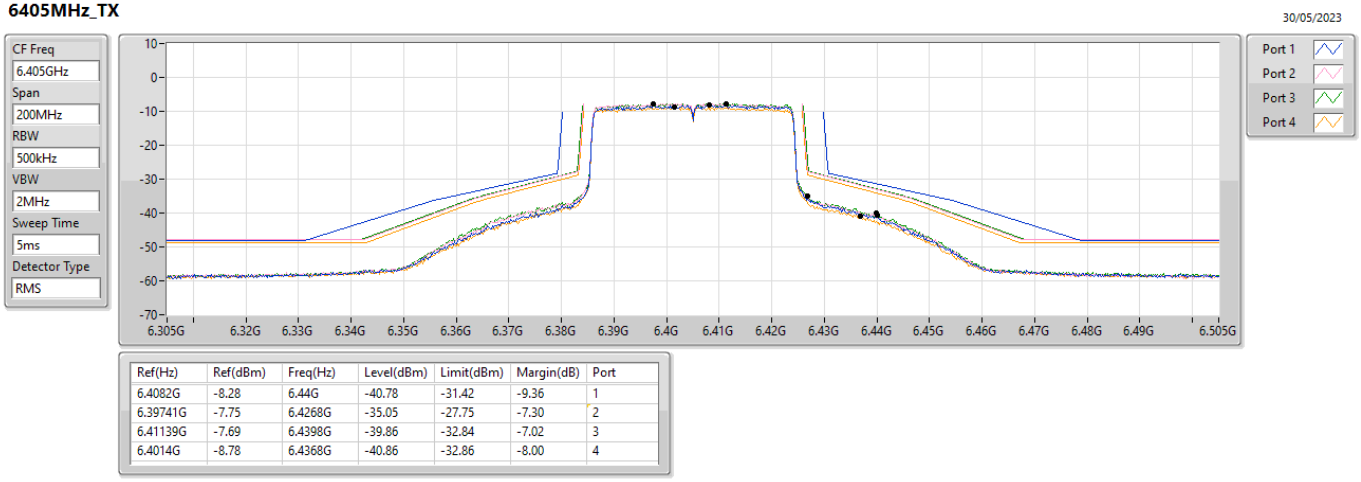
6205MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.19901G	-10.01	6.1318G	-58.55	-50.01	-8.54	1
6.21619G	-9.26	6.2358G	-40.32	-32.77	-7.55	2
6.2088G	-9.18	6.1832G	-36.71	-29.21	-7.50	3
6.21199G	-9.96	6.227G	-37.34	-30.00	-7.34	4

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **MASK**

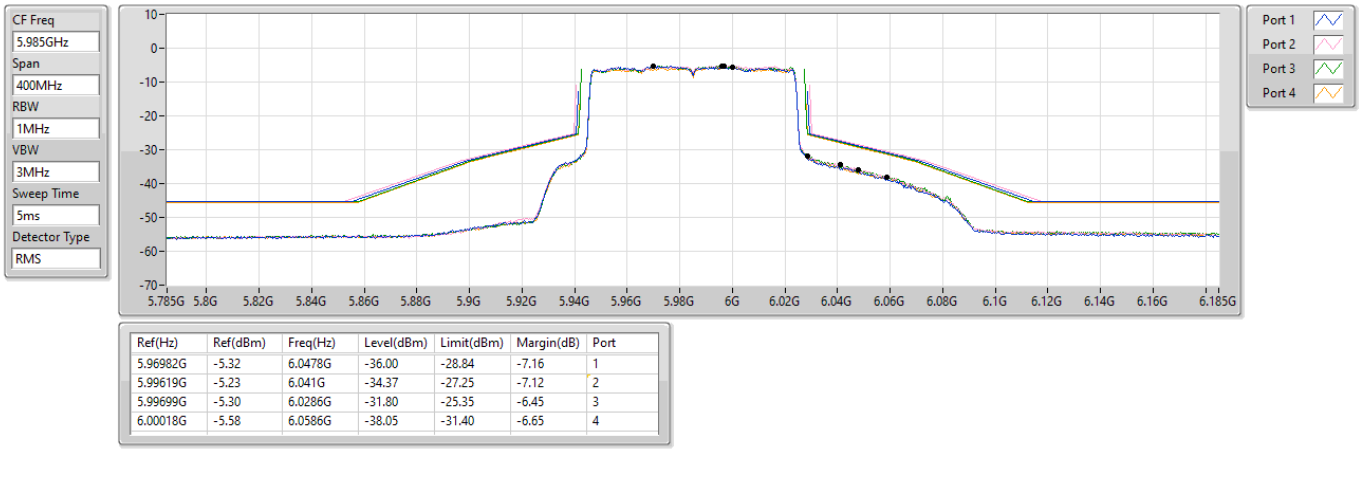
6405MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.4082G	-8.28	6.44G	-40.78	-31.42	-9.36	1
6.39741G	-7.75	6.4268G	-35.05	-27.75	-7.30	2
6.41139G	-7.69	6.4398G	-39.86	-32.84	-7.02	3
6.4014G	-8.78	6.4368G	-40.86	-32.86	-8.00	4

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **MASK**

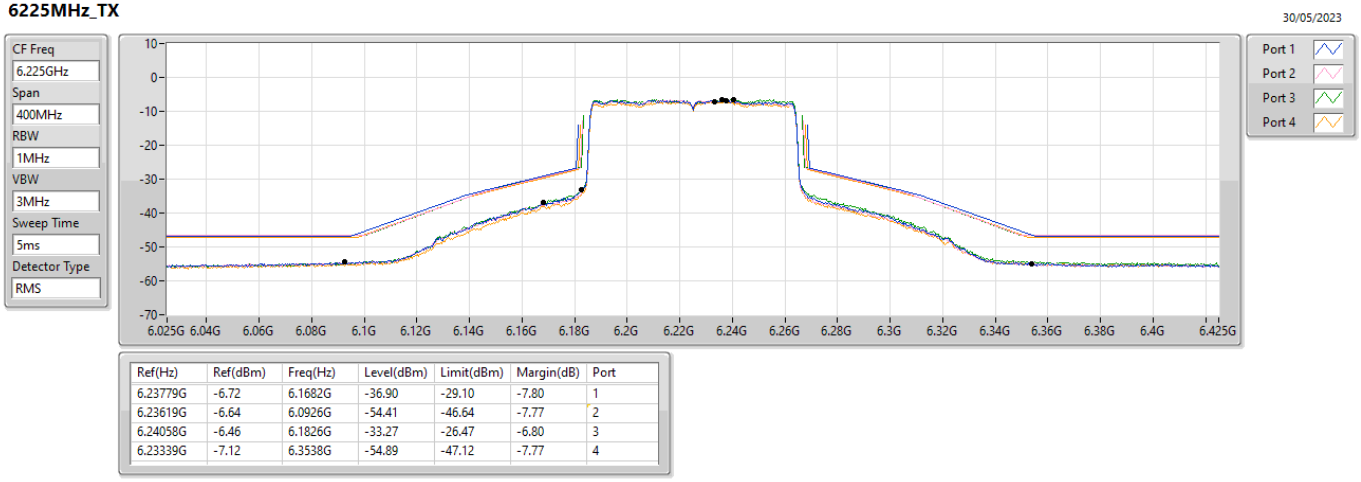
5985MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
5.96982G	-5.32	6.0478G	-36.00	-28.84	-7.16	1
5.99619G	-5.23	6.041G	-34.37	-27.25	-7.12	2
5.99699G	-5.30	6.0286G	-31.80	-25.35	-6.45	3
6.00018G	-5.58	6.0586G	-38.05	-31.40	-6.65	4

