

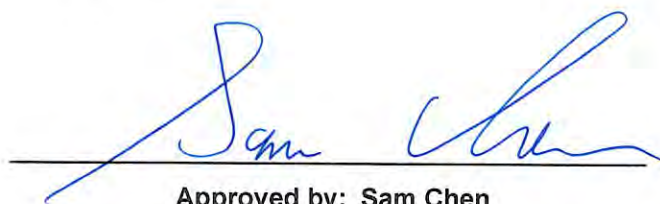


RADIO TEST REPORT

FCC ID : Z8H89FT0069
Equipment : ePMP 6 GHz Force 4600C SM / ePMP 4600L 6 GHz 2x2 Access Point
Brand Name : Cambium Networks
Model Name : ePMP 6 GHz Force 4600C SM / ePMP 4600L 6 GHz 2x2 Access Point
Model Number : C068940P151A
Applicant : Cambium Networks Inc.
3800 Golf Road, Suite 360 Rolling Meadows, IL 60008, USA
Manufacturer : Cambium Networks, Ltd.
Ashburton, TQ13 7UP, UK
Standard : 47 CFR FCC Part 15.407

The product was received on Nov. 22, 2021, and testing was started from Dec. 09, 2021 and completed on May 14, 2024. 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 variant 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
FR140145-01AB	01	Initial issue of report	Jan. 23, 2024
FR140145-01AB	02	1. Revise Dish antenna gain in UNII5&7. 2. For Dish antenna: Revise the test measurement method of Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) to "Conducted" from "Radiated" and its data has been replaced. 3. For Dish antenna: Revise the test measurement method of Peak Power Spectral Density (E.I.R.P.) to "Conducted" from "Radiated" and its data has been replaced.	May 22, 2024



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 Isotropically 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	-
-	15.407(d)	Contention-Based Protocol	N/A	Standard Power AP w/o test

Note: Reference to Sporton Project No.: 140145-06.

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/manufacture 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: Sophia Shiung



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5925-6425	ax (HEW20)	5955-6415	1-93 [24]
6525-6875		6535-6855	117-181 [17]
5925-6425	ax (HEW40)	5965-6405	3-91 [12]
6525-6875		6565-6845	123-179 [8]
5925-6425	ax (HEW80)	5985-6385	7-87 [6]
6525-6875		6625-6785	135-167 [3]
5925-6425	ax (HEW160)	6025-6345	15-79 [3]
6525-6875		6665	143 [1]

Band	Mode	BWch (MHz)	Nant
5.925-6.425GHz	802.11ax HEW20	20	2TX
5.925-6.425GHz	802.11ax HEW40	40	2TX
5.925-6.425GHz	802.11ax HEW80	80	2TX
5.925-6.425GHz	802.11ax HEW160	160	2TX
6.525-6.875GHz	802.11ax HEW20	20	2TX
6.525-6.875GHz	802.11ax HEW40	40	2TX
6.525-6.875GHz	802.11ax HEW80	80	2TX
6.525-6.875GHz	802.11ax HEW160	160	2TX

Note:

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

1.1.2 Antenna Information

For Dish Antenna:

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	
						UNII3	UNII5&7
1	1	Cambium	ePMP 6GHz 2x2 Dish Antenna	Dish (Directional Ant.)	RP-SMA	25.21	28.7
	2	Cambium	ePMP 6GHz 2x2 Dish Antenna	Dish (Directional Ant.)	RP-SMA	25.21	28.7

Note 1: The Dish antenna is cross polarization.

For Sector Antenna:

Ant.	Ant. CH	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	
							UNII3&5	UNII7
1	0	-	Cambium	ePMP 2x2 6GHz MU-MIMO Sector Antenna	Sector (Directional Ant.)	RP-SMA	18	18.73
	1	1	Cambium	ePMP 2x2 6GHz MU-MIMO Sector Antenna	Sector (Directional Ant.)	RP-SMA	18	18.73
	2	2	Cambium	ePMP 2x2 6GHz MU-MIMO Sector Antenna	Sector (Directional Ant.)	RP-SMA	18	18.73
	3	-	Cambium	ePMP 2x2 6GHz MU-MIMO Sector Antenna	Sector (Directional Ant.)	RP-SMA	18	18.73

Note 2: The Sector antenna has four CH ports. Only two CH ports (CH1 and CH2) were used for the EUT. The Sector antenna is cross polarization: CH 1 is vertical and CH 2 is horizontal.

Note 3: The above information was declared by manufacturer.

Note 4: Directional gain information for Dish antenna

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

Ex.

Directional Gain (NSS1) formula :

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

$$NSS1(g_{1,1}) = 10^{G_{1,1}/20} ; NSS1(g_{1,2}) = 10^{G_{2,2}/20} ; NSS1(g_{1,3}) = 10^{G_{3,3}/20} ; NSS1(g_{1,4}) = 10^{G_{4,4}/20}$$

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

$$DG = 10 \log[(NSS1(g_{1,1}) + NSS1(g_{1,2}) + NSS1(g_{1,3}) + NSS1(g_{1,4}))^2 / N_{ANT}] \Rightarrow 10$$

$$\log[(10^{G_{1,1}/20} + 10^{G_{2,2}/20} + 10^{G_{3,3}/20} + 10^{G_{4,4}/20})^2 / N_{ANT}]$$

Where;



Dish ANT
Cross-Polarized Antenna
6G UNII-5 G1= 28.70 dBi ; G2= 28.70 dBi ;DG= 28.70 dBi
6G UNII-7 G1= 28.70 dBi ; G2= 28.70 dBi ;DG= 28.70 dBi

Note 5: For 5GHz function**For IEEE 802.11a/n/ac/ax (2TX/2RX):**

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 6GHz function**For IEEE 802.11ax (2TX/2RX):**

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

Port 1 and Port 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle**For Dish Antenna:**

Mode	DC	DCF (dB)	T (s)	VBW (Hz) $\geq 1/T$
802.11ax HEW20	0.82	0.86	5.456m	300
802.11ax HEW40	0.861	0.65	5.456m	300
802.11ax HEW80	0.869	0.61	5.456m	300
802.11ax HEW160	0.854	0.69	5.456m	300

For Sector Antenna:

Mode	DC	DCF (dB)	T (s)	VBW (Hz) $\geq 1/T$
802.11ax HEW20	0.866	0.62	5.458m	300
802.11ax HEW40	0.838	0.77	5.458m	300
802.11ax HEW80	0.853	0.69	5.46m	300
802.11ax HEW160	0.865	0.63	5.46m	300

Note:

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

**1.1.4 EUT Operational Condition**

EUT Power Type	From PoE			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Device Type	☐	Indoor Access Point	☐	Subordinate
	☐	Indoor Client	☒	Standard Power Access Point
	☐	Dual Client	☒	Standard Client
	☒	Fixed Client		
Channel Puncturing Function	☐	Supported	☒	Unsupported
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	For Dish antenna: QRCT (4.0.00182.0) For Sector antenna: QRCT V4.0.00192.0			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

Equipment Name / Model Name	Function	Support
ePMP 6 GHz Force 4600C SM	Client	WLAN 5GHz UNII 3 / 6GHz UNII 5&7
ePMP 4600L 6 GHz 2x2 Access Point	AP	

Note 1: From the above models, model: ePMP 4600L 6 GHz 2x2 Access Point was selected as representative model for the test, and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

1.1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: 140145-02

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
1. Add 6GHz for Standard Power (6SD), Fixed Client (6FC) and Standard Client (6FX) through SW change. 2. Add a new directional Sector Antenna for the EUT with the same antenna type but lower gain than the original. (Refer to section 1.1.2 for detailed information.)	All test items (For Standard Power Access Point mode only.)



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 662911 D01 v02r01
- ♦ FCC KDB 987594 D02 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 ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)					
(TAF: 3787) 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	Remark
RF Conducted (For others)	TH01-CB	Kevin Huang	24.5-25.1 / 65-67	Oct. 17, 2023	For Dish Ant.
	TH03-CB	Ken Yeh	24.3-24.6 / 66-69	Nov. 27, 2023	For Sector Ant.
RF Conducted (E.I.R.P. Power / PSD)	TH01-CB	Kevin Huang	24.5-25.1 / 65-67	May 14, 2024	For Dish Ant.
RF Radiated (E.I.R.P. Power for others / PSD)	03CH02-CB	Jackson Peng	22-23 / 55-58	Nov. 22, 2023~ Nov. 25, 2023	For Sector Ant.
Radiated < 1GHz	03CH05-CB	Black Lu	22.5-23.6 / 56-57	Oct. 19, 2023~ Oct. 20, 2023	For Dish Ant.
	10CH01-CB	Tim Chen	23-24 / 60-62	Nov. 30, 2023~ Dec. 26, 2023	For Sector Ant.
Radiated > 1GHz (Unwanted Emissions)	03CH02-CB	Black Lu	22-23 / 56-59	Oct. 12, 2023~ Oct. 18, 2023	For Dish Ant.
	03CH05-CB		22.7-23.8 / 56-59		
	03CH02-CB	Jackson Peng	22-23 / 55-58	Nov. 22, 2023~ Nov. 25, 2023	For Sector Ant.
AC Conduction	CO01-CB	Peter Wu	21-23 / 55-57	Dec. 09, 2021	For Dish Ant.
	CO01-CB	Ryan Huang	21-22 / 60-61	Nov. 30, 2023~ Dec. 26, 2023	For Sector Ant.

Note 1: The tested sample with Dish antenna for WLAN 6GHz (AC Power-line Conducted Emissions) was received on Nov. 22, 2021.

Note 2: The tested sample with Dish antenna for WLAN 6GHz (except for AC Power-line Conducted Emissions) was received on Jul. 06, 2022.

Note 3: The tested sample with Sector antenna was received on Nov. 15, 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))

For other test sites

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%
Bandwidth Measurement	2.2%	Confidence levels of 95%

Test Site No.: 10CH01-CB

Test Items	Uncertainty	Remark
Radiated Emission (9kHz ~ 30MHz)	5.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.0 dB	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

For Dish Antenna:

Mode
802.11ax HEW20_Nss1,(MCS0)_2TX
5955MHz
6195MHz
6415MHz
6535MHz
6695MHz
6855MHz
802.11ax HEW40_Nss1,(MCS0)_2TX
5965MHz
6205MHz
6405MHz
6565MHz
6685MHz
6845MHz
802.11ax HEW80_Nss1,(MCS0)_2TX
5985MHz
6225MHz
6385MHz
6625MHz
6705MHz
6785MHz
802.11ax HEW160_Nss1,(MCS0)_2TX
6025MHz
6185MHz
6345MHz
6665MHz

For Sector Antenna:

Mode
802.11ax HEW20_Nss1,(MCS0)_2TX
5955MHz
6195MHz
6415MHz
6535MHz
6695MHz
6855MHz
802.11ax HEW40_Nss1,(MCS0)_2TX
5965MHz
6205MHz



Mode
6405MHz
6565MHz
6685MHz
6845MHz
802.11ax HEW80_Nss1,(MCS0)_2TX
5985MHz
6225MHz
6385MHz
6625MHz
6705MHz
6785MHz
802.11ax HEW160_Nss1,(MCS0)_2TX
6025MHz
6185MHz
6345MHz
6665MHz

Note: This test report tested Standard Power Access Point mode only. The power settings of fixed client mode are the same as Standard Power Access Point mode.

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	Normal Link
1	EUT + PoE + Dish antenna_WLAN 6GHz
2	EUT + PoE + Sector antenna_WLAN 6GHz
3	EUT + PoE + Sector antenna_WLAN 5GHz
Mode 2 generated the worst test result, so it was recorded in this report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) Peak Power Spectral Density (E.I.R.P.) Emission MASK
Test Condition	Conducted measurement at transmit chains
Test Mode	
1	EUT + Dish antenna



The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) for Phi 30° Emission MASK
Test Condition	Conducted measurement at transmit chains
Test Mode	
1	EUT + Sector antenna

The Worst Case Mode for Following Conformance Tests	
Tests Item	Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) for others Peak Power Spectral Density (E.I.R.P.)
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Test Mode	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Y axis + Sector antenna

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	Normal Link
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Y axis + PoE + Dish antenna_WLAN 6GHz
2	EUT in Y axis + PoE + Sector antenna_WLAN 6GHz
3	EUT in Y axis + PoE + Sector antenna_WLAN 5GHz
Mode 1 generated the worst test result, so it was recorded in this report.	
Operating Mode > 1GHz	CTX
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Y axis + Dish antenna
2	EUT in Y axis + Sector antenna



Note: The PoE was for measurement only and would not be marketed. Its information is shown as below:

Equipment	Brand Name	Model Name	FCC ID
PoE	Cambium Networks	NET-P30-56IN	N/A

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

N/A

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE	Cambium Networks	NET-P30-56IN	N/A
B	ETH NB	DELL	E6430	N/A
C	SFP PC	ASUS	S300TA	TX2-RTL8821CE
D	GPS Simulator	WELNAVIGATE	GS-100	N/A
E	Device	Cambium Networks	Force 4600C	Z8H89FT0069
F	Device NB	DELL	E6430	N/A
G	GPS ANT	Unictron	H2M3A023C20100	N/A

For Radiated < 1GHz:

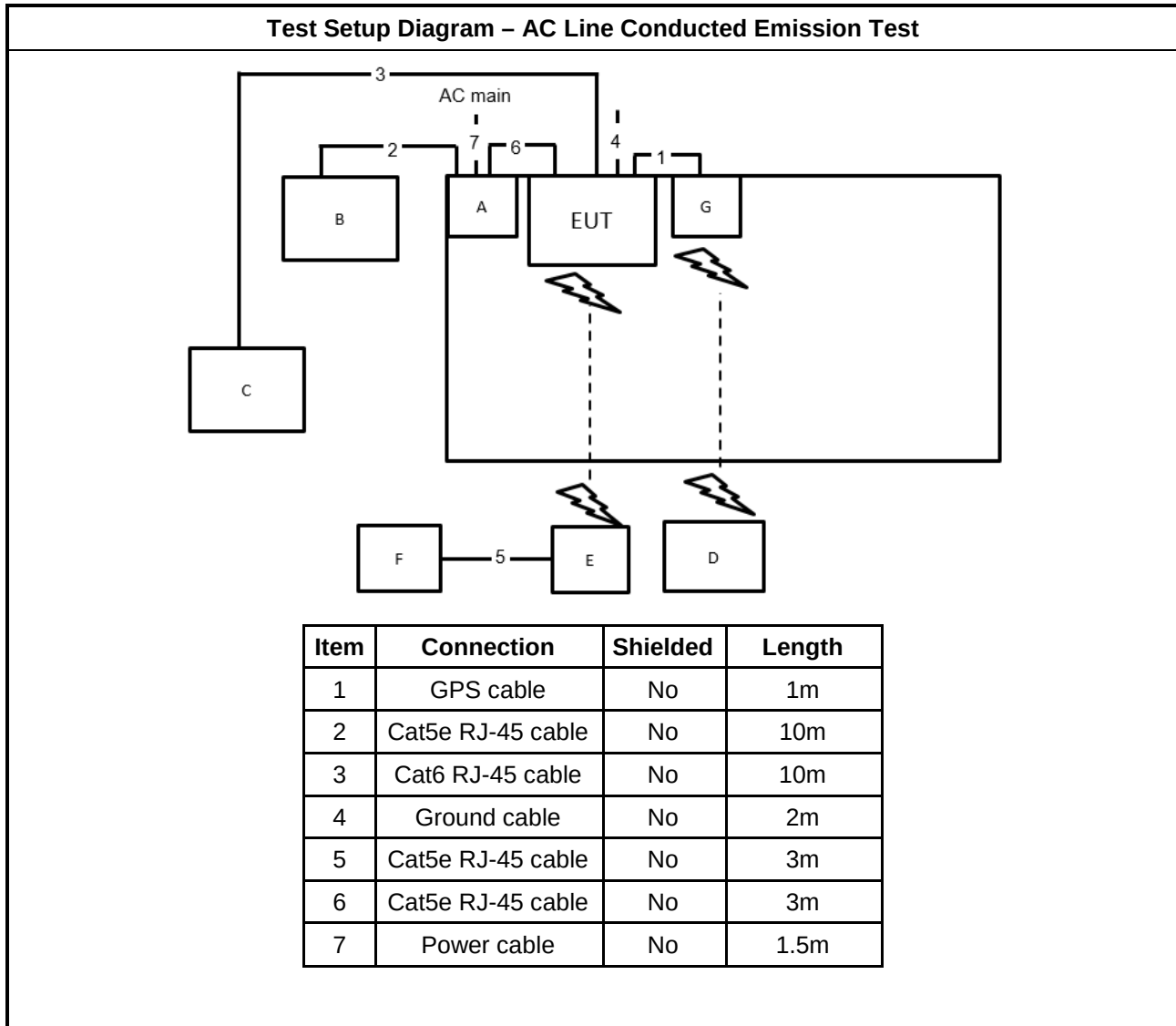
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE	Cambium Networks	NET-P30-56IN	N/A
B	Eth/Reset NB	DELL	E4300	N/A
C	Device NB	DELL	E4300	N/A
D	SFP NB	HP	SGH8190LP1	N/A
E	GPS Simulator	WELNAVIGATE	GS-100	N/A
F	Device	Cambium Networks	Force 4600C	Z8H89FT0069

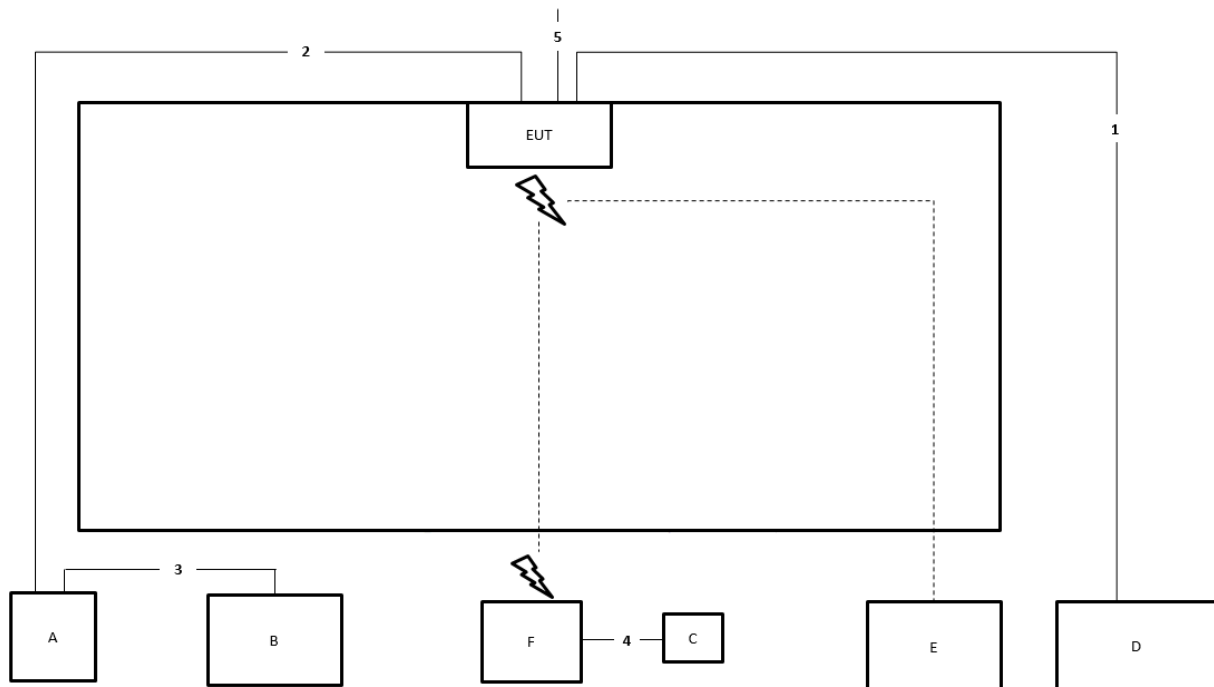


For Radiated > 1GHz (Unwanted Emissions / E.I.R.P. Power for others / PSD) and RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	PoE	Cambium Networks	NET-P30-56IN	N/A