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **MASK**

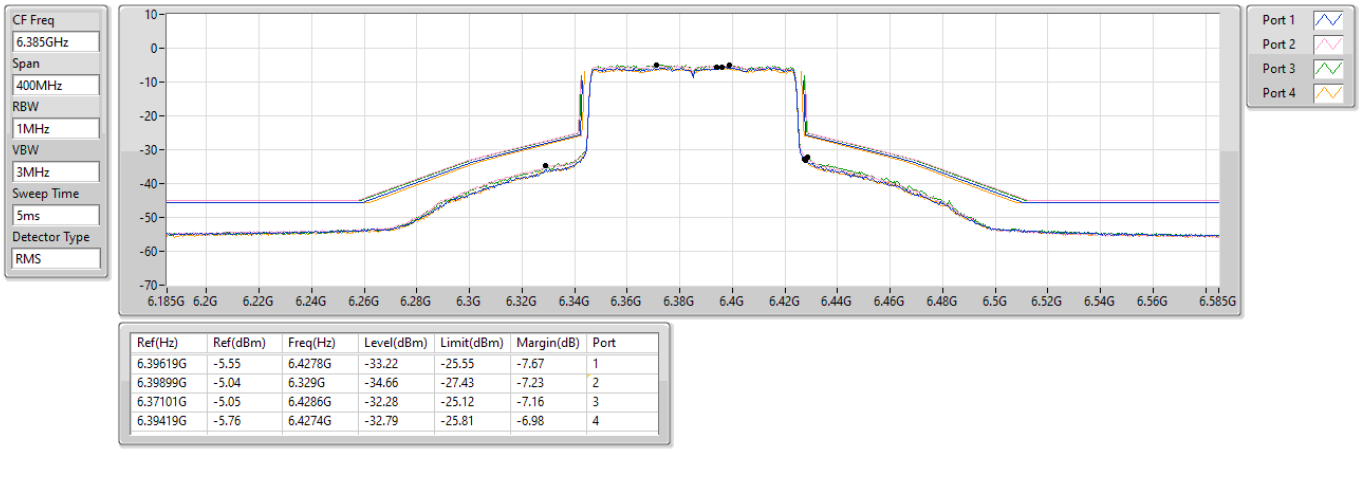
6225MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.23779G	-6.72	6.1682G	-36.90	-29.10	-7.80	1
6.23619G	-6.64	6.0926G	-54.41	-46.64	-7.77	2
6.24058G	-6.46	6.1826G	-33.27	-26.47	-6.80	3
6.23339G	-7.12	6.3538G	-54.89	-47.12	-7.77	4

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **MASK**

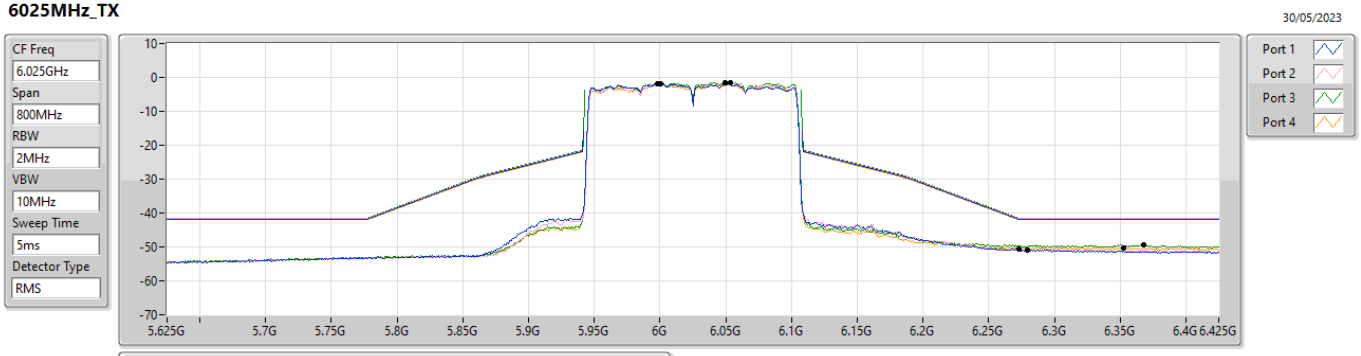
6385MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.39619G	-5.55	6.4278G	-33.22	-25.55	-7.67	1
6.39899G	-5.04	6.329G	-34.66	-27.43	-7.23	2
6.37101G	-5.05	6.4286G	-32.28	-25.12	-7.16	3
6.39419G	-5.76	6.4274G	-32.79	-25.81	-6.98	4

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX **MASK**

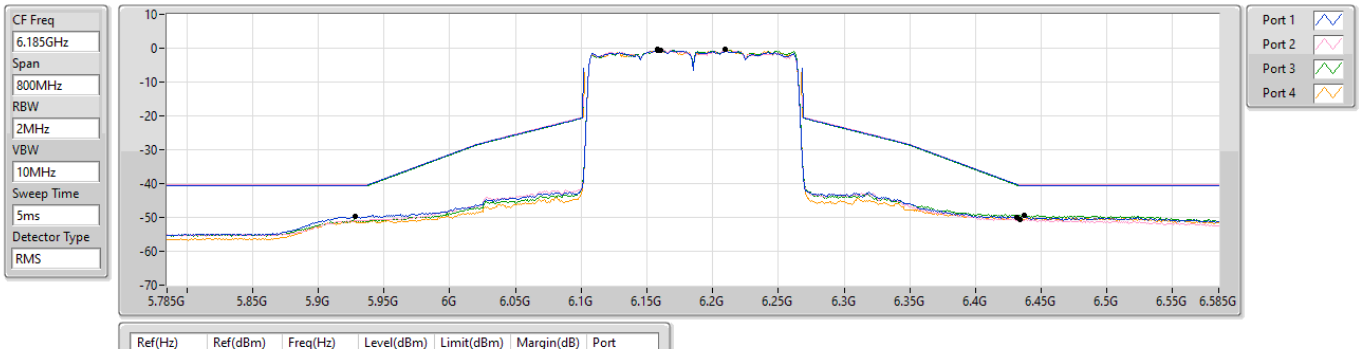
6025MHz_TX



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
5.99783G	-1.78	6.2794G	-50.90	-41.78	-9.12	1
6.05377G	-1.62	6.273G	-50.67	-41.62	-9.05	2
6.04978G	-1.41	6.3682G	-49.37	-41.41	-7.96	3
6.00022G	-1.97	6.353G	-50.25	-41.97	-8.28	4

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX **MASK**

6185MHz_TX

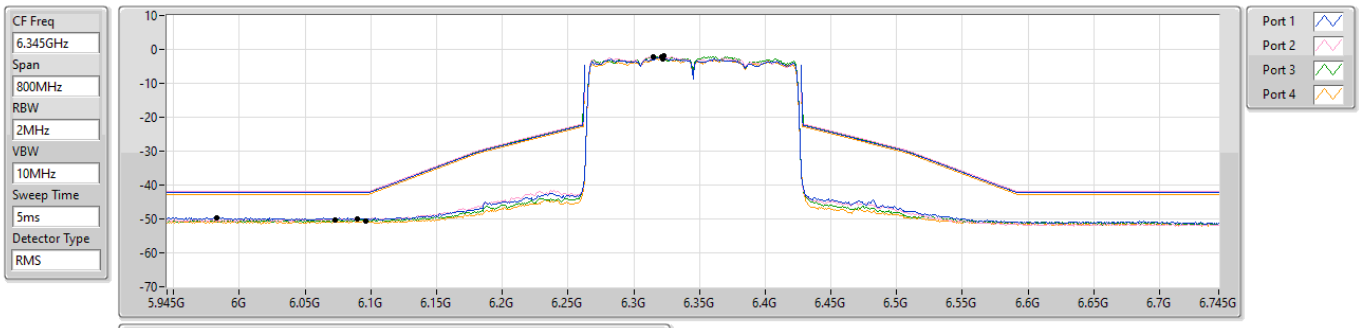


Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.1602G	-0.62	5.9282G	-49.81	-40.62	-9.19	1
6.1578G	-0.39	6.4338G	-50.48	-40.39	-10.09	2
6.1578G	-0.65	6.437G	-49.37	-40.65	-8.72	3
6.2098G	-0.33	6.4314G	-50.08	-40.33	-9.75	4

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX **MASK**

6345MHz_TX

30/05/2023



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.32102G	-2.32	5.9826G	-49.69	-42.32	-7.37	1
6.32262G	-1.88	6.0898G	-49.86	-41.88	-7.98	2
6.31463G	-2.08	6.073G	-50.20	-42.08	-8.12	3
6.32182G	-2.67	6.0962G	-50.69	-42.67	-8.02	4

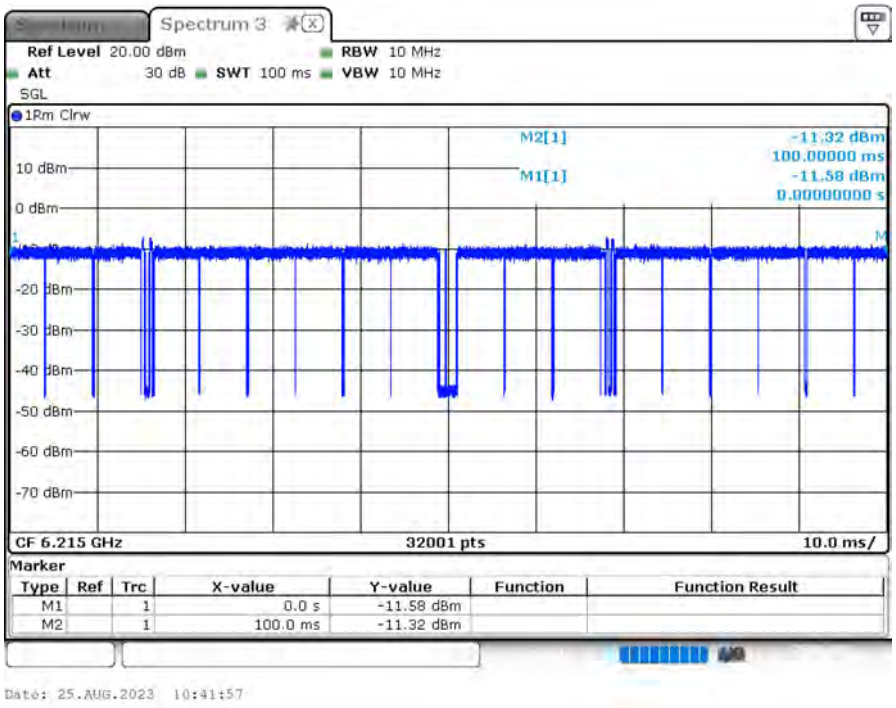
Contention Based Protocol Threshold Level 802.11ax HEW20										
UNII Band	**Channel**	**Bandwidth (MHz)**	**Frequency (MHz)**	**Interference frequency (MHz)**		**EUT Status**	**Injected AWGN Power (dBm)**	**Ant Gain (dBi)**	**Detection Power(dBm)**	**Detection Limit (dBm)**
5	**53**	**20**	**6215**	Center	6215	OFF	-73.13	6.87	-80.05	≤ -62
						Minimal	-74.13	6.87	-81.00	≤ -62
						ON	-75.13	6.87	-82.00	≤ -62

Contention Based Protocol Threshold Level 802.11ax HEW160										
UNII Band	**Channel**	**Bandwidth (MHz)**	**Frequency (MHz)**	**Interference frequency (MHz)**		**EUT Status**	**Injected AWGN Power (dBm)**	**Ant Gain (dBi)**	**Detection Power(dBm)**	**Detection Limit (dBm)**
5	**47**	**160**	**6185**	Low edge	6110	OFF	-72.13	6.87	-79.04	≤ -62
						Minimal	-73.13	6.87	-80.00	≤ -62
						ON	-75.13	6.87	-82.00	≤ -62
				Center	6185	OFF	-72.13	6.87	-79.05	≤ -62
						Minimal	-73.13	6.87	-80.00	≤ -62
						ON	-75.13	6.87	-82.00	≤ -62
				High edge	6260	OFF	-73.13	6.87	-80.07	≤ -62
						Minimal	-74.13	6.87	-81.00	≤ -62
						ON	-75.13	6.87	-82.00	≤ -62