2.6 Test Setup Diagram

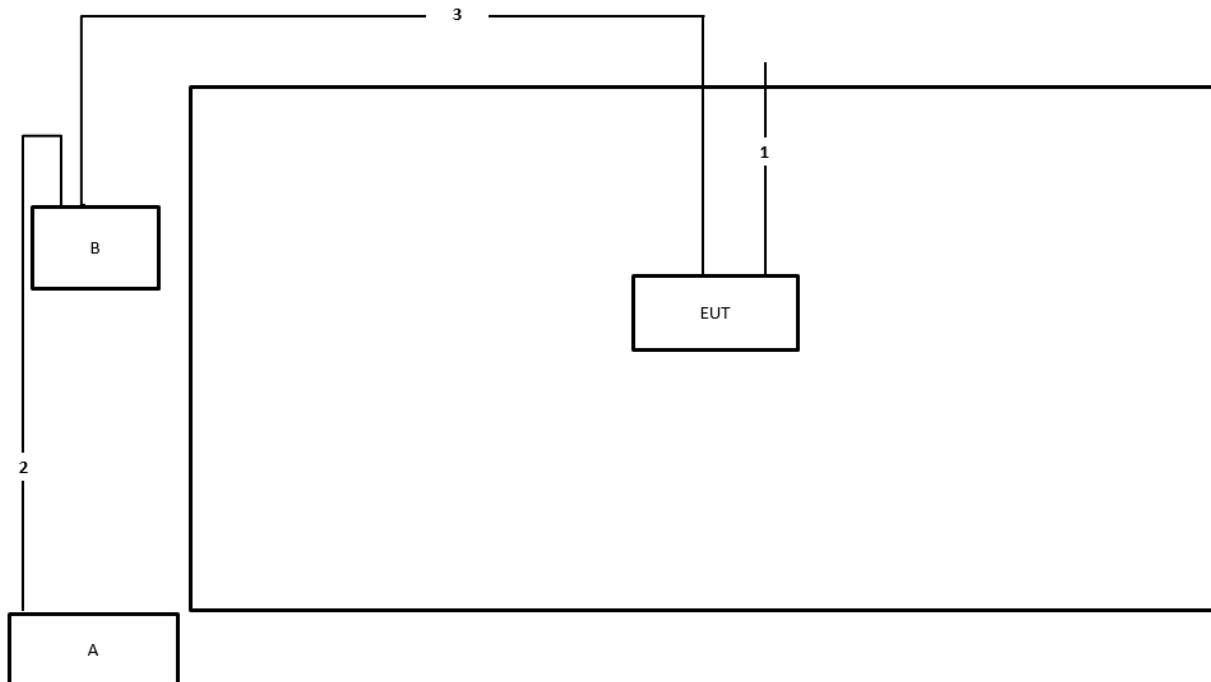


Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.5m
4	RJ-45 cable	No	10m
5	Ground cable	No	1.5m

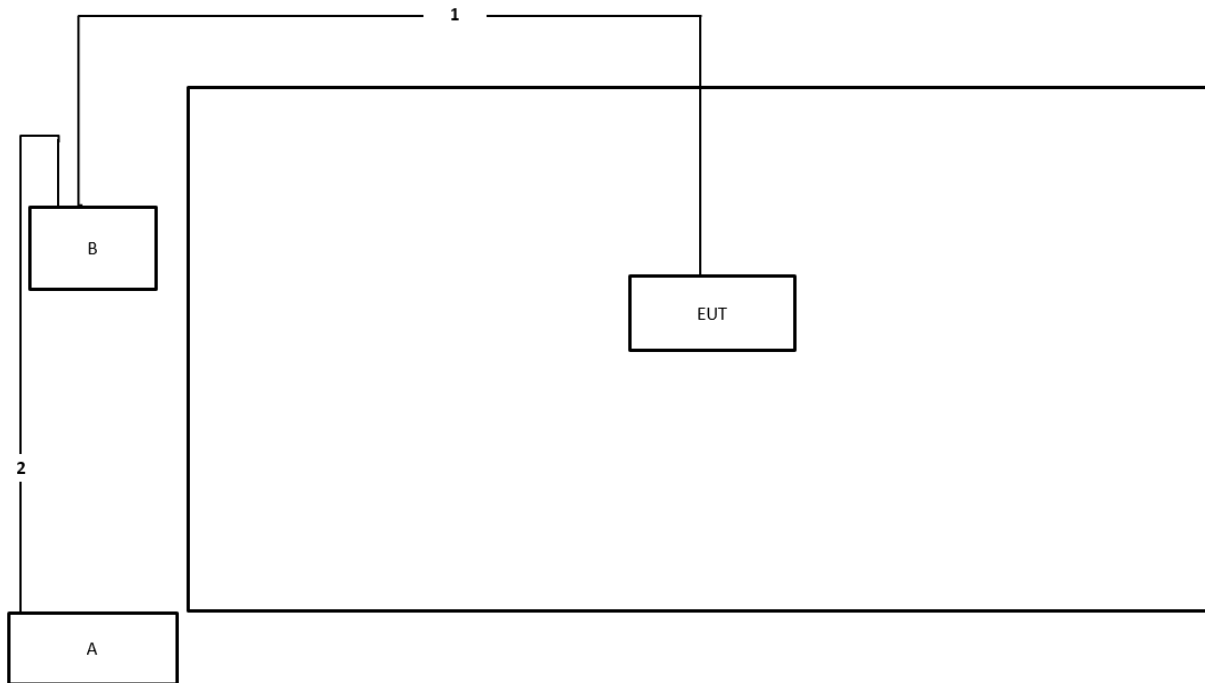


Test Setup Diagram - Radiated Test > 1GHz
Test mode: Mode 1



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

Test Setup Diagram - Radiated Test > 1GHz
Test mode: Mode 2



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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

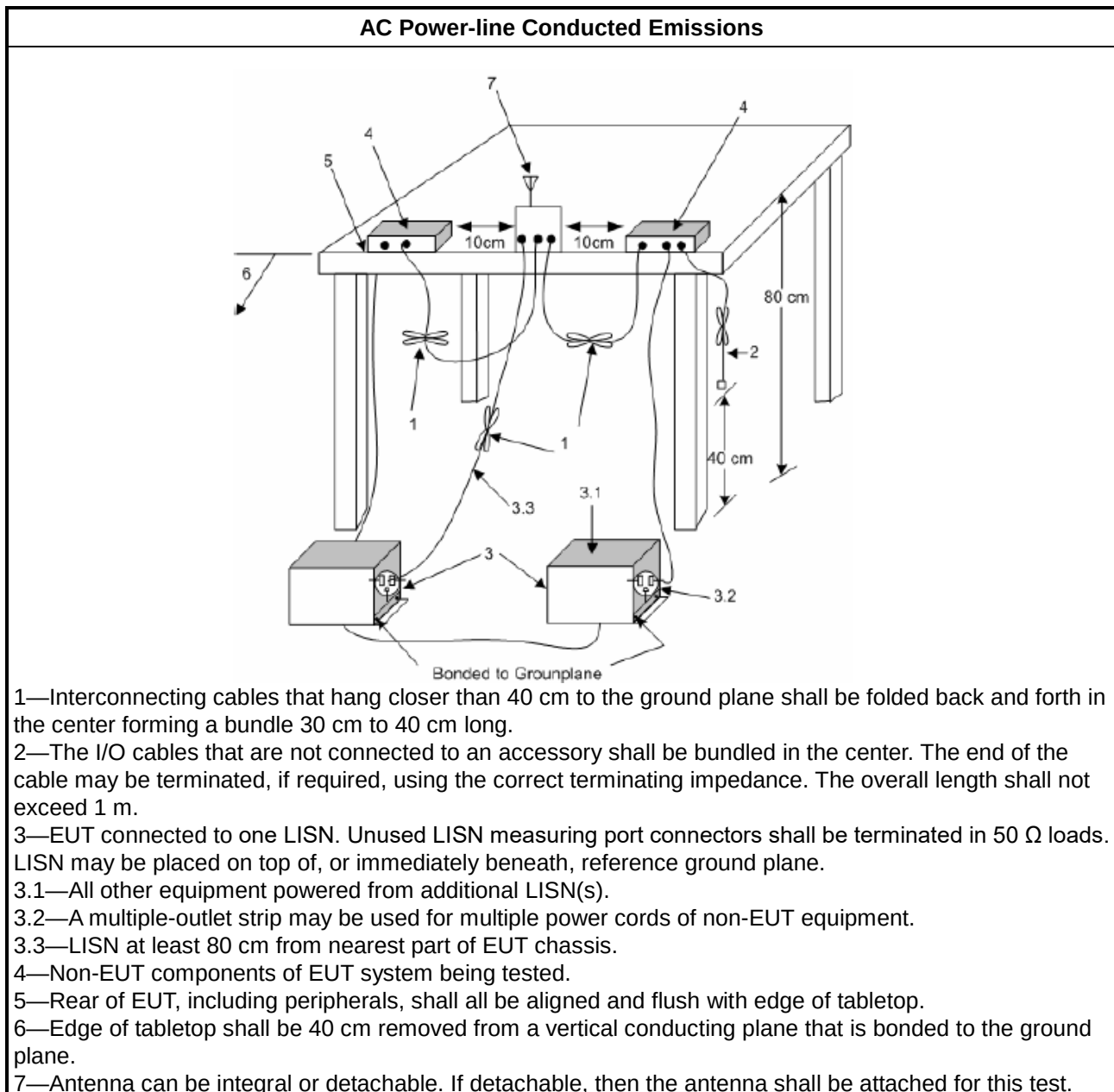
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

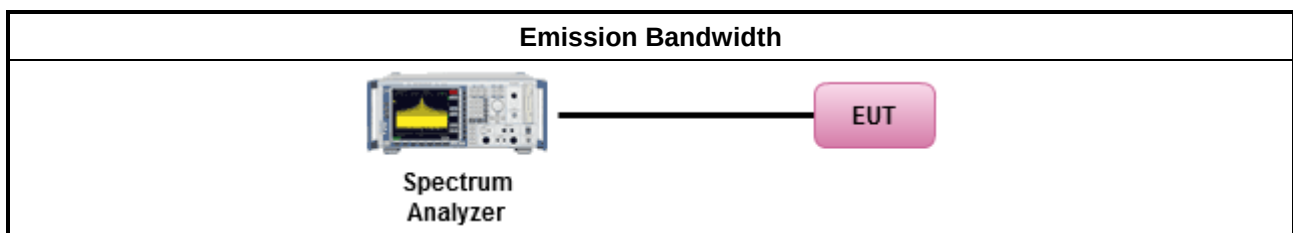
3.2.2 Measuring Instruments

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



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

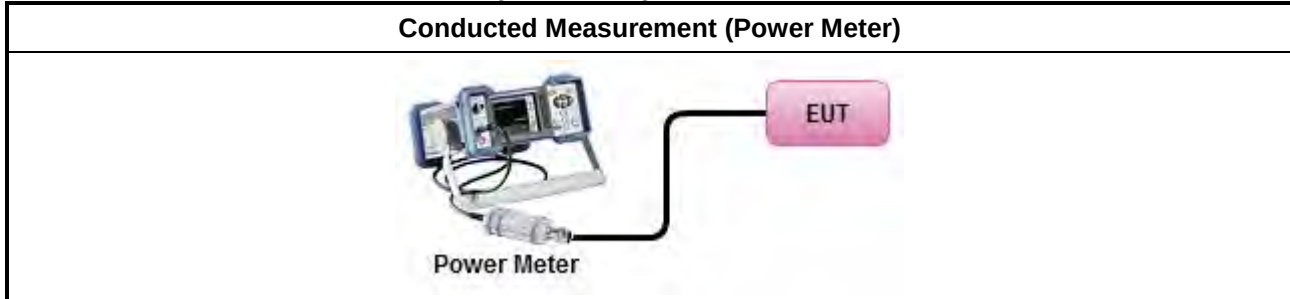
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

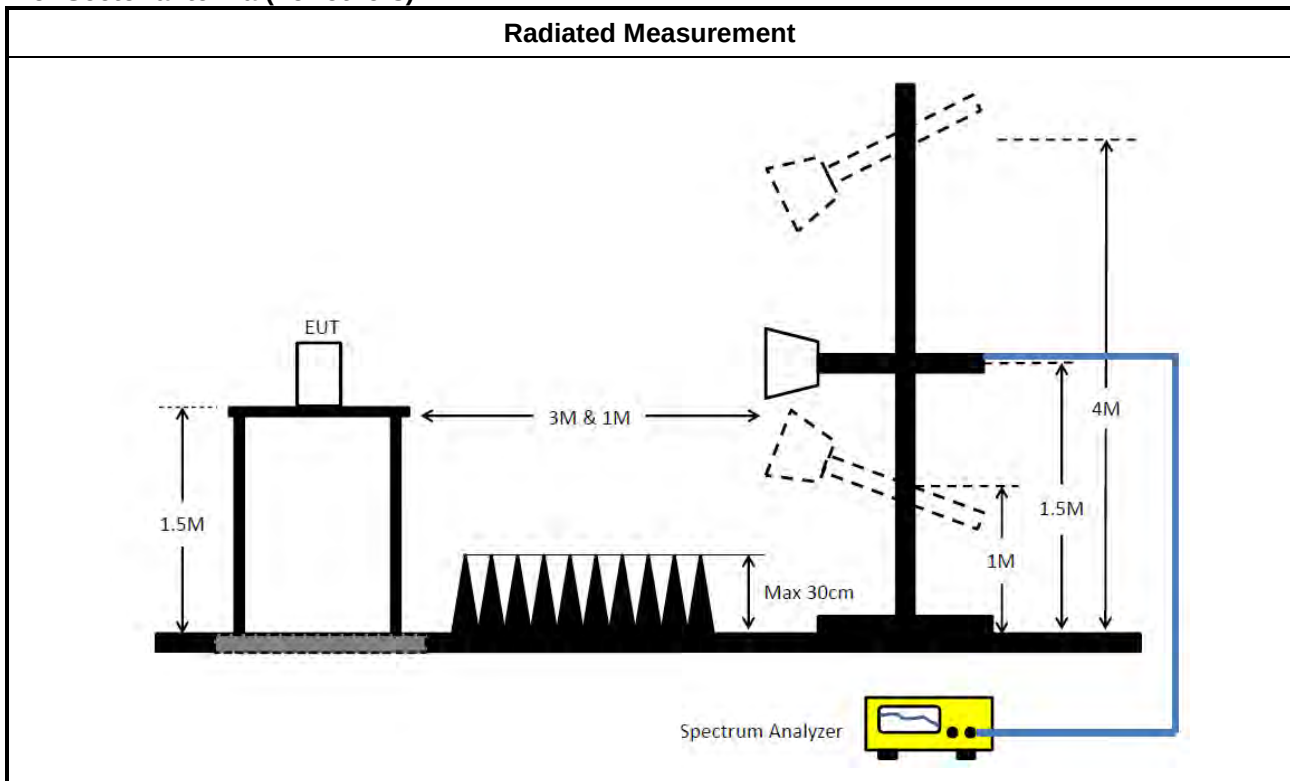
Test Method	
▪ According to FCC KDB 987594 D02 clause II.E, the test measurement procedure shall refer to KDB 789033.	
	Average over on/off periods with duty factor
	☒ For Sector antenna (For others): Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging). Spectrum analyzer setting: 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
	☒ For Dish antenna and Sector antenna (For Phi 30°): Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
	☒ For conducted measurement: For Dish antenna and Sector antenna (For Phi 30°)
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$
	☒ For radiated measurement: For Sector antenna (For others)
	▪ Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	▪ Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.3.4 Test Setup

For Dish antenna and Sector antenna (For Phi 30°):



For Sector antenna (For others):



3.3.5 Test Result of Maximum Equivalent Isotropically 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.



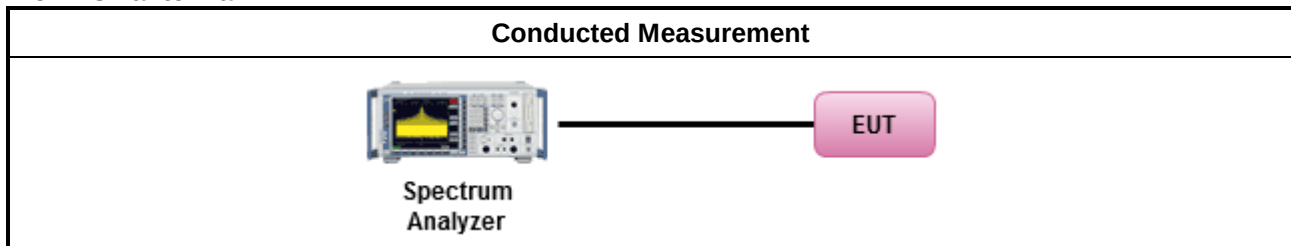
3.4.3 Test Procedures

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: For Dish antenna
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: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	

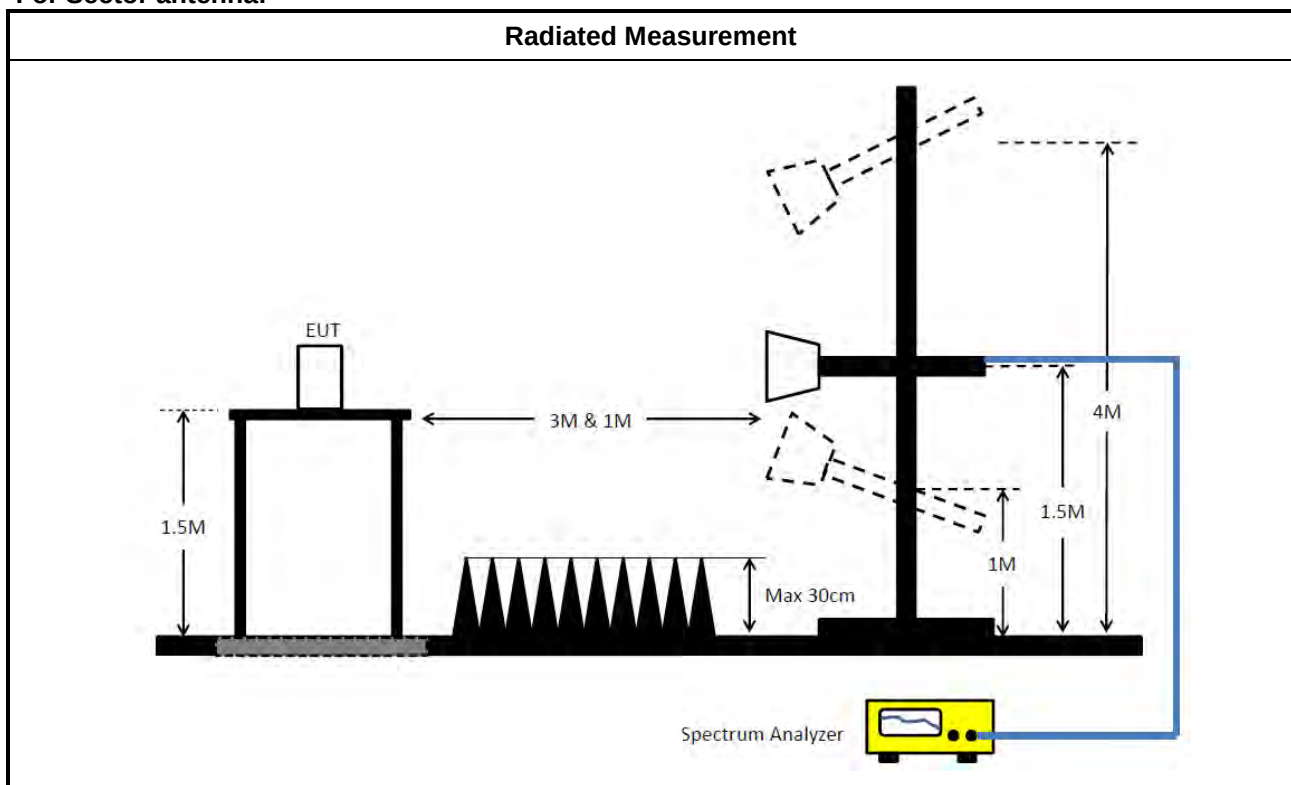
☒	For radiated measurement: For Sector antenna
	Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.4.4 Test Setup

For Dish antenna:



For Sector antenna:



3.4.5 Test Result of Peak Power Spectral Density (E.I.R.P.)

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

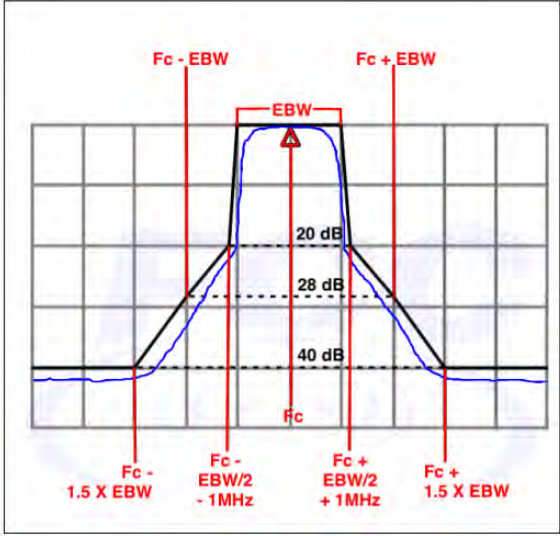
Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

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

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

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m($20 \times \log(\text{standard distance}/\text{test distance}) = 20\log(3/1) = 9.54\text{dB}$).
EX. Above 18GHz emission limit calculation (3m to 1m) = $54\text{dBuV/m at 3m} + 9.54\text{dB} = 63.54\text{dBuV/m at 1m}$.