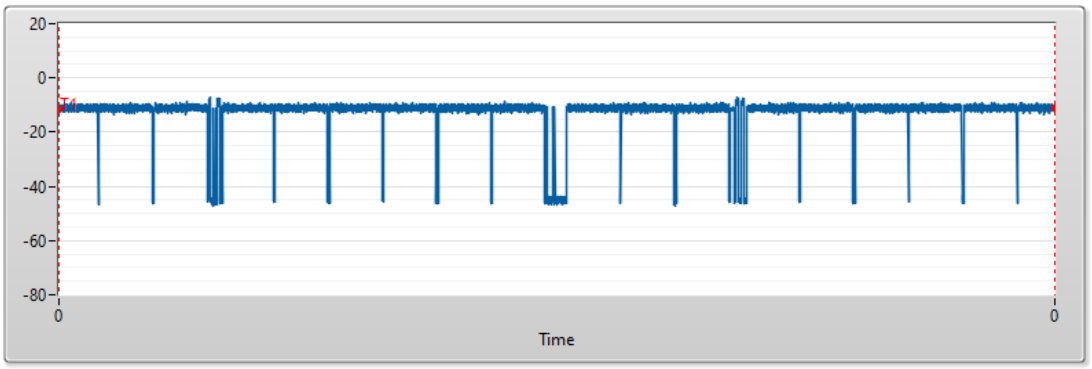
Contention Based protocol 802.11ax HEW20											
UNII Band	**Channel**	**Bandwidth (MHz)**	**Frequency (MHz)**	**Interference frequency (MHz)**		**AWGN Threshold Level (dBm)**	**EUT Status**	**Number of Detected (out of 10 times)**	**Detection Probability (%)**	**Limit (%)**	**Test Result**
5	**53**	**20**	**6215**	Center	6215	-80.05	OFF	10	100	90	**PASS**

Contention Based protocol 802.11ax HEW160											
UNII Band	**Channel**	**Bandwidth (MHz)**	**Frequency (MHz)**	**Interference frequency (MHz)**		**AWGN Threshold Level (dBm)**	**EUT Status**	**Number of Detected (out of 10 times)**	**Detection Probability (%)**	**Limit (%)**	**Test Result**
5	**47**	**160**	**6185**	Low edge	6110	-79.04	OFF	10	100	90	**PASS**
				Center	6185	-79.05	OFF	9	90	90	**PASS**
				High edge	6260	-80.07	OFF	9	90	90	**PASS**

Bandwidth: 20MHz
Traffic Loading Plot

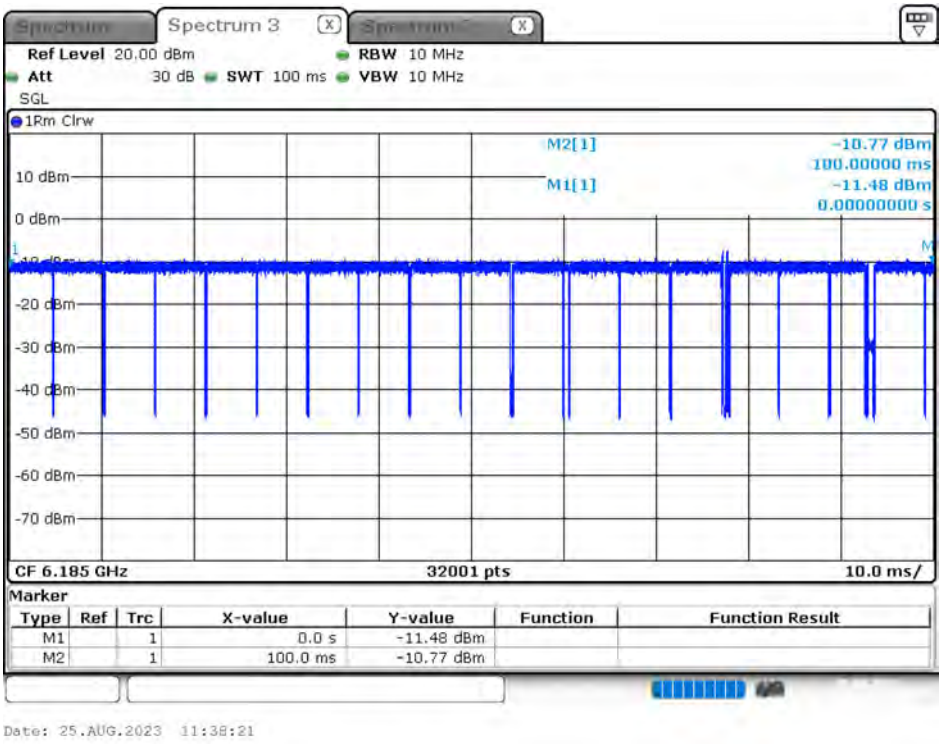


Traffic Loading Calculation

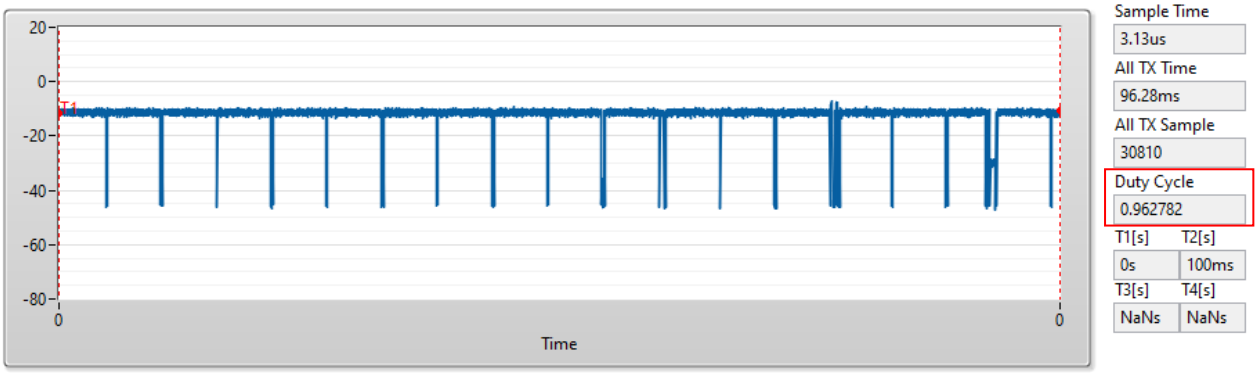


Bandwidth: 160MHz

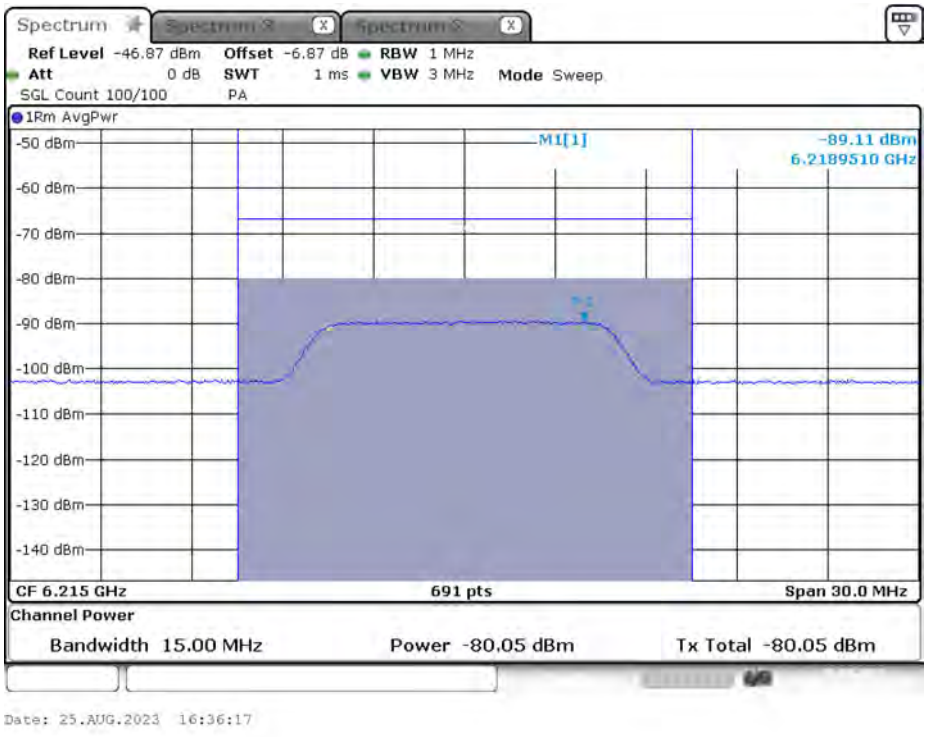
Traffic Loading Plot

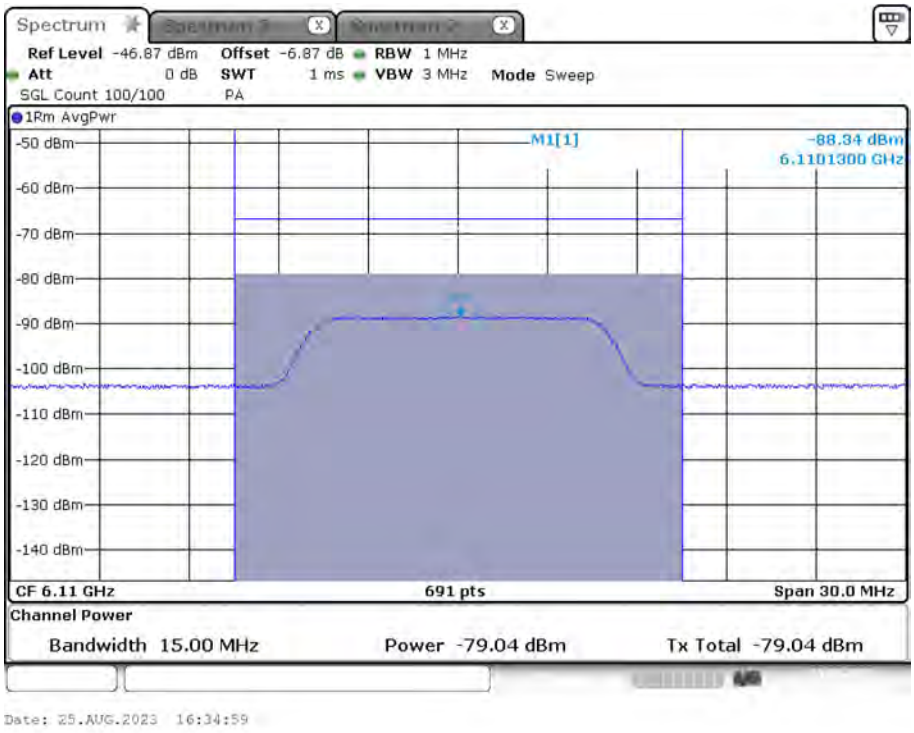
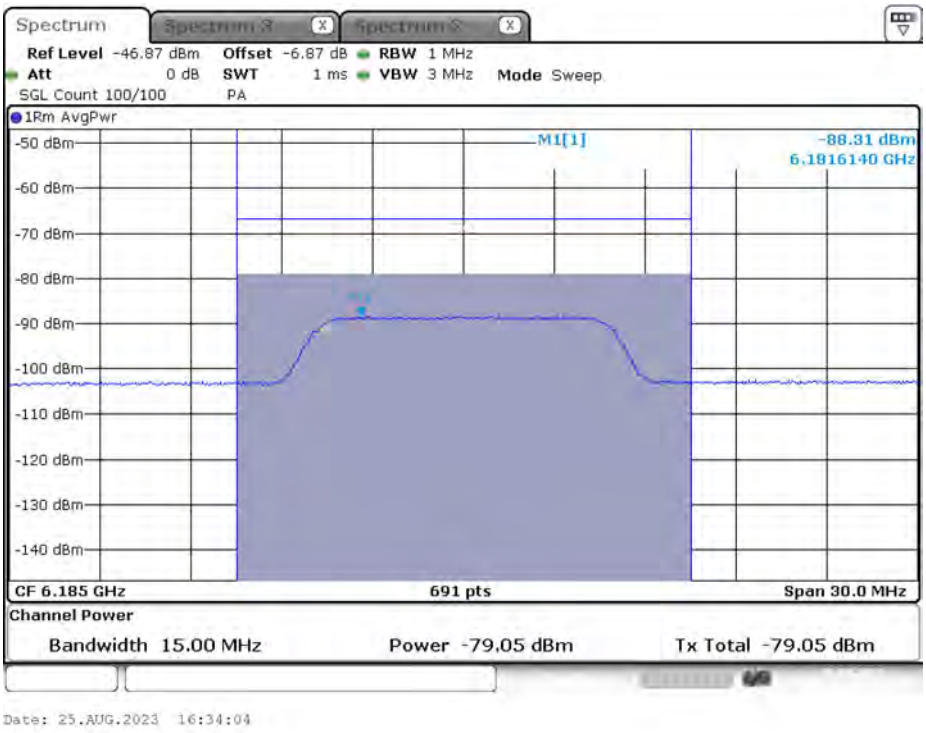