Un-restricted band emissions above 1GHz Limit	
Frequency	Limit
Any outside the 5.945 – 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($20 \times \log(\text{standard distance}/\text{test distance}) = 20\log(3/1) = 9.54\text{dB}$). EX. Above 18GHz emission limit calculation (3m to 1m) = $68.2\text{dBuV/m at 3m} + 9.54\text{dB} = 77.74\text{dBuV/m at 1m}$. Note 2:-27 dBm EIRP OOB is measured RMS which is a deviation from the current 15E rules for 5 GHz bands. In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit.

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. 



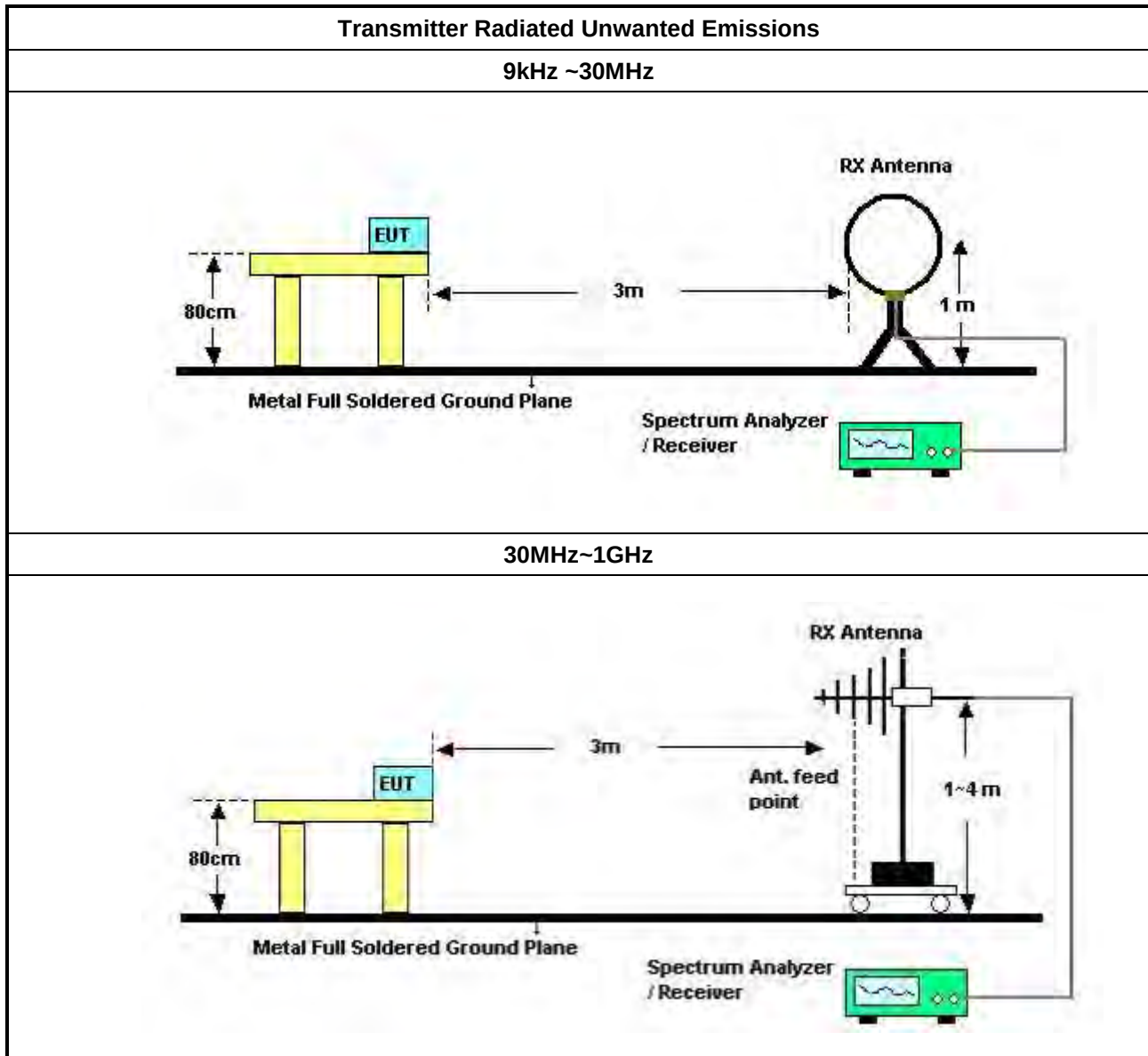
3.5.2 Measuring Instruments

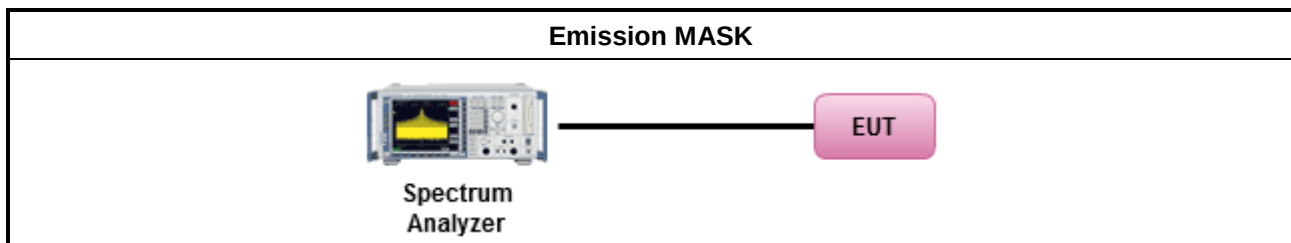
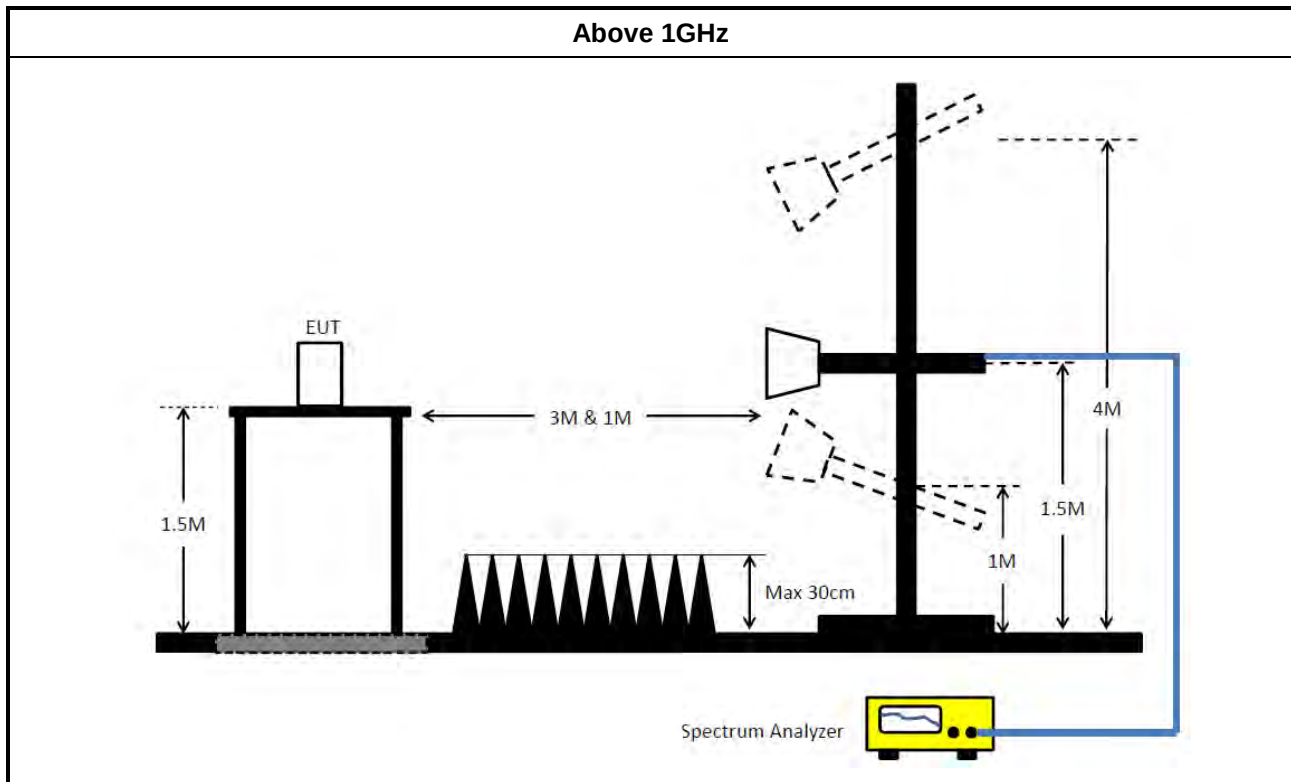
Refer a test equipment and calibration data table in this test report.

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 $\geq$ 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 $\geq$ 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





3.5.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable)
= Level

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 03, 2021	Mar. 02, 2022	Conduction (CO01-CB)
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 20, 2023	Feb. 19, 2024	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Jan. 06, 2021	Jan. 05, 2022	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 16, 2023	Feb. 15, 2024	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Mar. 07, 2021	Mar. 06, 2022	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 27, 2023	Apr. 26, 2024	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 30, 2021	Jan. 29, 2022	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 09, 2023	Feb. 08, 2024	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 19, 2021	May 18, 2022	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 13, 2023	Oct. 12, 2024	Radiation (10CH01-CB)
10m Semi Anechoic Chamber NSA	TDK	SAC-10M	10CH01-CB	30MHz~1GHz 10m,3m	Jan. 18, 2023	Jan. 17, 2024	Radiation (10CH01-CB)
Amplifier	Agilent	8447D	2944A10783	9kHz ~ 1.3GHz	Mar. 10, 2023	Mar. 09, 2024	Radiation (10CH01-CB)
Amplifier	Agilent	8447D	2944A10784	9kHz ~ 1.3GHz	Mar. 10, 2023	Mar. 09, 2024	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-01	25MHz ~ 1GHz	Oct. 17, 2023	Oct. 16, 2024	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-02	25MHz ~ 1GHz	Oct. 17, 2023	Oct. 16, 2024	Radiation (10CH01-CB)
EMI Test Receiver	Rohde&Schwarz	ESCI	100186	9kHz ~ 3GHz	Jul. 11, 2023	Jul. 10, 2024	Radiation (10CH01-CB)
Spectrum Analyzer	Rohde&Schwarz	FSV30	101026	9kHz ~ 30GHz	Apr. 19, 2023	Apr. 18, 2024	Radiation (10CH01-CB)
Bilog Antenna with 6dB Attenuator	Schaffner & EMC	CBL6112B& N-6-06	2888&AT-N060 5	30MHz ~ 1GHz	Jan. 19, 2023	Jan. 18, 2024	Radiation (10CH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Amplifier	EM	EM101	060703	10MHz ~ 1GHz	Oct. 18, 2023	Oct. 17, 2024	Radiation (10CH01-CB)
Low Cable	TITAN	T318E	low cable-03	30MHz ~ 1GHz	Nov. 23, 2023	Nov. 22, 2024	Radiation (10CH01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (10CH01-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 23, 2023	Mar. 22, 2024	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1GHz	Aug. 02, 2023	Aug. 01, 2024	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 24, 2023	Mar. 23, 2024	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 03, 2023	May 02, 2024	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Sep. 29, 2023	Sep. 28, 2024	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 08, 2023	Jun. 07, 2024	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH05-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Band Rejector	MTJ	6G Band Rejector	BRJ-01	1GHz ~ 7.4GHz	Oct. 03, 2023	Oct. 02, 2024	Radiation (03CH05-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-02	1GHz ~ 8GHz	Oct. 03, 2023	Oct. 02, 2024	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-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	20230109-3	18~40GHz	Jan. 13, 2023	Jan. 12, 2024	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Nov. 29, 2022	Nov. 29, 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)
Band Rejector	MTJ	6G Band Rejector	BRJ-01	1GHz ~ 7.4GHz	Oct. 03, 2023	Oct. 02, 2024	Radiation (03CH02-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-02	1GHz ~ 8GHz	Oct. 03, 2023	Oct. 02, 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)
Switch	SPTCB	SP-SWI	SWI-01	1~26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	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. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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. 02, 2023	Oct. 01, 2024	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 Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Mar. 01, 2024	Feb. 28, 2025	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Mar. 04, 2024	Mar. 03, 2025	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 30, 2022	Dec. 29, 2023	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Sep. 04, 2023	Sep. 03, 2024	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Sep. 04, 2023	Sep. 03, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-11	30MHz –18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-12	30MHz –18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-13	30MHz –18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz –18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz –18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 ~26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

NCR means Non-Calibration required.



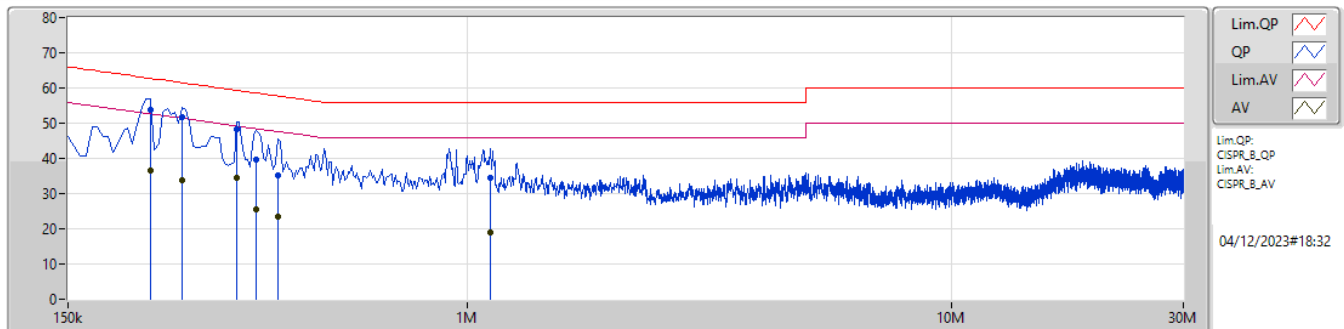
Conducted Emissions at Powerline

Appendix A

Summary

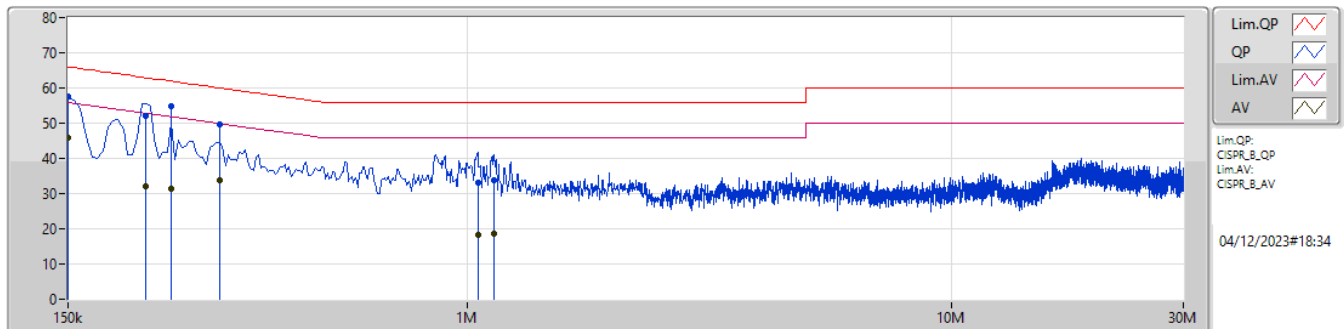
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	QP	244.5k	54.80	61.95	-7.15	Neutral

Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	222k	53.83	62.75	-8.92	9.97	Line	"Worst"	43.86	0.08	0.02	9.87						
AV	222k	36.42	52.75	-16.33	9.97	Line	-	26.45	0.08	0.02	9.87						
QP	258k	51.61	61.49	-9.88	9.97	Line	-	41.64	0.08	0.02	9.87						
AV	258k	33.96	51.49	-17.53	9.97	Line	-	23.99	0.08	0.02	9.87						
QP	334.5k	48.27	59.35	-11.08	10.00	Line	-	38.27	0.09	0.02	9.89						
AV	334.5k	34.58	49.35	-14.77	10.00	Line	-	24.58	0.09	0.02	9.89						
QP	366k	39.69	58.60	-18.91	10.00	Line	-	29.69	0.09	0.02	9.89						
AV	366k	25.50	48.60	-23.10	10.00	Line	-	15.50	0.09	0.02	9.89						
QP	406.5k	35.21	57.72	-22.51	10.01	Line	-	25.20	0.09	0.02	9.90						
AV	406.5k	23.32	47.72	-24.40	10.01	Line	-	13.31	0.09	0.02	9.90						
QP	1.118M	34.46	56.00	-21.54	10.03	Line	-	24.43	0.11	0.02	9.90						
AV	1.118M	18.83	46.00	-27.17	10.03	Line	-	8.80	0.11	0.02	9.90						

Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	150k	57.48	66.00	-8.52	9.96	Neutral	-	47.52	0.07	0.02	9.87						
AV	150k	45.97	56.00	-10.03	9.96	Neutral	-	36.01	0.07	0.02	9.87						
QP	217.5k	52.24	62.92	-10.68	9.95	Neutral	-	42.29	0.07	0.02	9.86						
AV	217.5k	32.02	52.92	-20.90	9.95	Neutral	-	22.07	0.07	0.02	9.86						
QP	244.5k	54.80	61.95	-7.15	9.96	Neutral	"Worst"	44.84	0.07	0.02	9.87						
AV	244.5k	31.52	51.95	-20.43	9.96	Neutral	-	21.56	0.07	0.02	9.87						
QP	307.5k	49.56	60.03	-10.47	9.97	Neutral	-	39.59	0.07	0.02	9.88						
AV	307.5k	33.85	50.03	-16.18	9.97	Neutral	-	23.88	0.07	0.02	9.88						
QP	1.05M	33.12	56.00	-22.88	9.99	Neutral	-	23.13	0.08	0.01	9.90						
AV	1.05M	18.44	46.00	-27.56	9.99	Neutral	-	8.45	0.08	0.01	9.90						
QP	1.136M	33.93	56.00	-22.07	10.00	Neutral	-	23.93	0.08	0.02	9.90						
AV	1.136M	18.75	46.00	-27.25	10.00	Neutral	-	8.75	0.08	0.02	9.90						

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	20.955M	19.149M	19M1D1D	20.185M	19M
802.11ax HEW40_Nss1,(MCS0)_2TX	39.93M	37.757M	37M8D1D	39.38M	37.601M
802.11ax HEW80_Nss1,(MCS0)_2TX	81.84M	77.18M	77M2D1D	80.96M	76.983M
802.11ax HEW160_Nss1,(MCS0)_2TX	164.12M	154.975M	155MD1D	161.92M	154.594M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	21.285M	19.135M	19M1D1D	20.13M	19M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.7M	37.723M	37M7D1D	39.38M	37.516M
802.11ax HEW80_Nss1,(MCS0)_2TX	81.84M	77.185M	77M2D1D	80.96M	76.914M
802.11ax HEW160_Nss1,(MCS0)_2TX	162.8M	154.737M	155MD1D	162.8M	154.705M

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	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-
5955MHz	Pass	20.955M	19.039M	20.185M	19.149M
6195MHz	Pass	20.405M	19.057M	20.68M	19M
6415MHz	Pass	20.295M	19.021M	20.9M	19.099M
6535MHz	Pass	20.735M	19.021M	20.57M	19.135M
6695MHz	Pass	20.79M	19.111M	20.625M	19.053M
6855MHz	Pass	21.285M	19M	20.13M	19.088M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-
5965MHz	Pass	39.38M	37.64M	39.93M	37.757M
6205MHz	Pass	39.49M	37.62M	39.49M	37.601M
6405MHz	Pass	39.49M	37.608M	39.38M	37.7M
6565MHz	Pass	40.7M	37.516M	39.6M	37.723M
6685MHz	Pass	39.38M	37.601M	39.38M	37.656M
6845MHz	Pass	39.49M	37.706M	39.38M	37.635M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-
5985MHz	Pass	81.84M	77.027M	81.4M	77.158M
6225MHz	Pass	80.96M	77.107M	81.18M	76.983M
6385MHz	Pass	81.84M	77.18M	81.18M	77.036M
6625MHz	Pass	80.96M	77.055M	81.18M	77.185M
6705MHz	Pass	81.18M	77.012M	81.18M	76.968M
6785MHz	Pass	81.84M	76.914M	81.4M	76.929M
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-
6025MHz	Pass	164.12M	154.975M	161.92M	154.73M
6185MHz	Pass	162.36M	154.657M	161.92M	154.75M
6345MHz	Pass	164.12M	154.608M	161.92M	154.594M
6665MHz	Pass	162.8M	154.705M	162.8M	154.737M