Traffic Loading Calculation

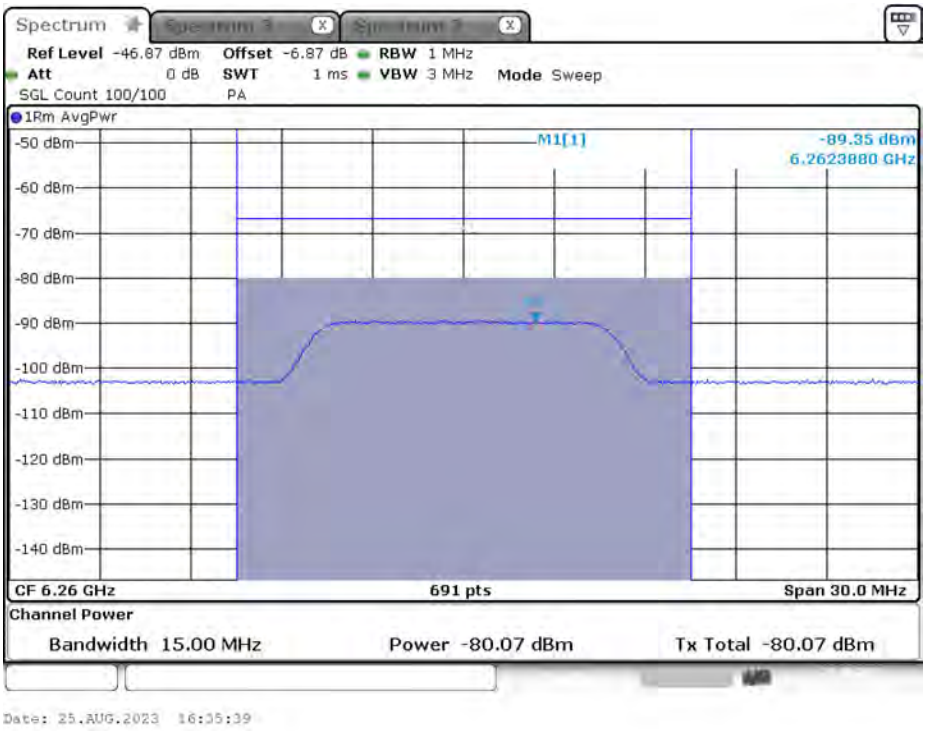


Incumbent signal (AWGN) Plot
Bandwidth: 20MHz
Frequency (MHz): 6215 MHz

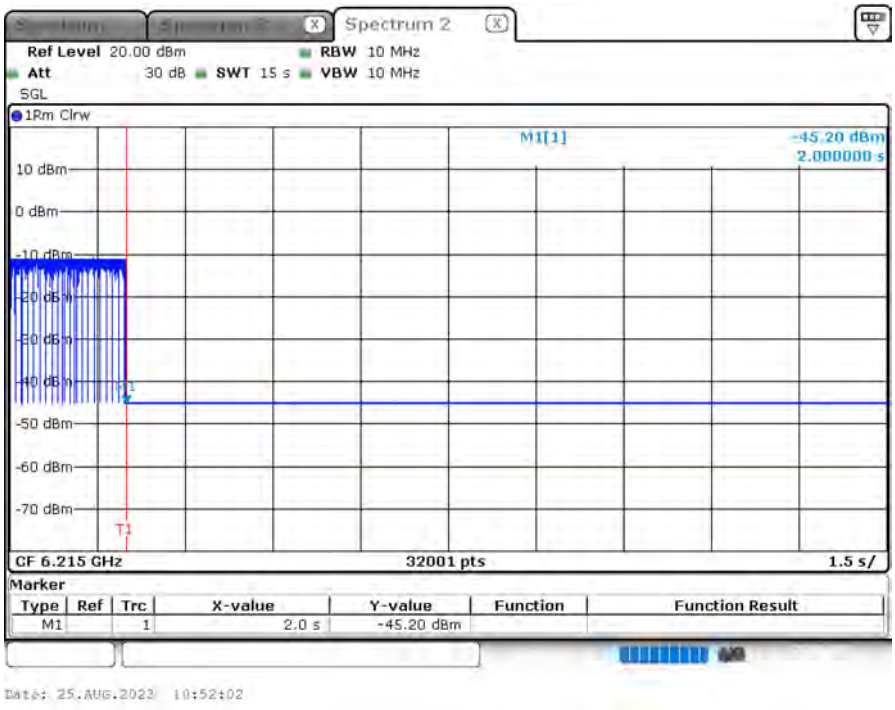


Bandwidth: 160MHz
Frequency (MHz): 6110 MHz

Frequency (MHz): 6185 MHz


Frequency (MHz): 6260 MHz



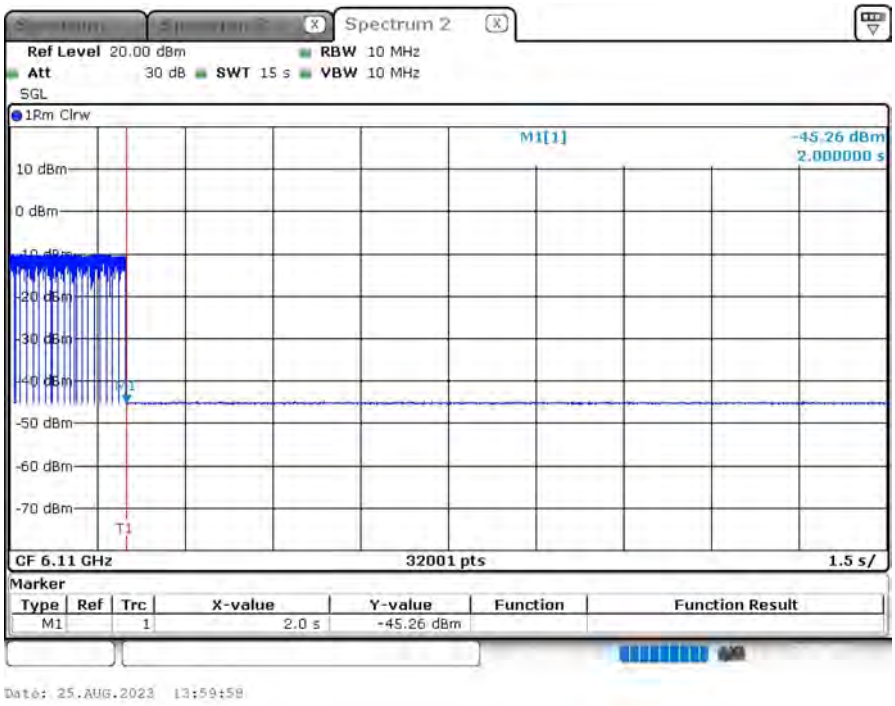
Contention-Based Protocol Plot
Bandwidth: 20MHz
Test CH 53 ; Incumbent signal 6215 MHz



Note : M1 : Inject AWGN signal

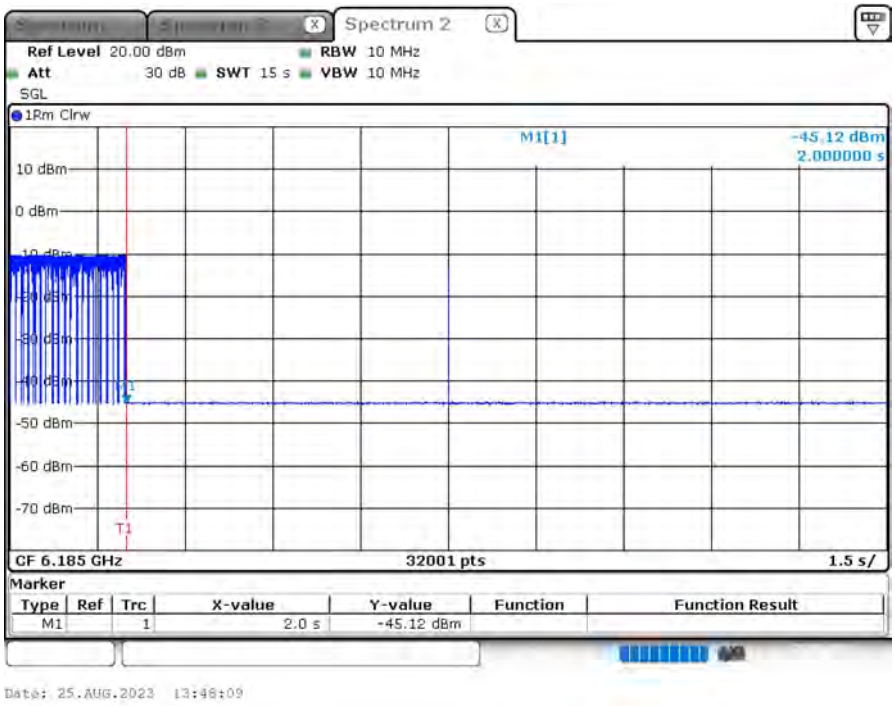
Bandwidth: 160MHz

Test CH 47 ; Incumbent signal 6110 MHz



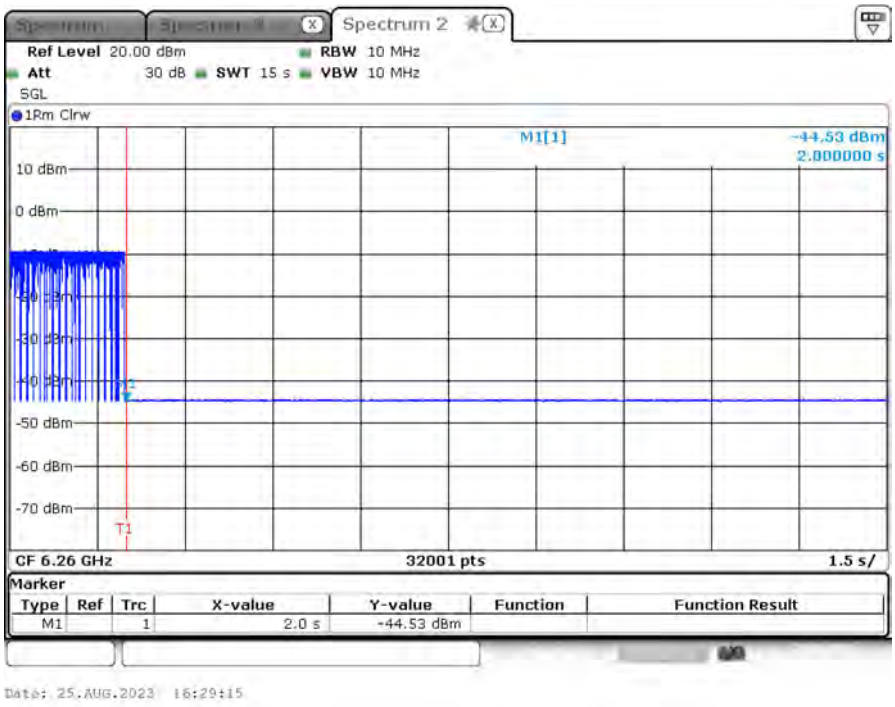
Note : M1 : Inject AWGN signal

Test CH 47 ; Incumbent signal 6185 MHz



Note : M1 : Inject AWGN signal

Test CH 47 ; Incumbent signal 6260 MHz

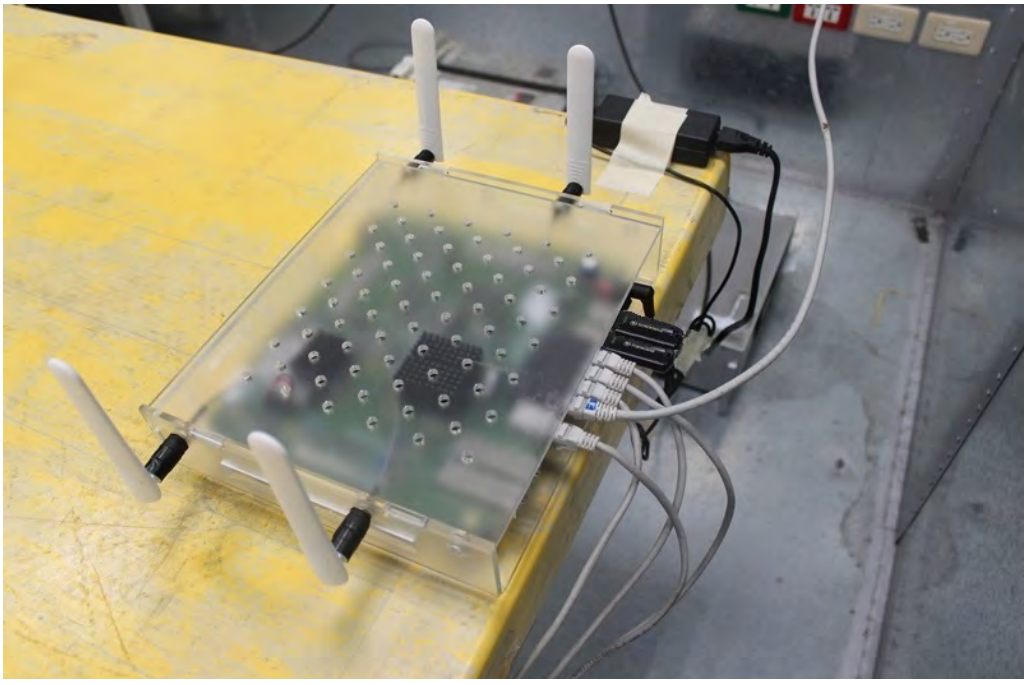


Note : M1 : Inject AWGN signal