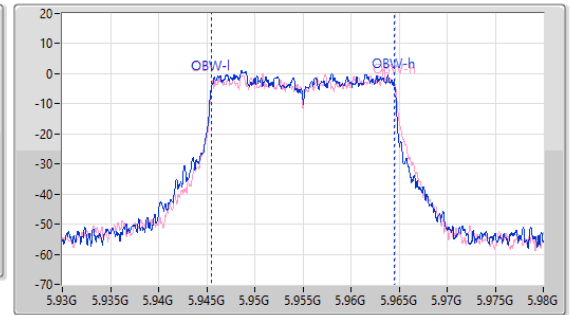
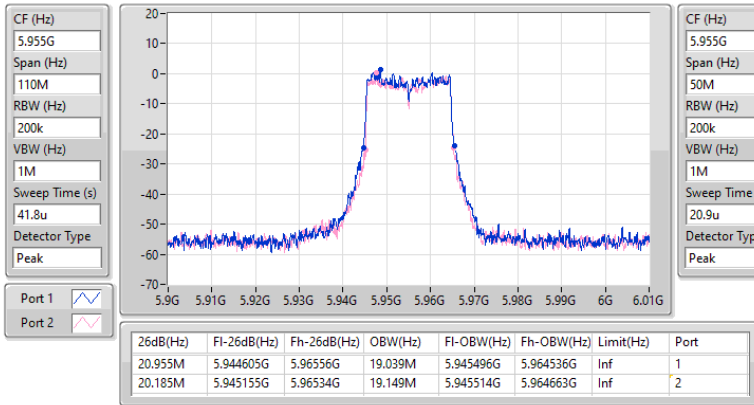
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5955MHz

17/10/2023

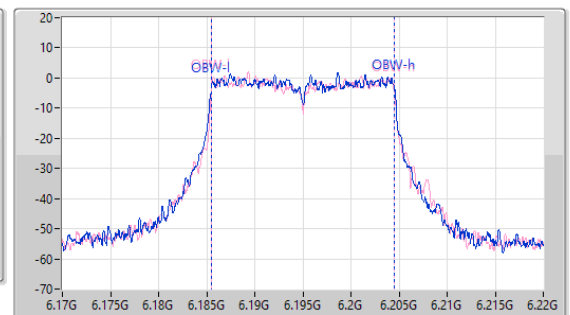
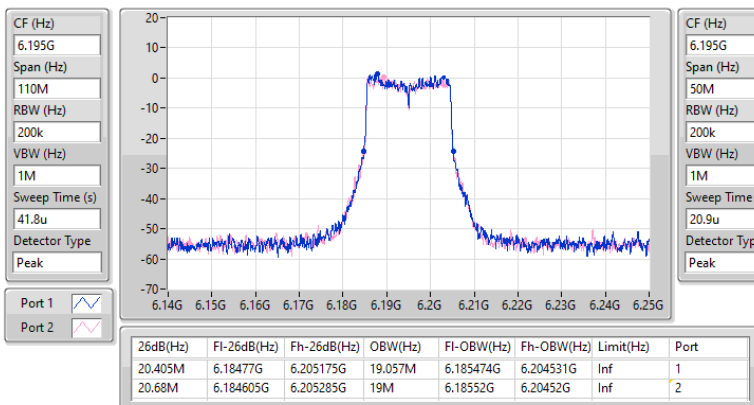


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

6195MHz

17/10/2023

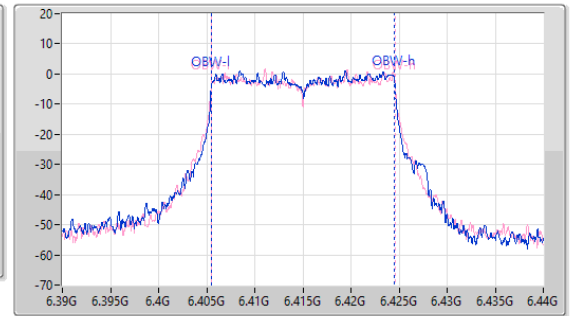
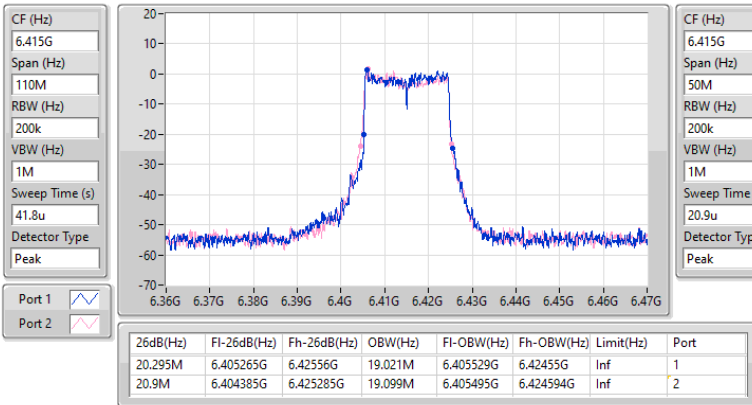


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

6415MHz

17/10/2023

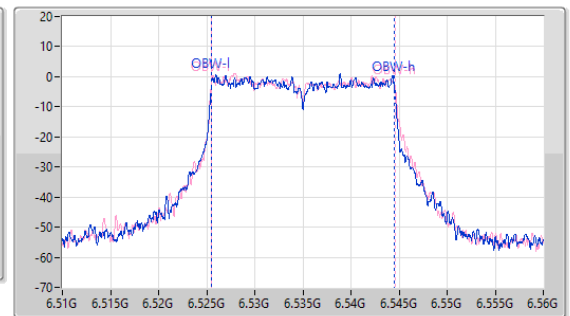
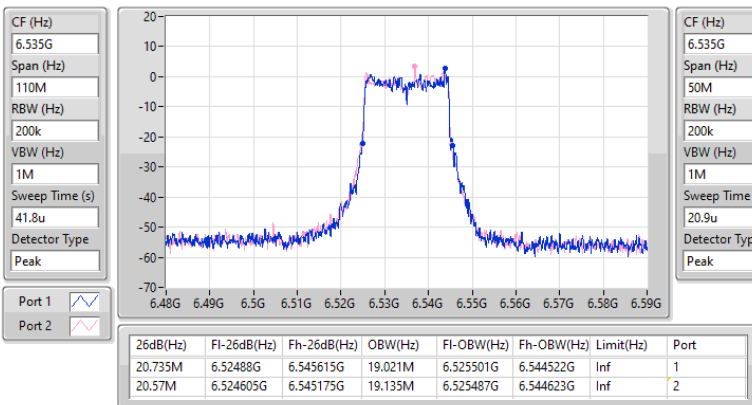


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

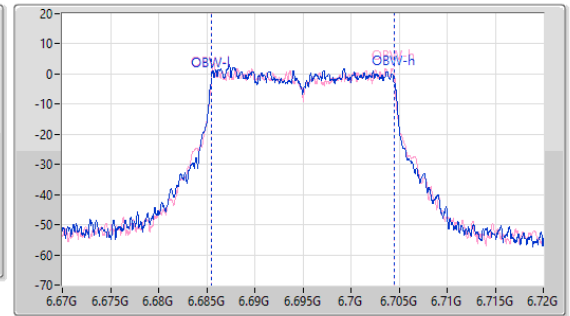
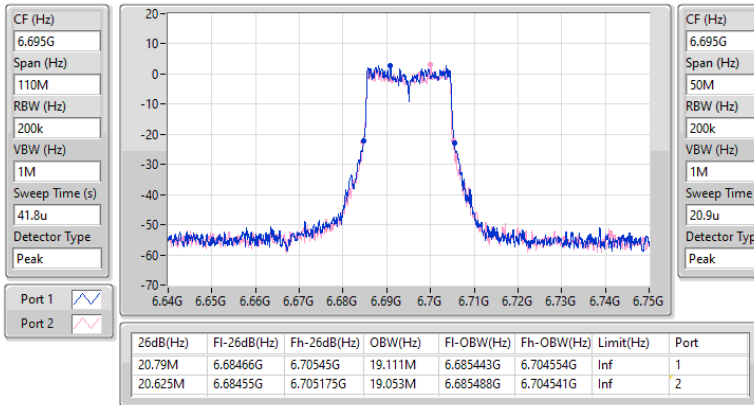
6535MHz

17/10/2023

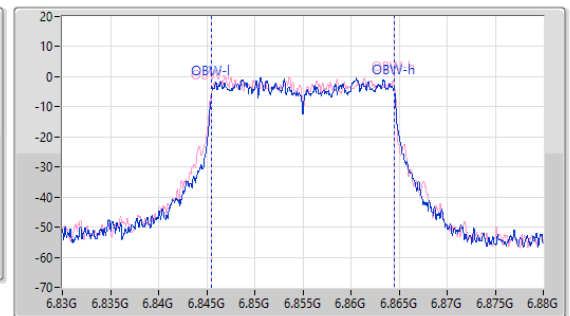
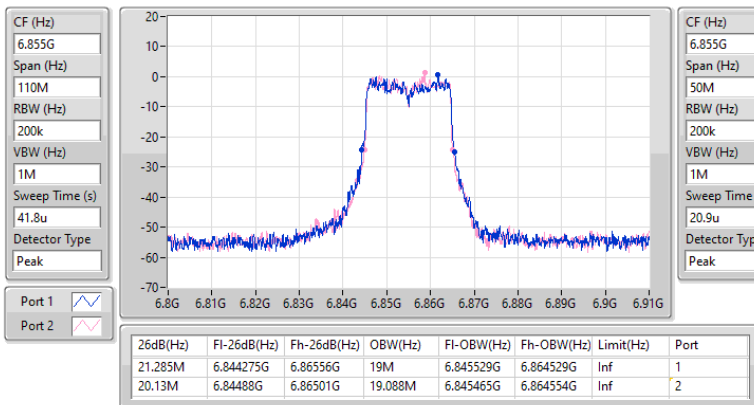


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
6695MHz

17/10/2023


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
6855MHz

17/10/2023

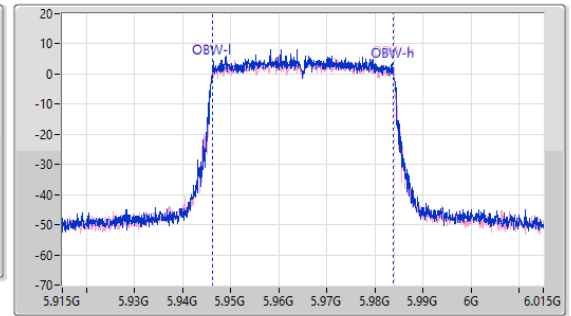
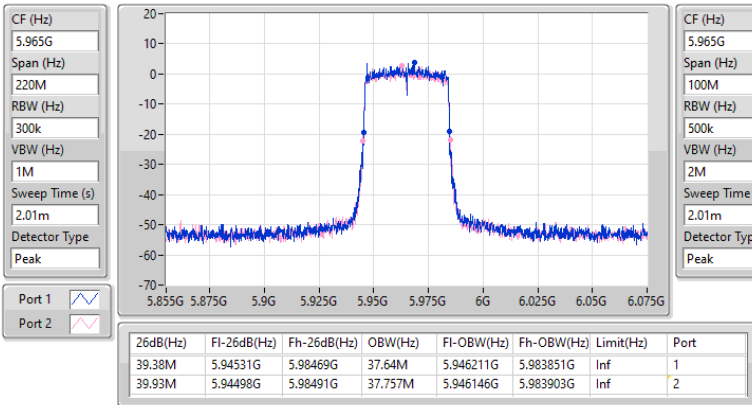


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5965MHz

17/10/2023

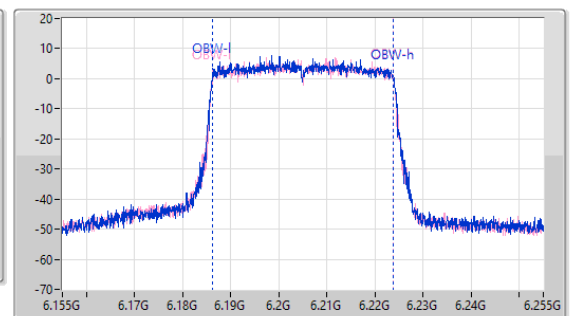
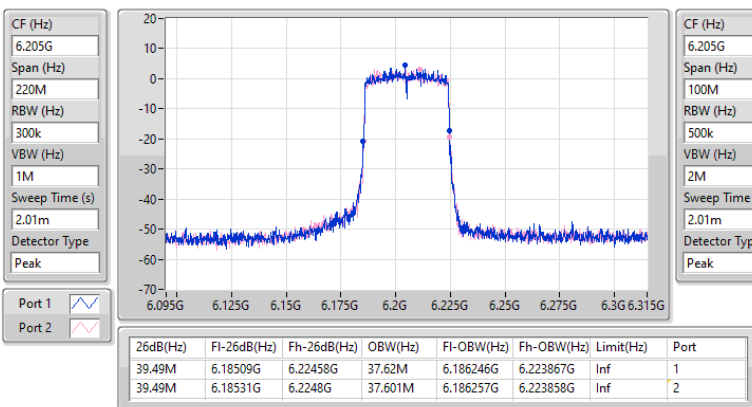


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

6205MHz

17/10/2023

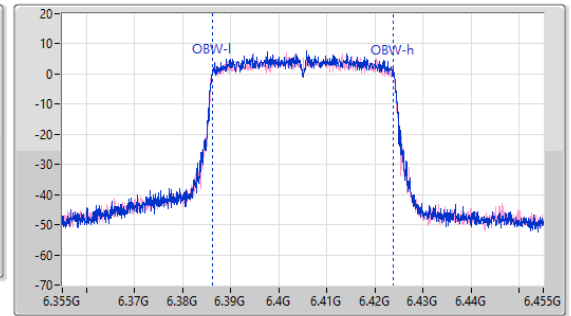
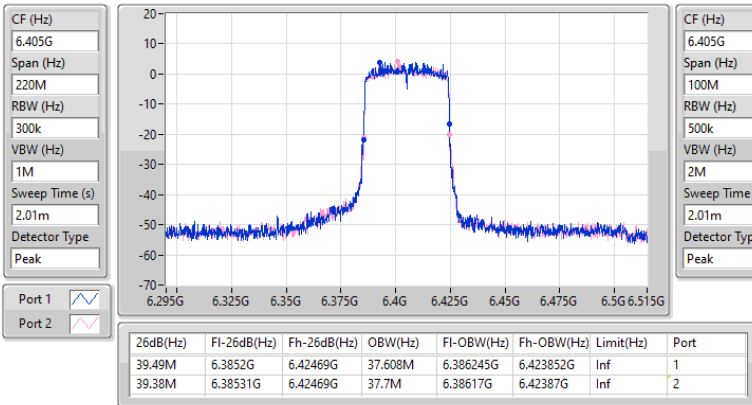


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

6405MHz

17/10/2023

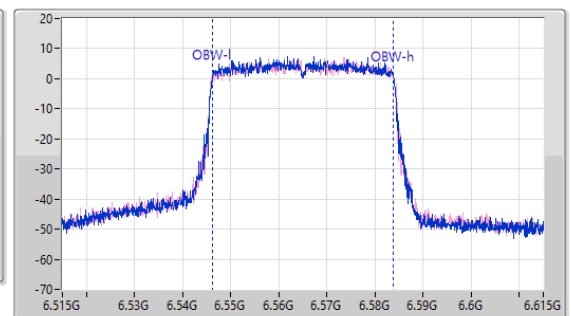
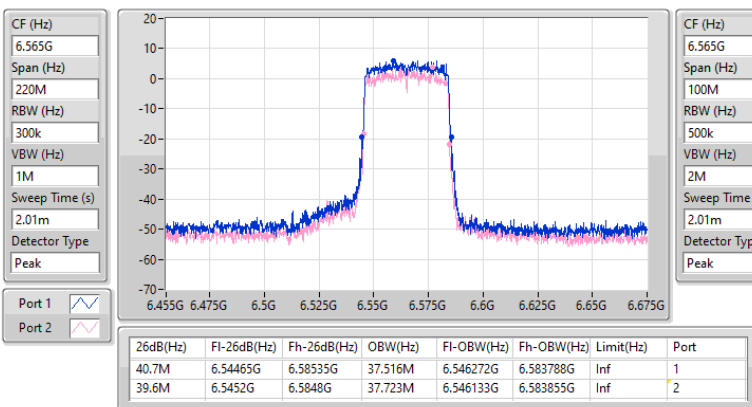


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

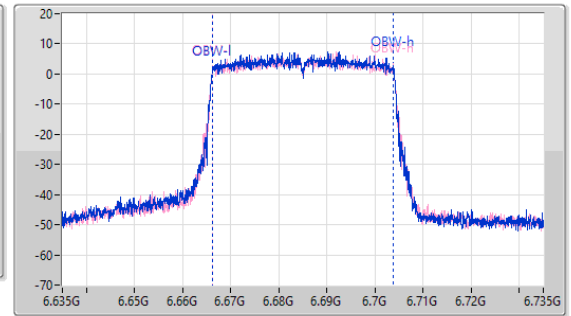
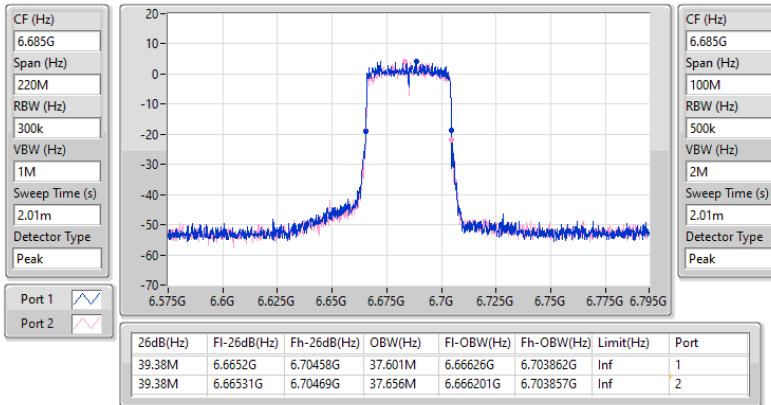
6565MHz

17/10/2023

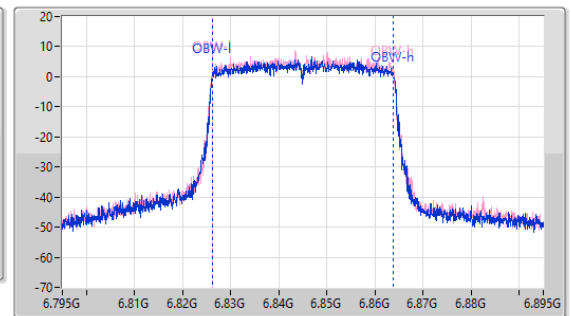
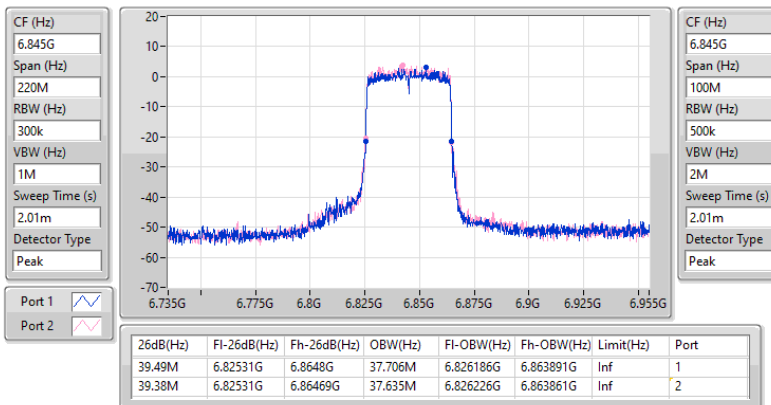