1. Photographs of Conducted Emissions Test Configuration

FRONT VIEW

REAR VIEW

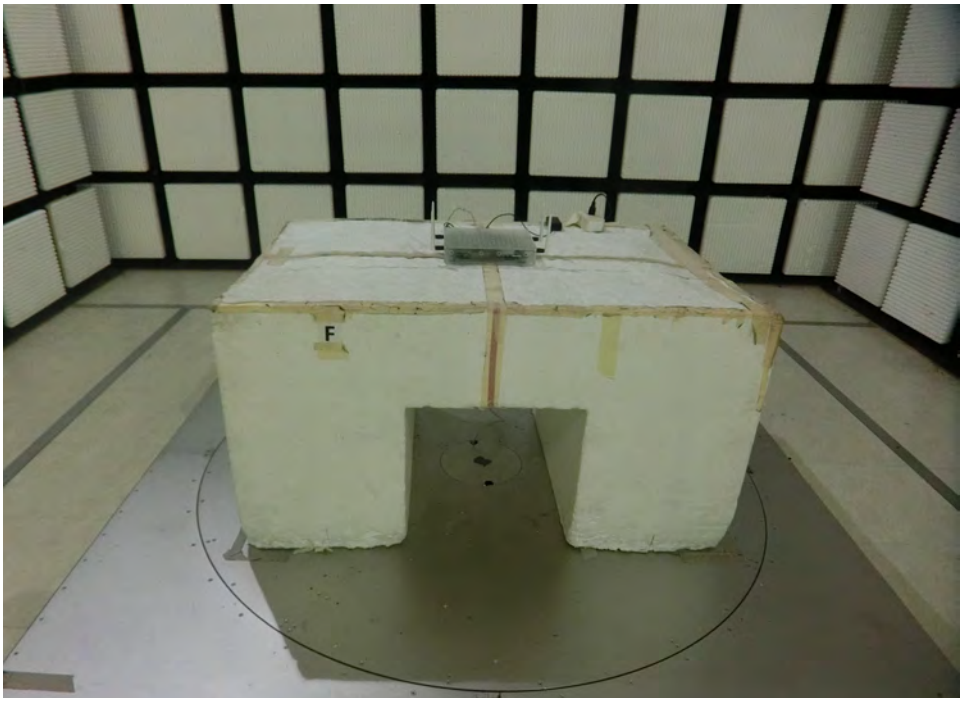


2. Photographs of Radiated Emissions Test Configuration

Test Configuration: 30MHz~1GHz

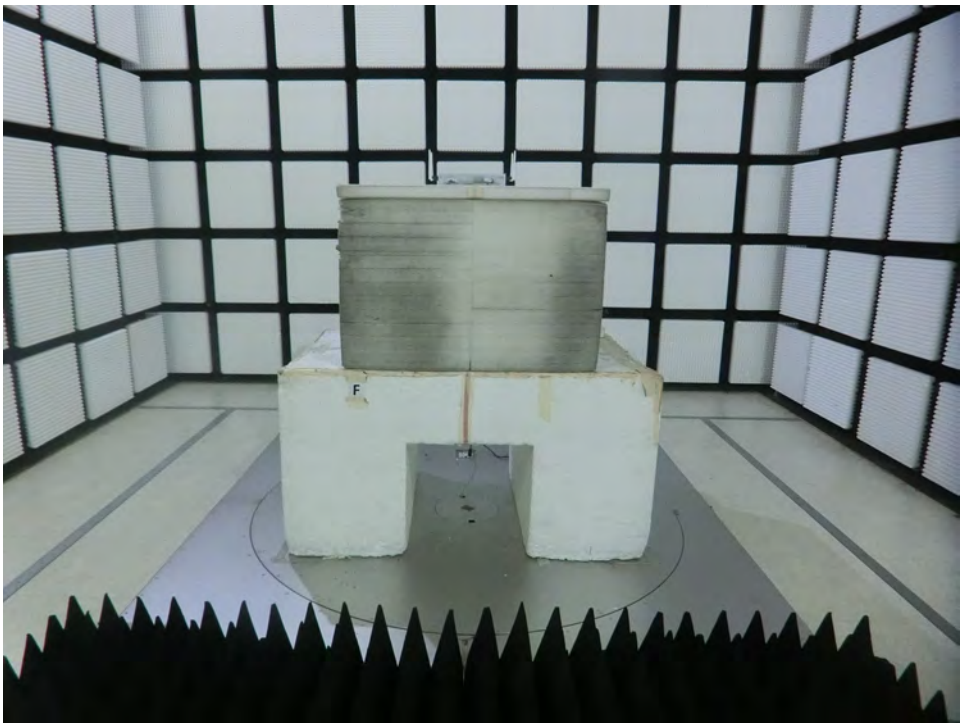
FRONT VIEW

REAR VIEW

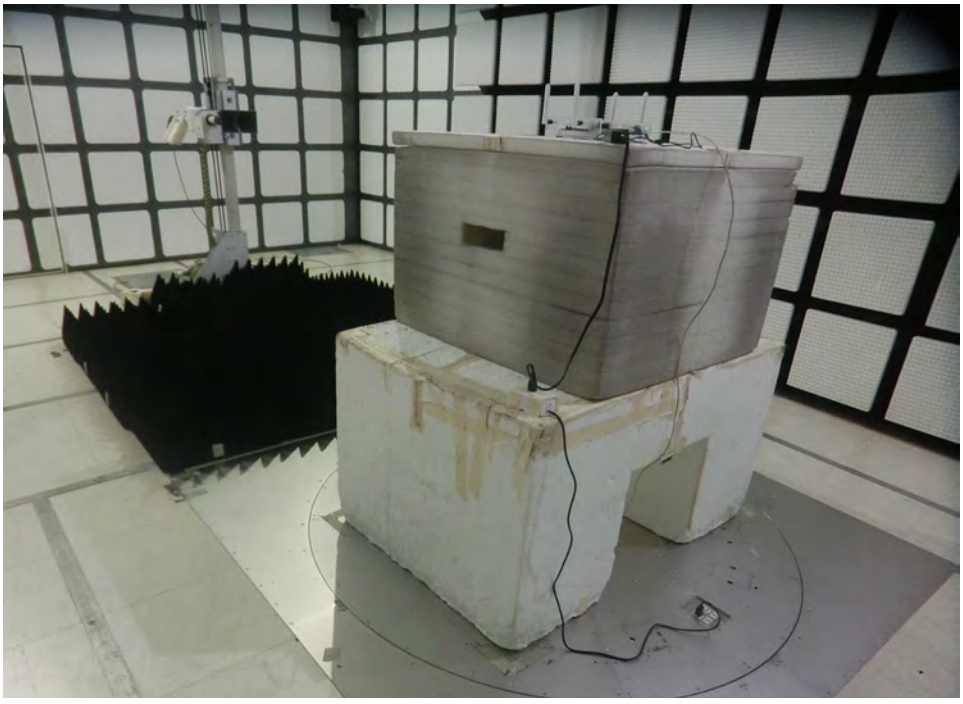


Test Configuration: Above 1GHz

FRONT VIEW



REAR VIEW



———THE END———