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
6685MHz

17/10/2023


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
6845MHz

17/10/2023

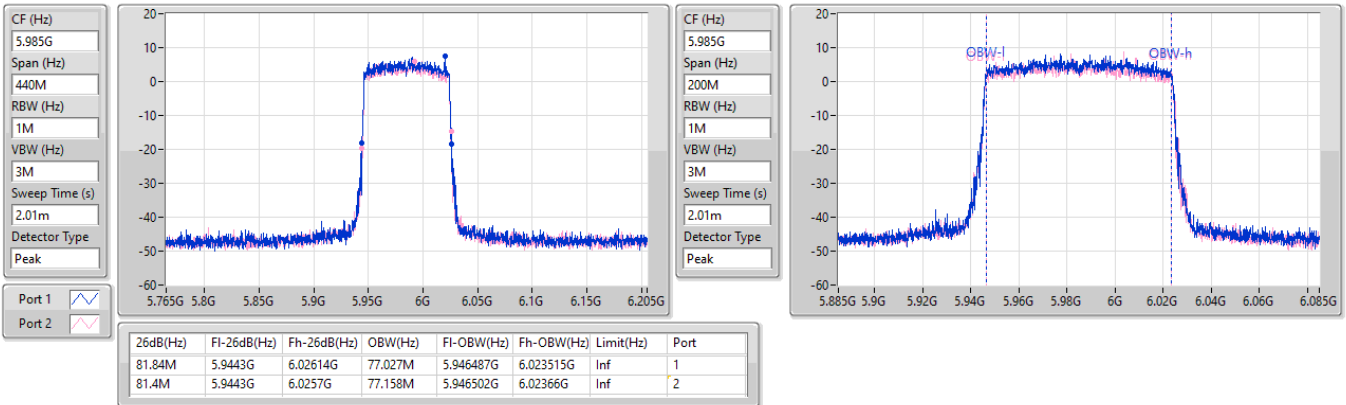


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5985MHz

17/10/2023

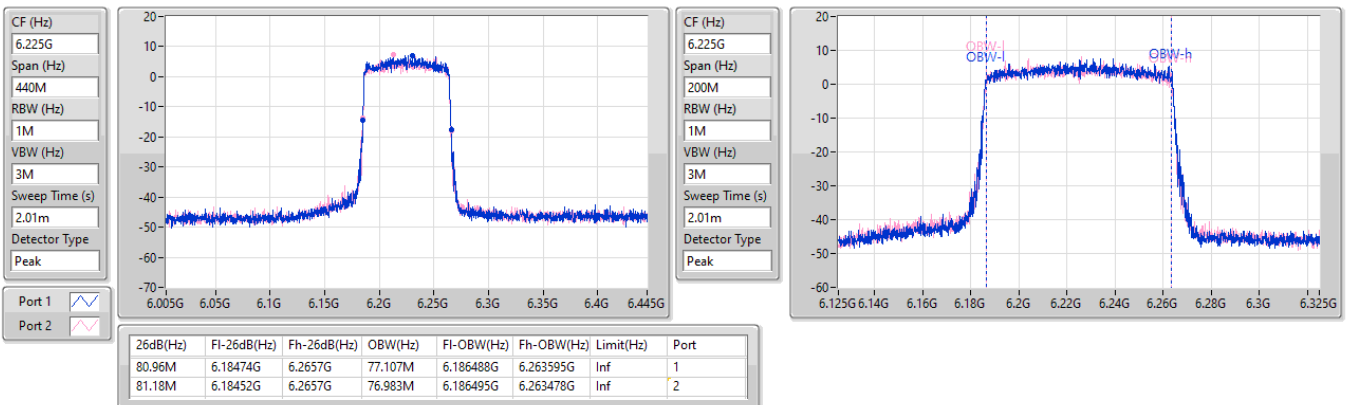


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

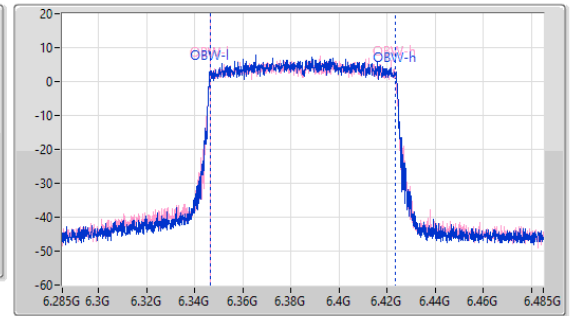
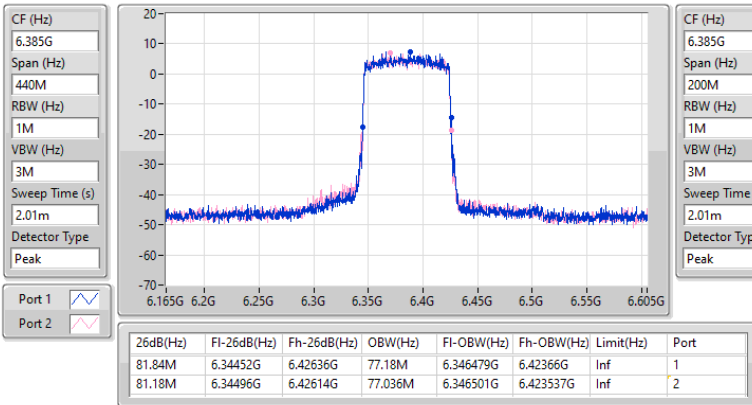
6225MHz

17/10/2023

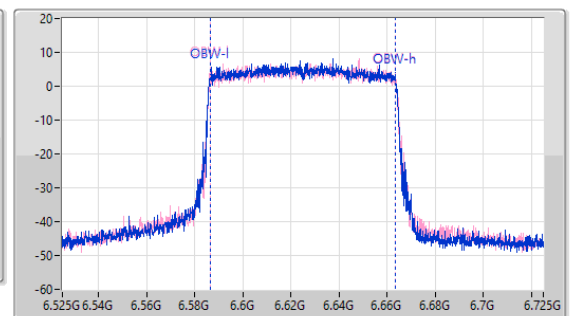
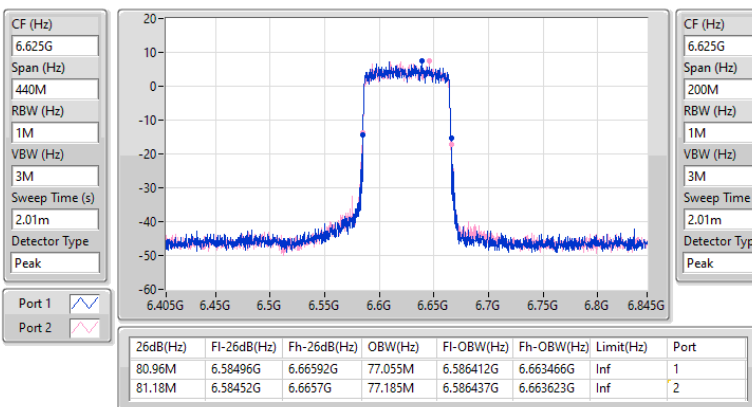


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
6385MHz

17/10/2023


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
6625MHz

17/10/2023

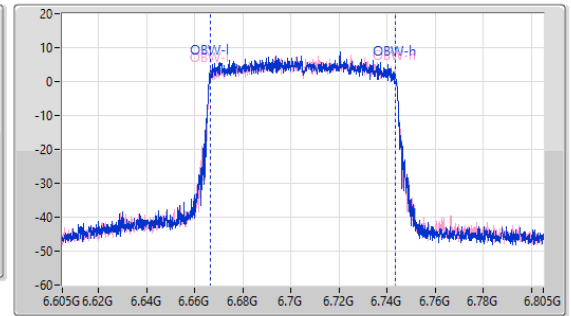
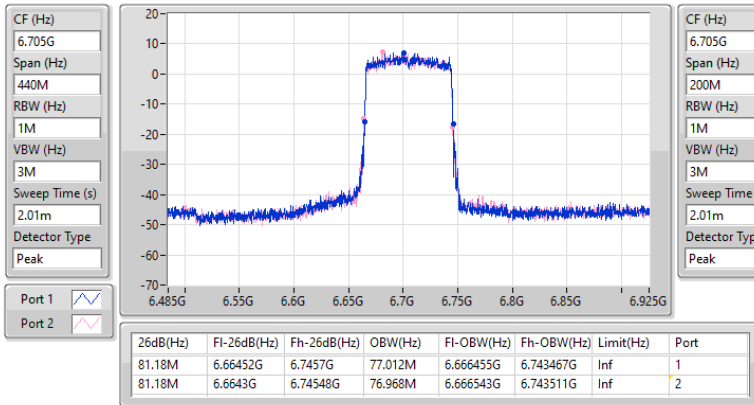


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

6705MHz

17/10/2023

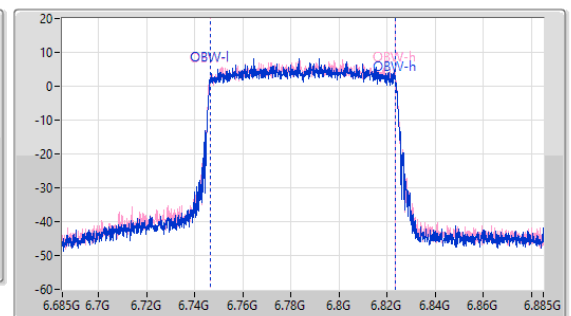
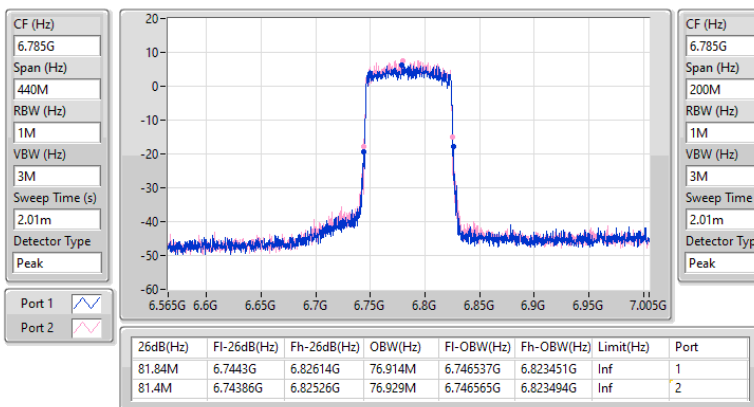


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

6785MHz

17/10/2023

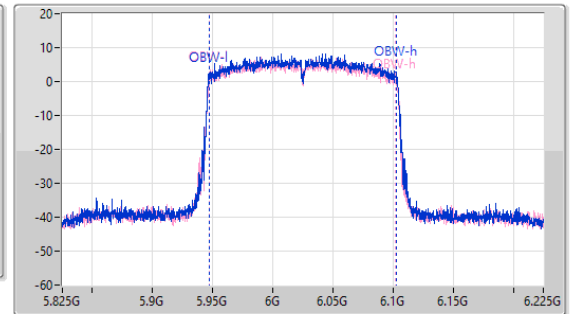
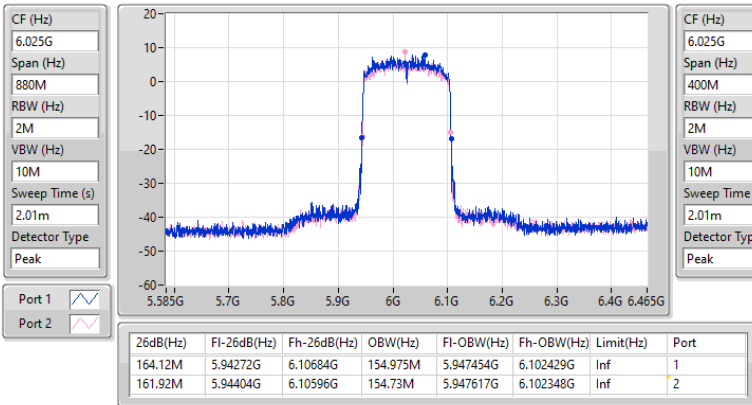


5.925-6.425GHz_802.11ax_HEW160_Nss1,(MCS0)_2TX

EBW

6025MHz

17/10/2023

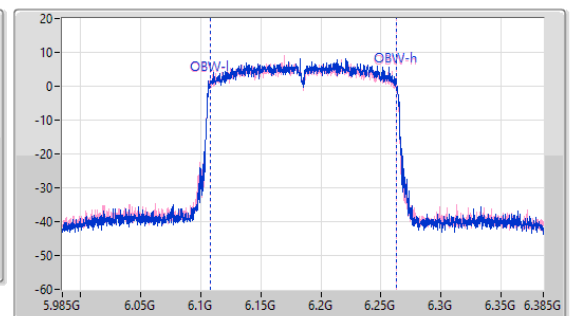
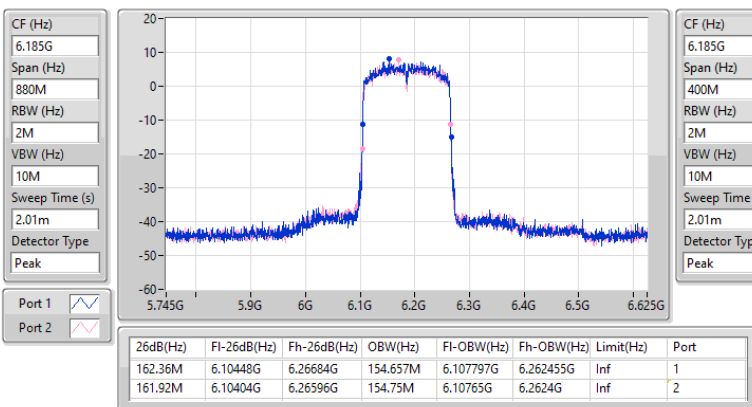


5.925-6.425GHz_802.11ax_HEW160_Nss1,(MCS0)_2TX

EBW

6185MHz

17/10/2023

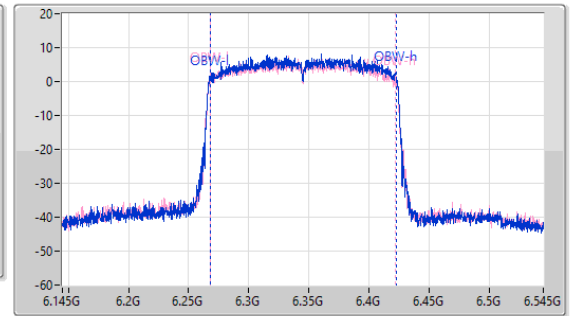
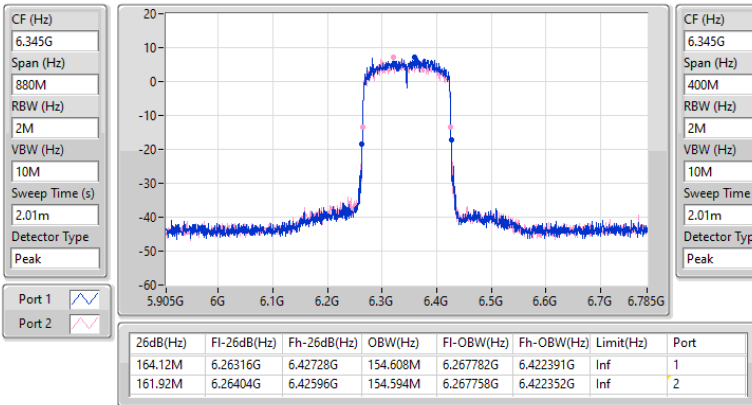


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

EBW

6345MHz

17/10/2023

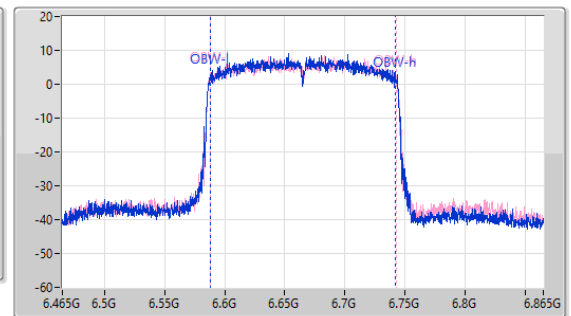
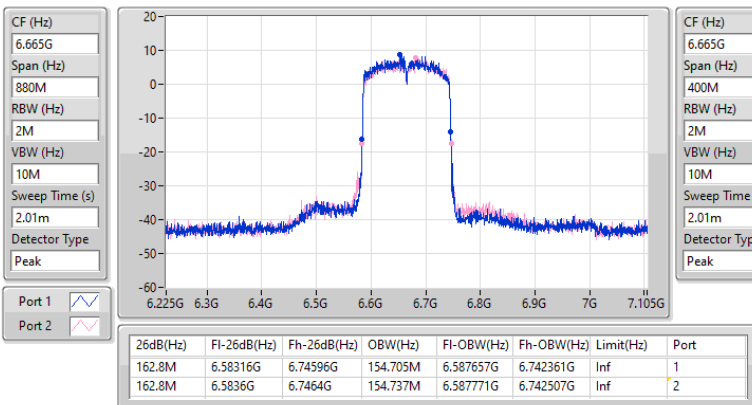


6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

EBW

6665MHz

17/10/2023



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	21.23M	19.113M	19M1D1D	20.13M	18.967M
802.11ax HEW40_Nss1,(MCS0)_2TX	39.6M	37.846M	37M8D1D	38.94M	37.537M
802.11ax HEW80_Nss1,(MCS0)_2TX	81.4M	77.131M	77M1D1D	80.08M	76.429M
802.11ax HEW160_Nss1,(MCS0)_2TX	162.8M	154.975M	155MD1D	161.48M	153.785M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	21.23M	19.221M	19M2D1D	20.515M	18.991M
802.11ax HEW40_Nss1,(MCS0)_2TX	39.6M	37.722M	37M7D1D	39.05M	37.511M
802.11ax HEW80_Nss1,(MCS0)_2TX	80.96M	77.279M	77M3D1D	80.08M	76.425M
802.11ax HEW160_Nss1,(MCS0)_2TX	161.92M	155.137M	155MD1D	161.48M	153.921M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Min-OBW = Minimum 99% occupied bandwidth

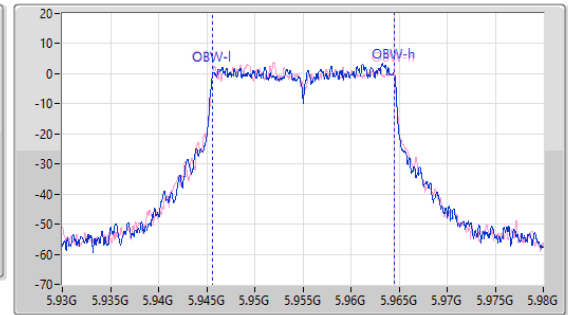
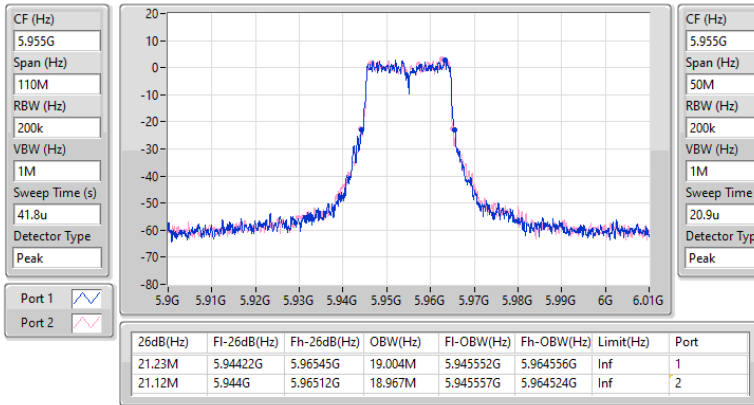
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5955MHz	Pass	Inf	21.23M	19.004M	21.12M	18.967M
6195MHz	Pass	Inf	20.13M	19.029M	21.065M	19.03M
6415MHz	Pass	Inf	21.01M	19.113M	20.57M	19.027M
6535MHz	Pass	Inf	20.735M	18.991M	20.9M	19.221M
6695MHz	Pass	Inf	20.79M	19.001M	21.23M	19.083M
6855MHz	Pass	Inf	20.515M	19.063M	20.9M	19.012M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5965MHz	Pass	Inf	38.94M	37.581M	39.6M	37.714M
6205MHz	Pass	Inf	39.16M	37.846M	39.38M	37.585M
6405MHz	Pass	Inf	39.16M	37.627M	39.27M	37.537M
6565MHz	Pass	Inf	39.05M	37.705M	39.6M	37.574M
6685MHz	Pass	Inf	39.49M	37.511M	39.49M	37.639M
6845MHz	Pass	Inf	39.6M	37.565M	39.38M	37.722M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5985MHz	Pass	Inf	80.96M	77.043M	81.4M	76.86M
6225MHz	Pass	Inf	80.52M	76.827M	80.52M	77.107M
6385MHz	Pass	Inf	80.08M	77.131M	80.52M	76.429M
6625MHz	Pass	Inf	80.08M	76.425M	80.96M	77.217M
6705MHz	Pass	Inf	80.3M	77.279M	80.08M	77.25M
6785MHz	Pass	Inf	80.08M	77.261M	80.08M	76.981M
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-
6025MHz	Pass	Inf	161.92M	154.813M	161.48M	154.218M
6185MHz	Pass	Inf	162.36M	153.943M	162.8M	154.975M
6345MHz	Pass	Inf	161.92M	153.785M	161.48M	154.394M
6665MHz	Pass	Inf	161.48M	153.921M	161.92M	155.137M

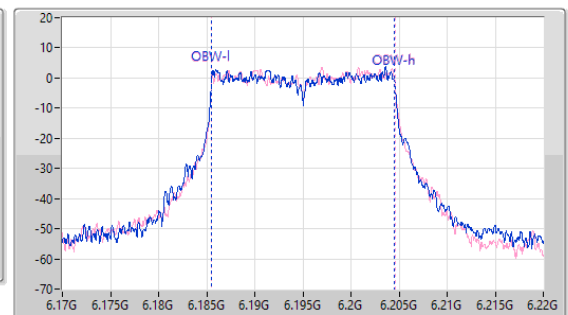
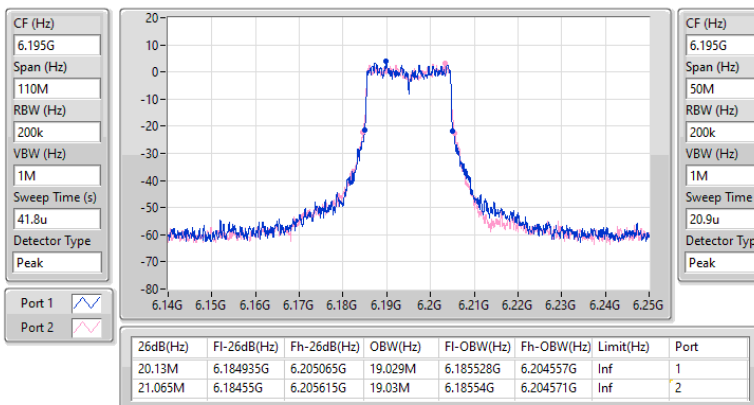
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5955MHz

27/11/2023

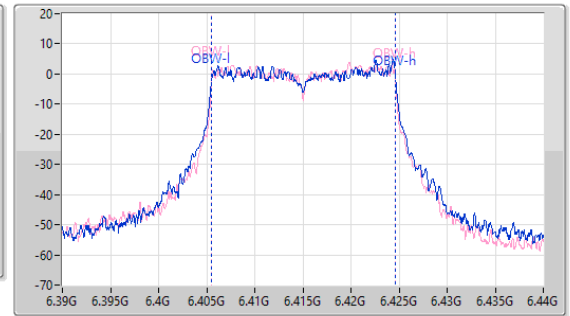
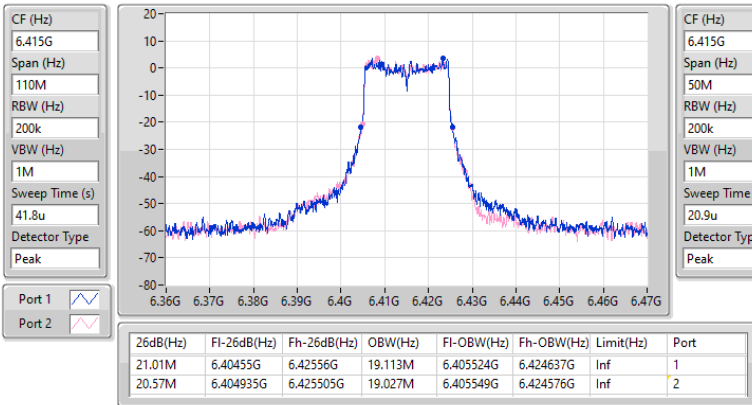

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
6195MHz

27/11/2023

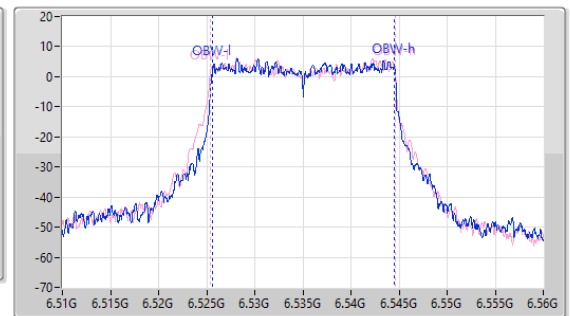
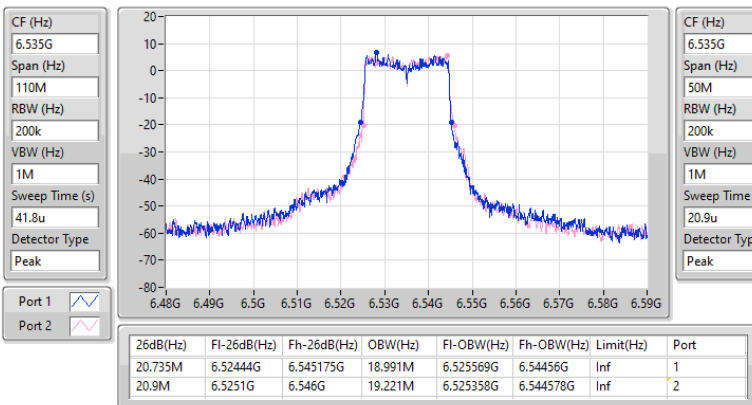


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
6415MHz

27/11/2023

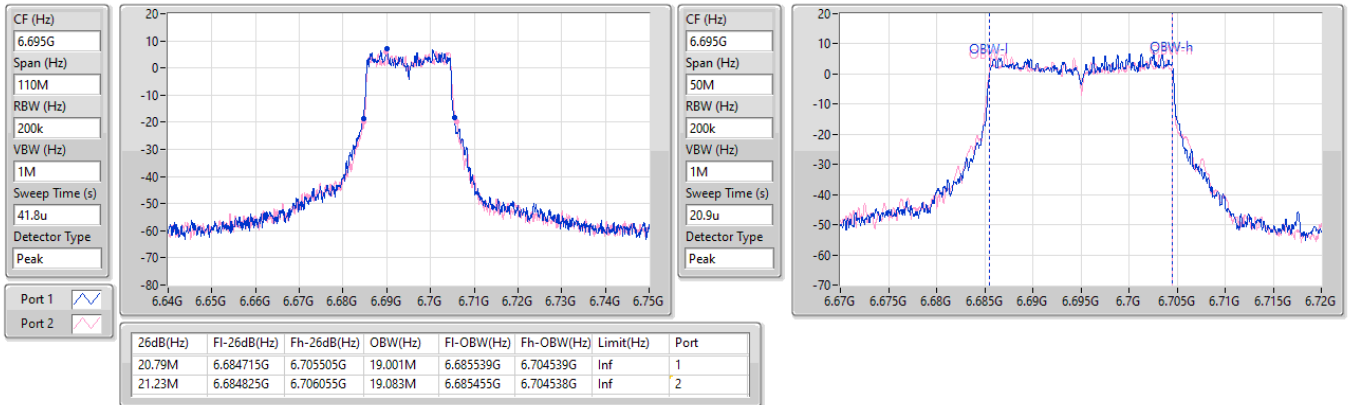

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
6535MHz

27/11/2023

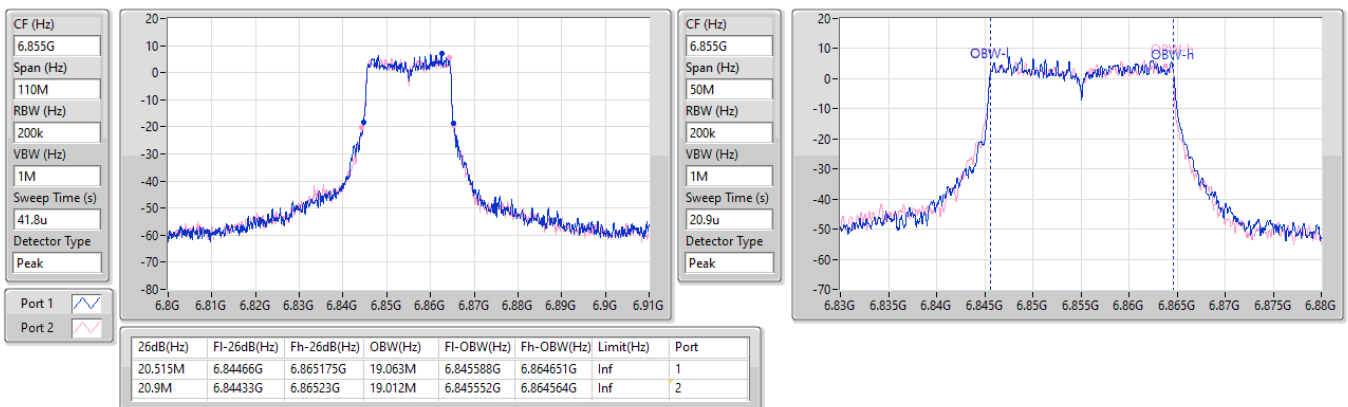


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
6695MHz

27/11/2023

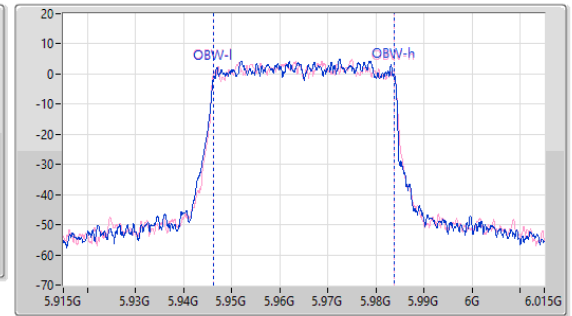
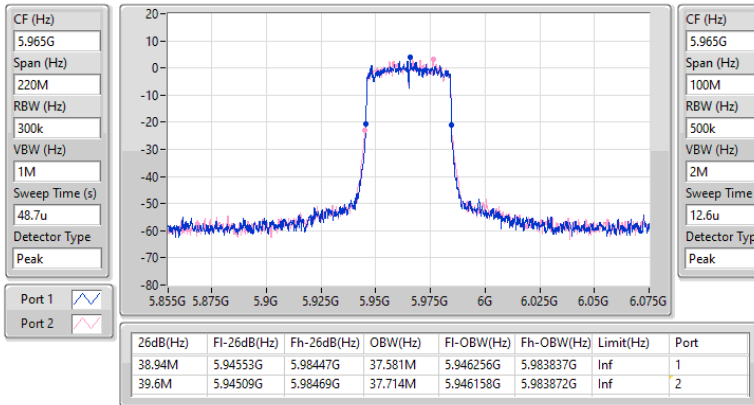

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
6855MHz

27/11/2023

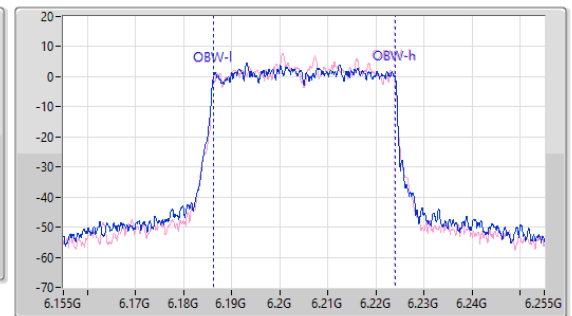
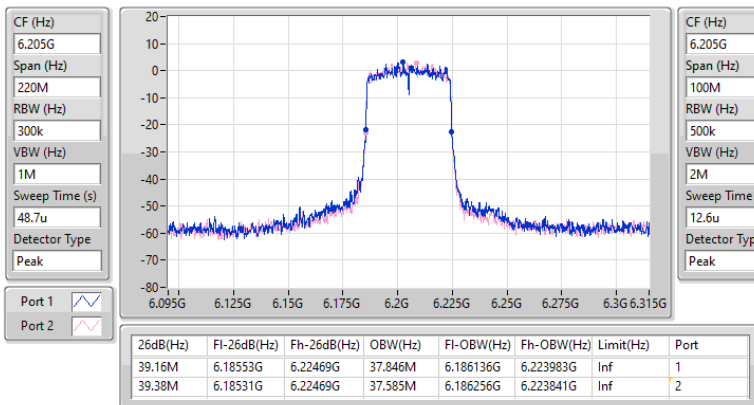


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5965MHz

27/11/2023

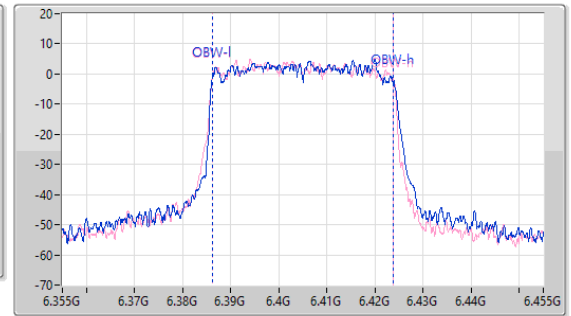
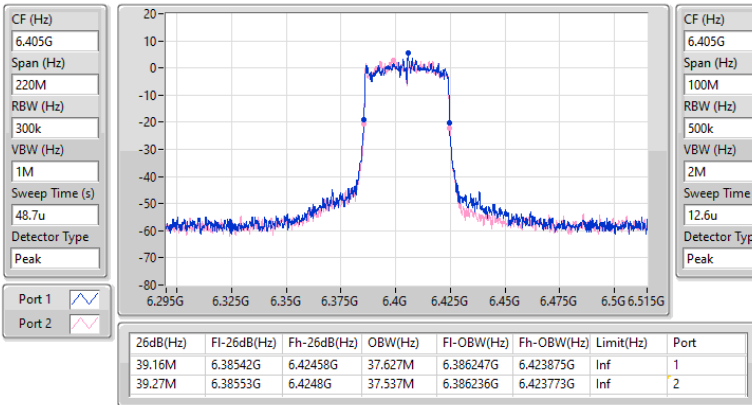

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
6205MHz

27/11/2023

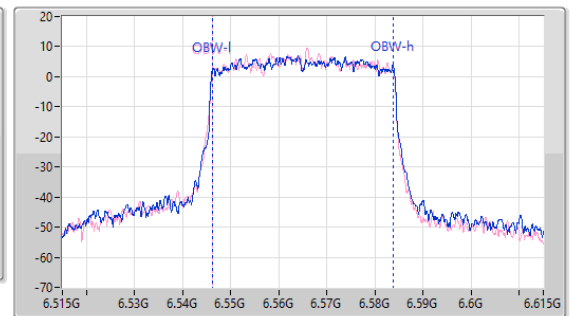
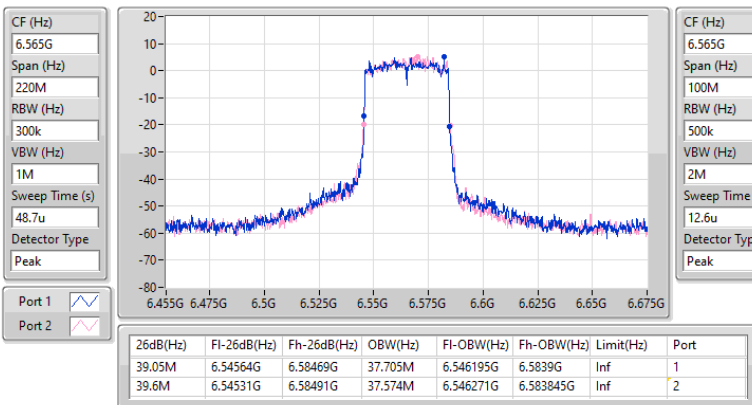


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
6405MHz

27/11/2023

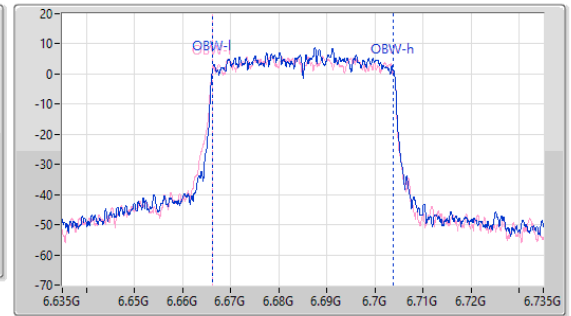
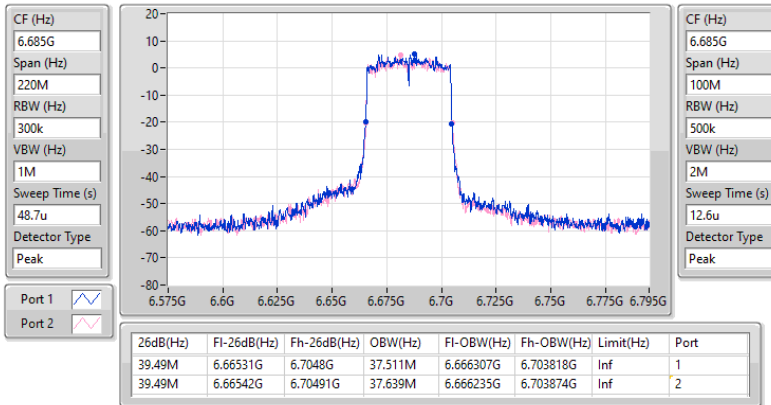

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
6565MHz

27/11/2023

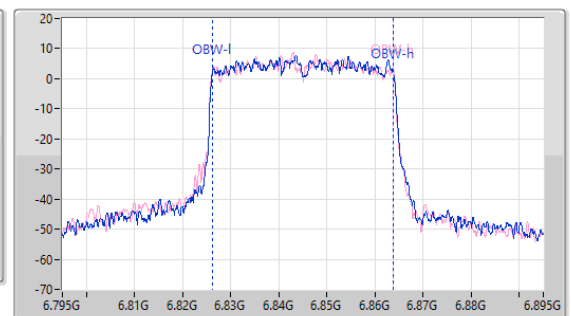
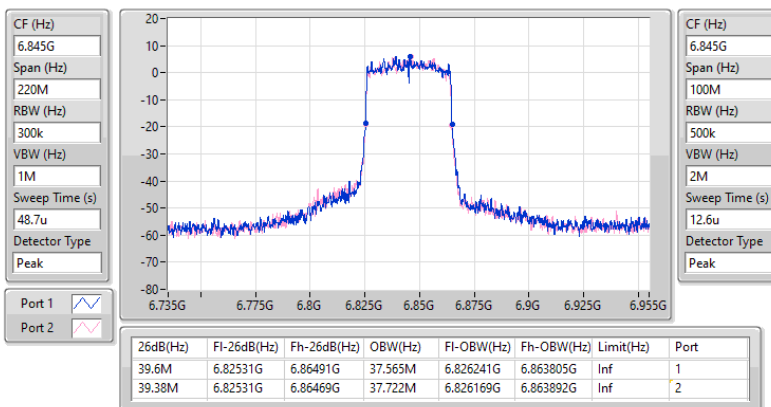


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
6685MHz

27/11/2023

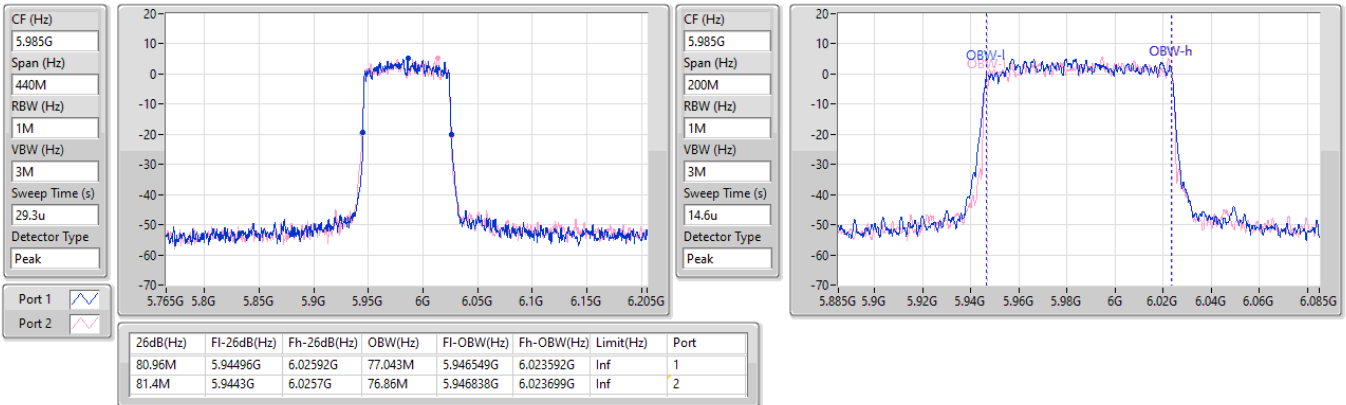

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
6845MHz

27/11/2023

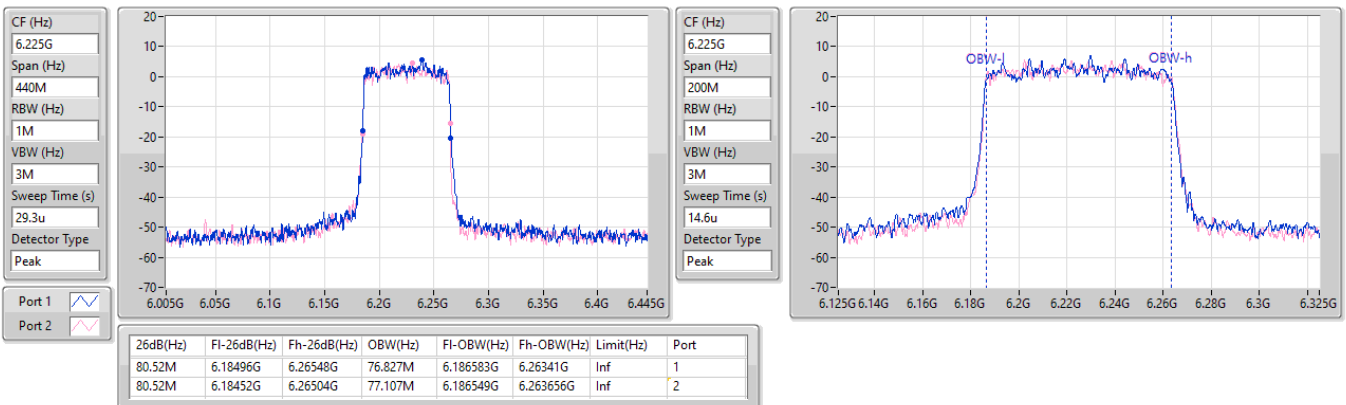


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5985MHz

27/11/2023

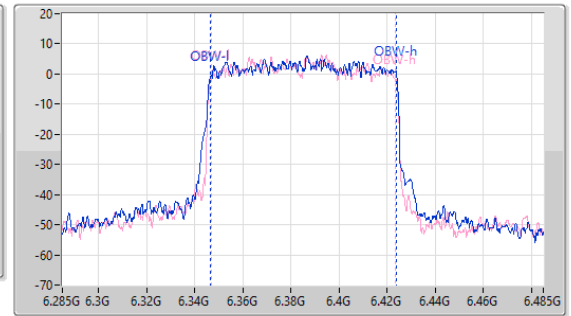
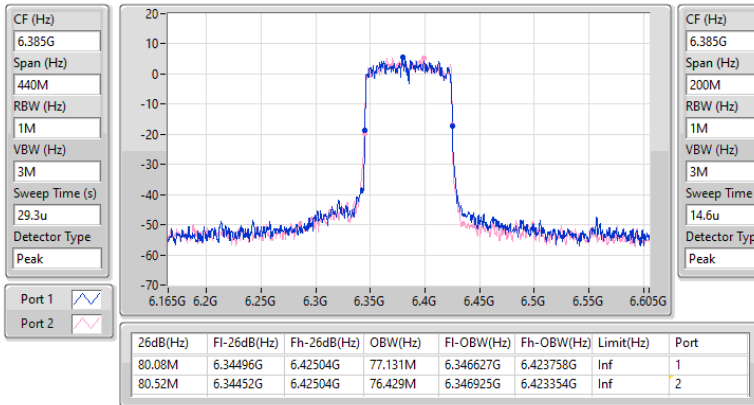

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
6225MHz

27/11/2023

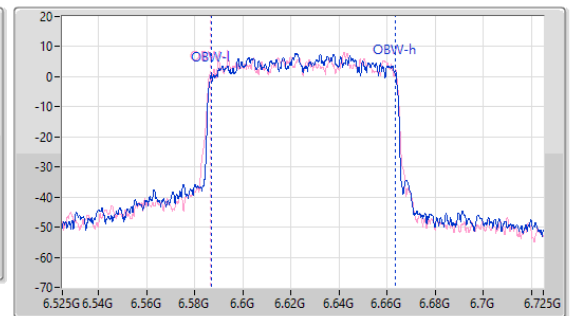
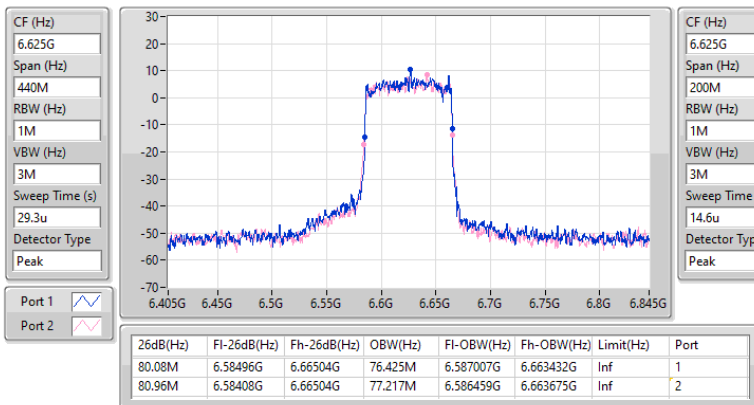


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
6385MHz

27/11/2023


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
6625MHz

27/11/2023

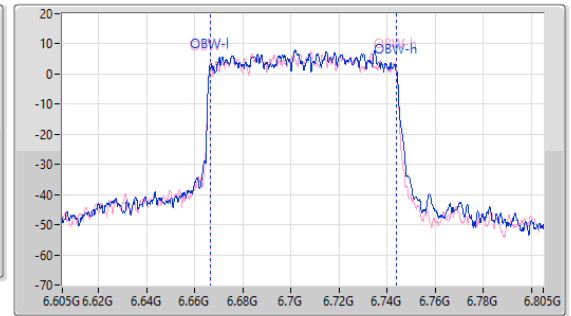
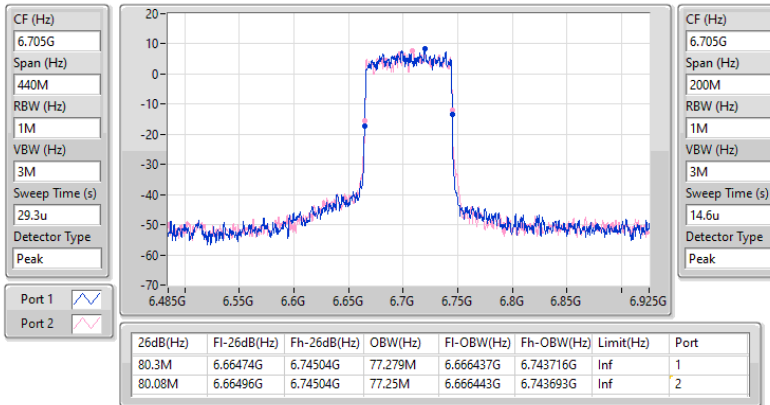


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

6705MHz

27/11/2023

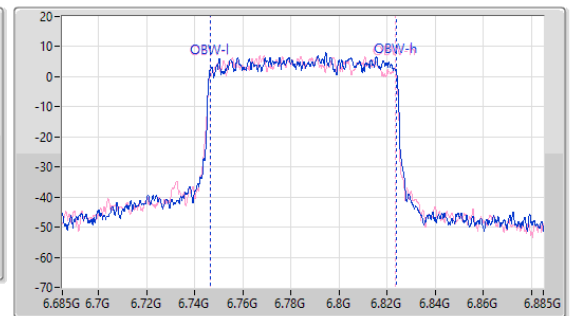
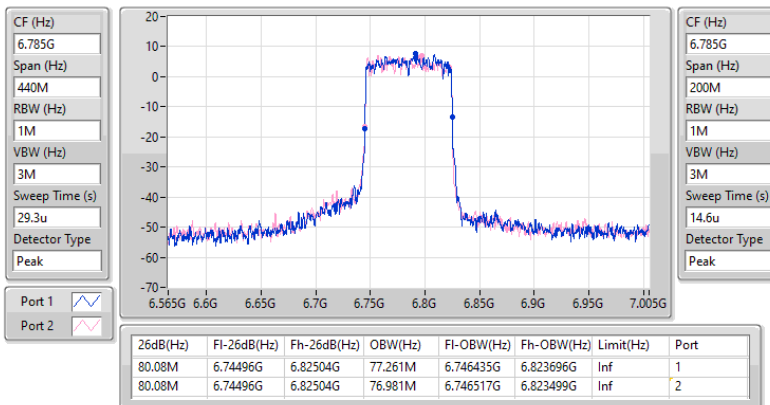


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

6785MHz

27/11/2023

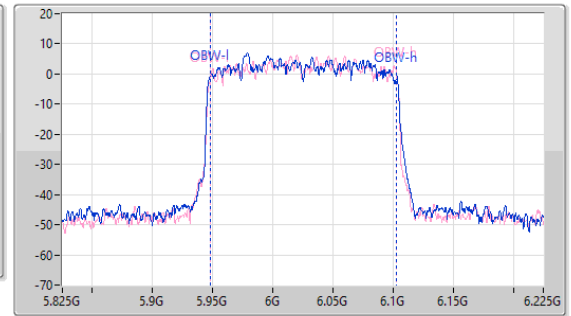
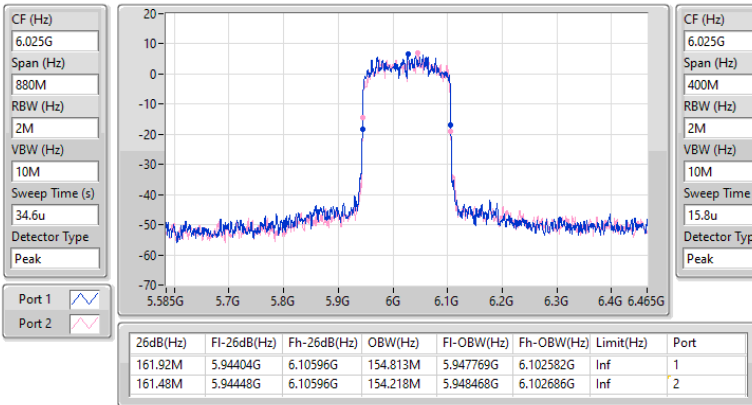


5.925-6.425GHz_802.11ax_HEW160_Nss1,(MCS0)_2TX

EBW

6025MHz

27/11/2023

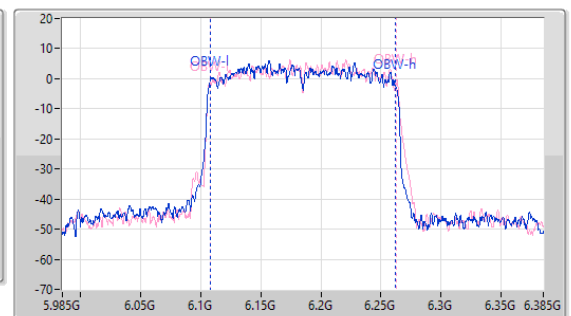
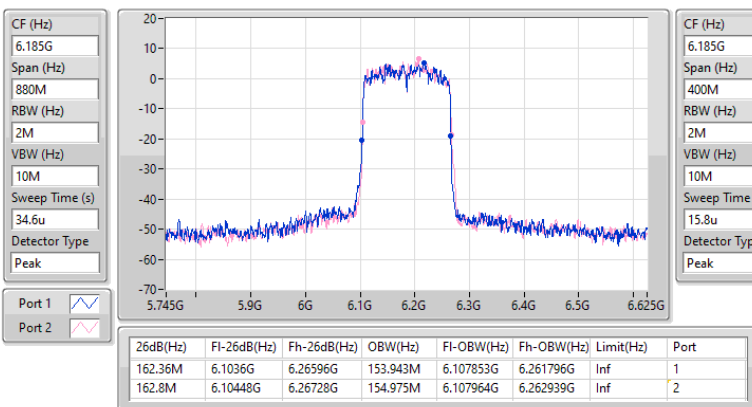


5.925-6.425GHz_802.11ax_HEW160_Nss1,(MCS0)_2TX

EBW

6185MHz

27/11/2023

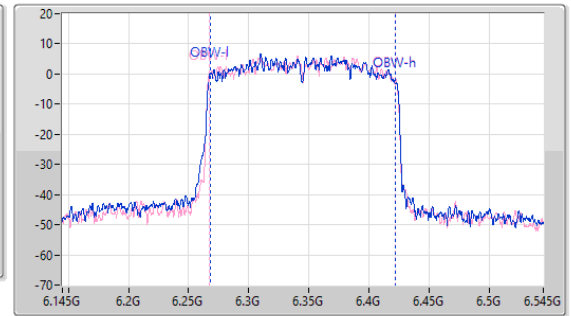
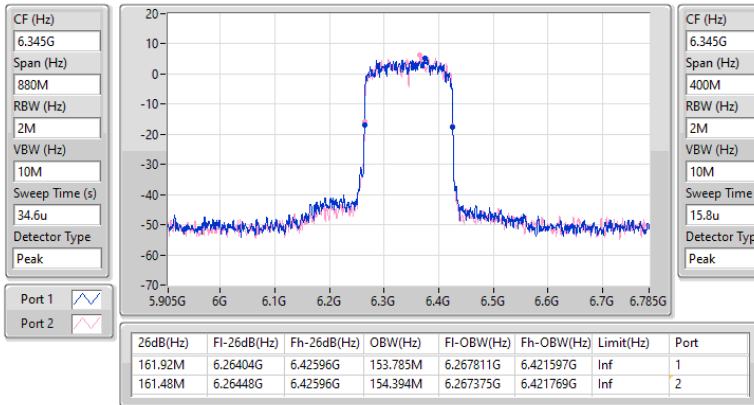


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

EBW

6345MHz

27/11/2023

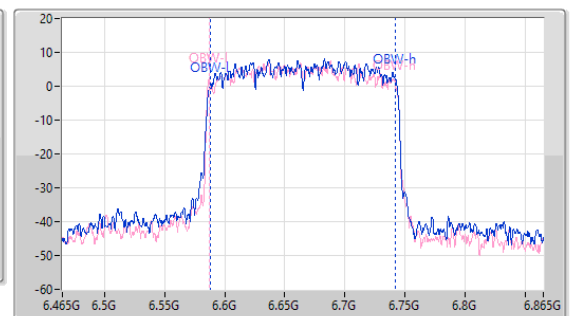
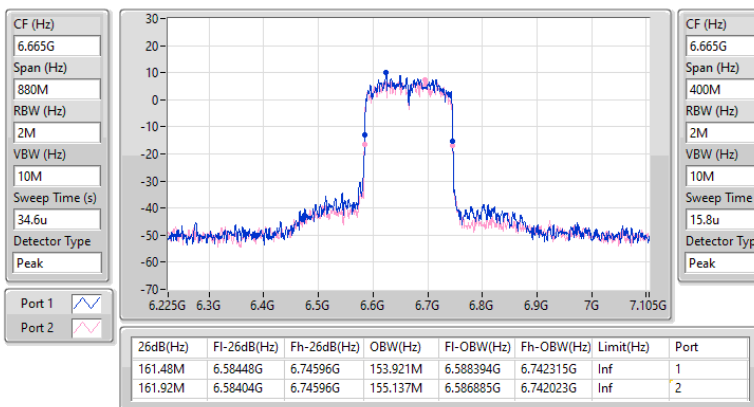


6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

EBW

6665MHz

27/11/2023



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP / EIRP [Phi 30°] (dBm)	EIRP / EIRP [Phi 30°] (W)
5.925-6.425GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	6.80	0.00479	35.50/9.29	3.54813/0.008492
802.11ax HEW40_Nss1,(MCS0)_2TX	7.23	0.00528	35.93/9.72	3.91742/0.009376
802.11ax HEW80_Nss1,(MCS0)_2TX	6.99	0.00500	35.69/9.48	3.70681/0.008872
802.11ax HEW160_Nss1,(MCS0)_2TX	7.19	0.00524	35.89/9.68	3.88150/0.009290
6.525-6.875GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	6.60	0.00457	35.30/8.62	3.38844/0.007278
802.11ax HEW40_Nss1,(MCS0)_2TX	7.17	0.00521	35.87/9.19	3.86367/0.008299
802.11ax HEW80_Nss1,(MCS0)_2TX	7.06	0.00508	35.76/9.08	3.76704/0.008091
802.11ax HEW160_Nss1,(MCS0)_2TX	6.98	0.00499	35.68/9.00	3.69828/0.007943

Result

Mode	Result	Directional Gain [Power] / Gain [Phi 30°] (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	EIRP / EIRP [Phi 30°] (dBm)	EIRP Limit / EIRP Limit [Phi 30°] (dBm)
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5955MHz	Pass	28.70/2.49	3.20	3.60	6.41	35.11/8.90	36.00/21.00
6195MHz	Pass	28.70/2.49	3.66	3.32	6.50	35.20/8.99	36.00/21.00
6415MHz	Pass	28.70/2.49	3.87	3.71	6.80	35.50/9.29	36.00/21.00
6535MHz	Pass	28.70/2.02	3.77	3.41	6.60	35.30/8.62	36.00/21.00
6695MHz	Pass	28.70/2.02	3.58	3.15	6.38	35.08/8.40	36.00/21.00
6855MHz	Pass	28.70/2.02	4.03	3.00	6.56	35.26/8.58	36.00/21.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5965MHz	Pass	28.70/2.49	3.77	4.15	6.97	35.67/9.46	36.00/21.00
6205MHz	Pass	28.70/2.49	4.32	3.99	7.17	35.87/9.66	36.00/21.00
6405MHz	Pass	28.70/2.49	4.32	4.11	7.23	35.93/9.72	36.00/21.00
6565MHz	Pass	28.70/2.02	4.09	4.22	7.17	35.87/9.19	36.00/21.00
6685MHz	Pass	28.70/2.02	4.15	3.78	6.98	35.68/9.00	36.00/21.00
6845MHz	Pass	28.70/2.02	4.59	3.41	7.05	35.75/9.07	36.00/21.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5985MHz	Pass	28.70/2.49	3.67	4.26	6.99	35.69/9.48	36.00/21.00
6225MHz	Pass	28.70/2.49	4.01	3.67	6.85	35.55/9.34	36.00/21.00
6385MHz	Pass	28.70/2.49	3.81	3.82	6.83	35.53/9.32	36.00/21.00
6625MHz	Pass	28.70/2.02	3.88	3.73	6.82	35.52/8.84	36.00/21.00
6705MHz	Pass	28.70/2.02	4.23	3.78	7.02	35.72/9.04	36.00/21.00
6785MHz	Pass	28.70/2.02	4.48	3.58	7.06	35.76/9.08	36.00/21.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
6025MHz	Pass	28.70/2.49	4.09	4.27	7.19	35.89/9.68	36.00/21.00
6185MHz	Pass	28.70/2.49	4.34	3.94	7.15	35.85/9.64	36.00/21.00
6345MHz	Pass	28.70/2.49	4.16	4.13	7.16	35.86/9.65	36.00/21.00
6665MHz	Pass	28.70/2.02	4.09	3.84	6.98	35.68/9.00	36.00/21.00

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

Summary

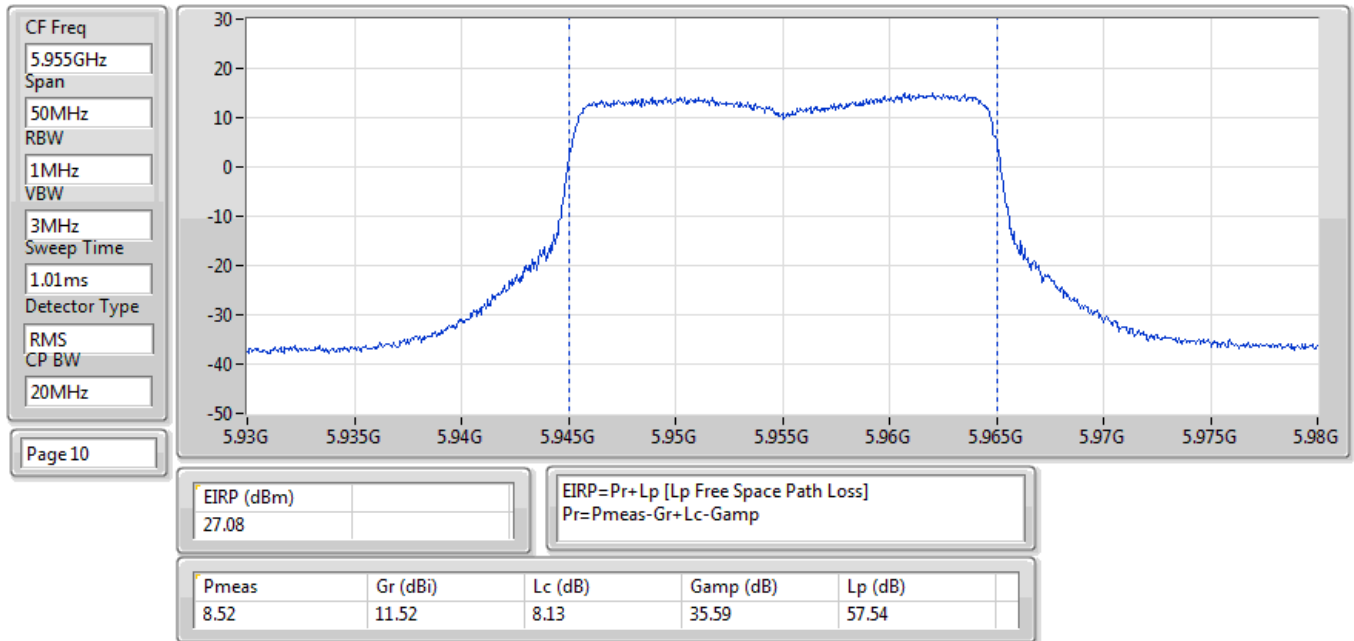
Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	28.12	0.64863
802.11ax HEW40_Nss1,(MCS0)_2TX	28.79	0.75683
802.11ax HEW80_Nss1,(MCS0)_2TX	28.23	0.66527
802.11ax HEW160_Nss1,(MCS0)_2TX	29.84	0.96383
6.525-6.875GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	31.42	1.38676
802.11ax HEW40_Nss1,(MCS0)_2TX	31.33	1.35831
802.11ax HEW80_Nss1,(MCS0)_2TX	31.84	1.52757
802.11ax HEW160_Nss1,(MCS0)_2TX	31.13	1.29718

Result

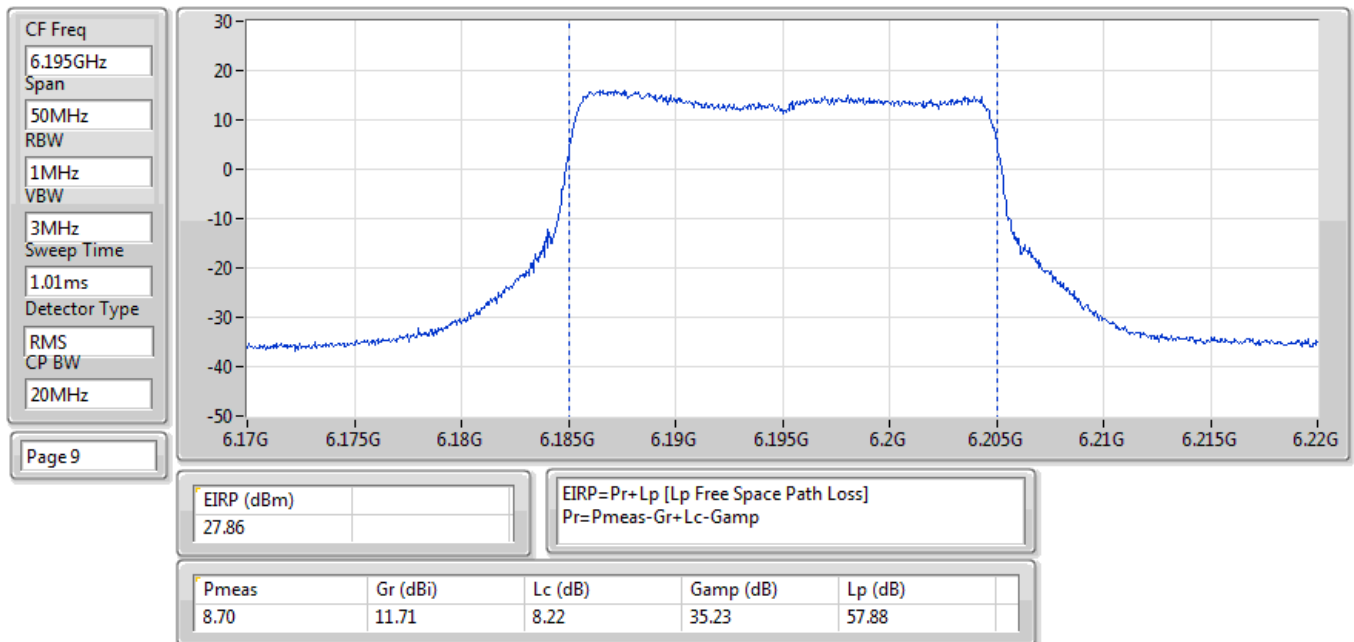
Mode	Result	Radiated EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-
5955MHz	Pass	27.08	36.00
6195MHz	Pass	27.86	36.00
6415MHz	Pass	28.12	36.00
6535MHz	Pass	30.52	36.00
6695MHz	Pass	30.86	36.00
6855MHz	Pass	31.42	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-
5965MHz	Pass	27.69	36.00
6205MHz	Pass	28.52	36.00
6405MHz	Pass	28.79	36.00
6565MHz	Pass	30.66	36.00
6685MHz	Pass	31.33	36.00
6845MHz	Pass	30.41	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-
5985MHz	Pass	27.89	36.00
6225MHz	Pass	28.23	36.00
6385MHz	Pass	28.11	36.00
6625MHz	Pass	31.11	36.00
6705MHz	Pass	31.49	36.00
6785MHz	Pass	31.84	36.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-
6025MHz	Pass	27.74	36.00
6185MHz	Pass	28.75	36.00
6345MHz	Pass	29.84	36.00
6665MHz	Pass	31.13	36.00

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

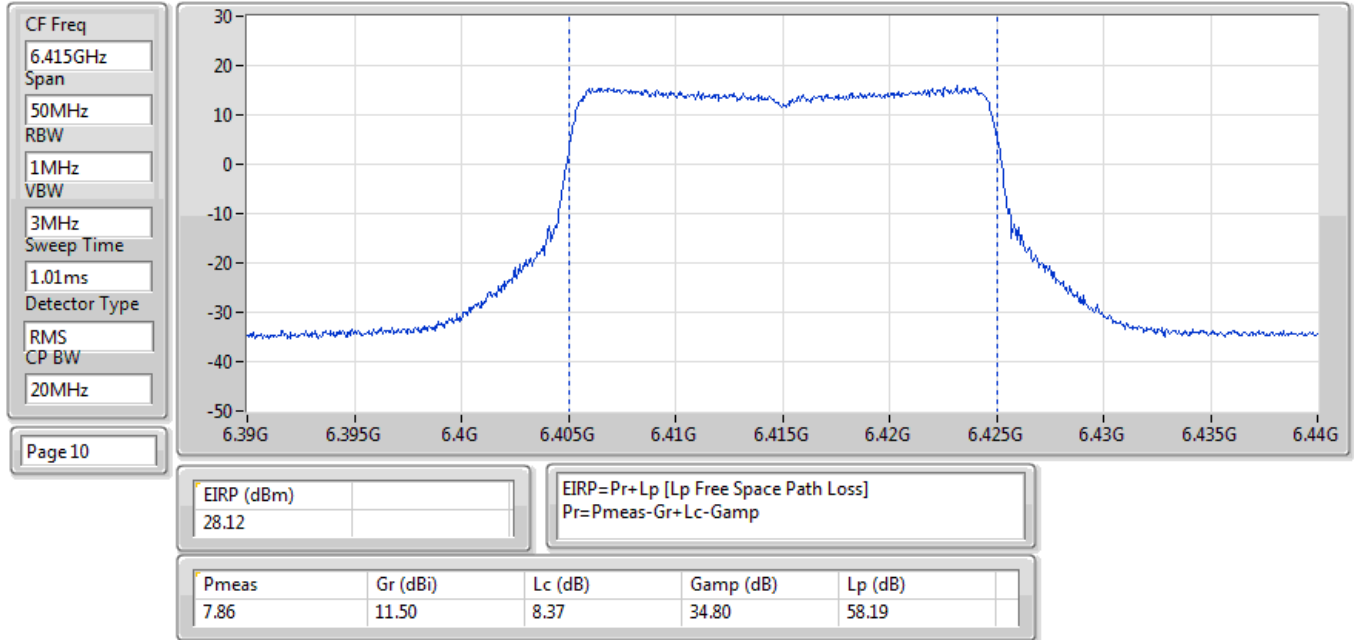
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:5955MHz;TX



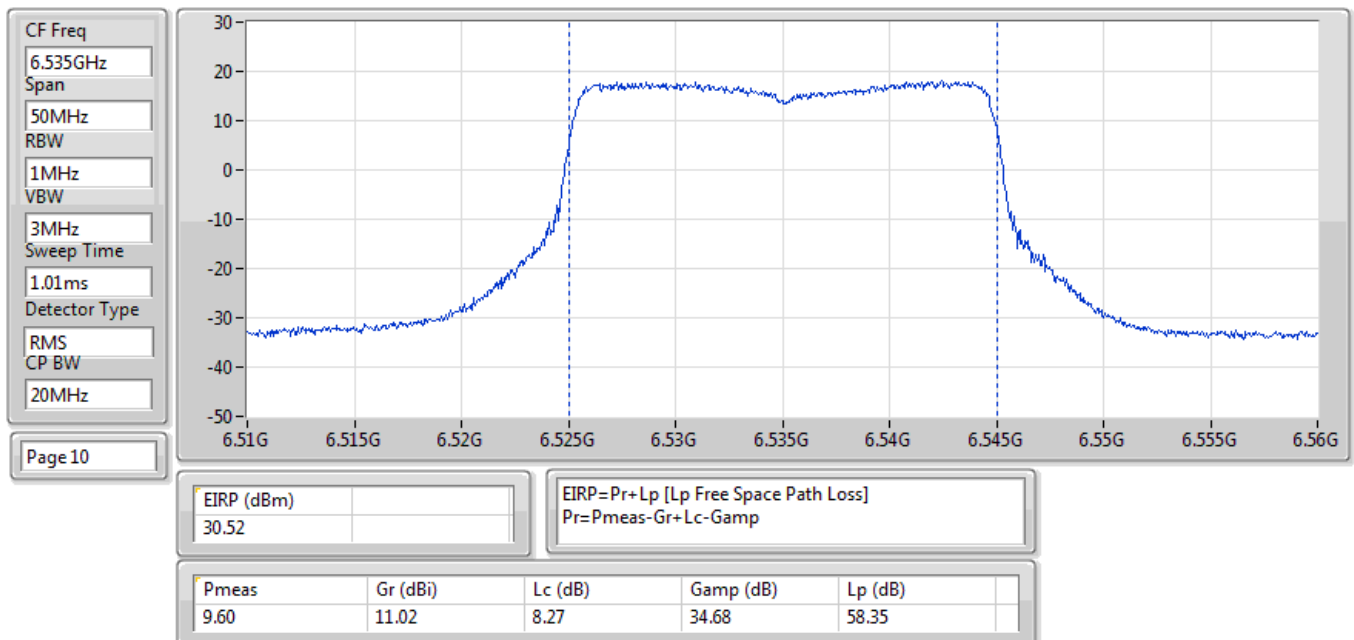
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6195MHz;TX



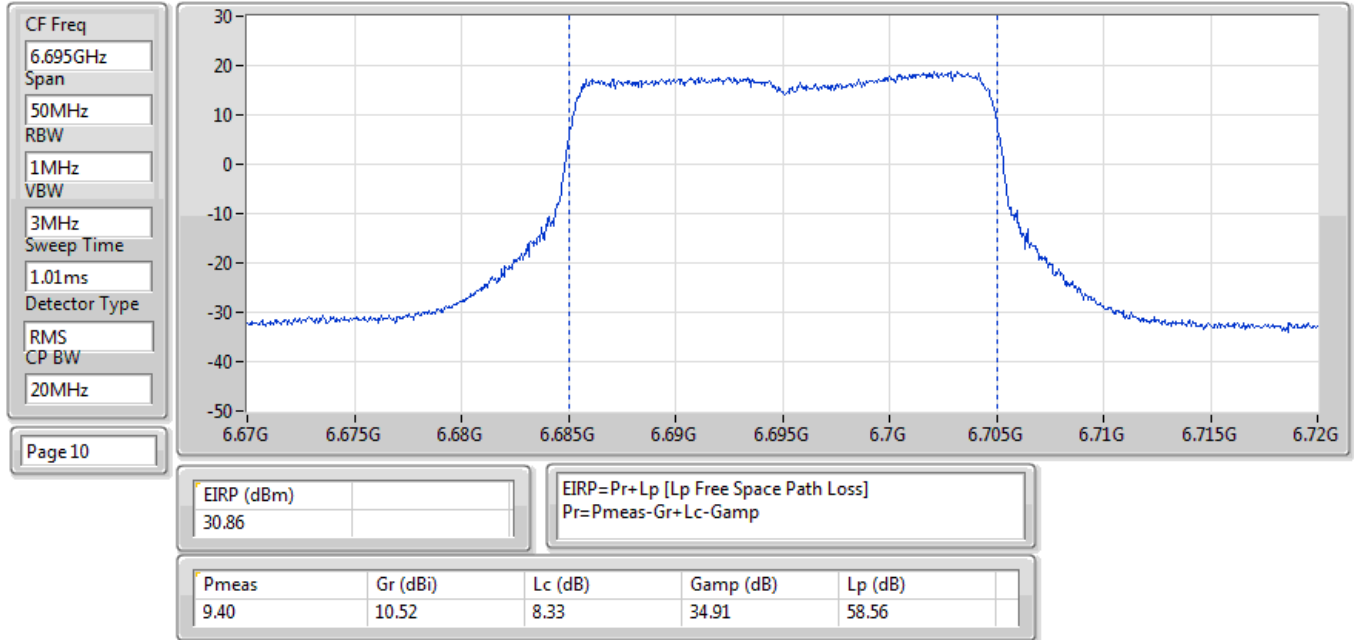
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6415MHz;TX



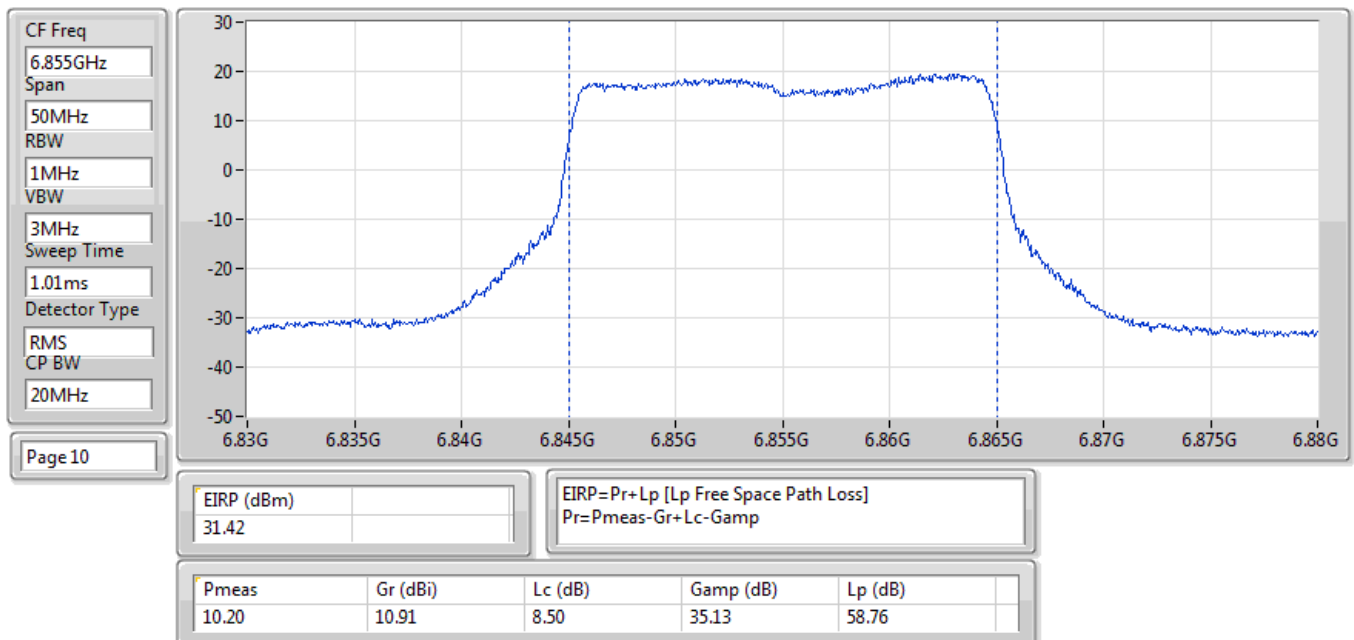
EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6535MHz;TX

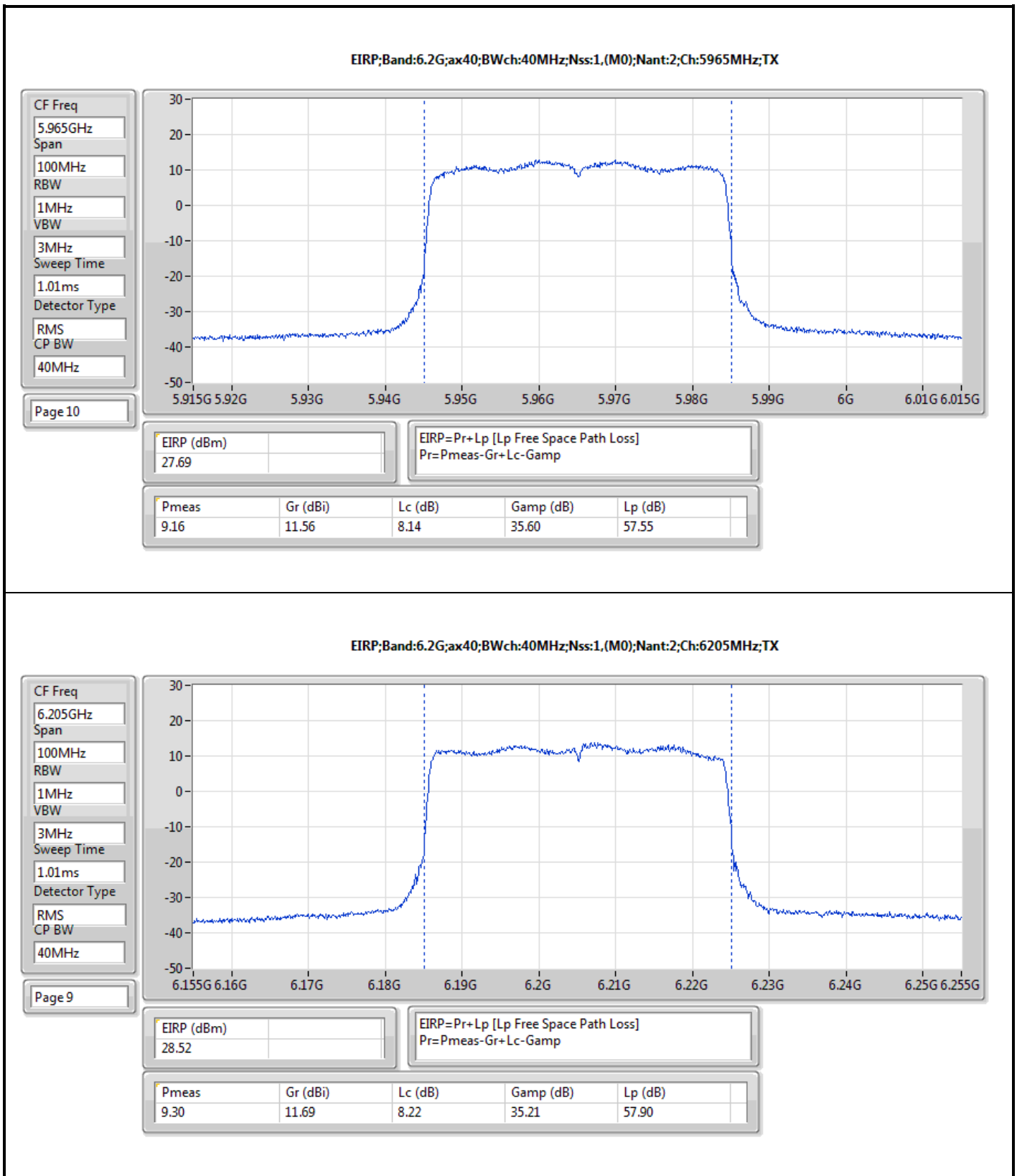


EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6695MHz;TX

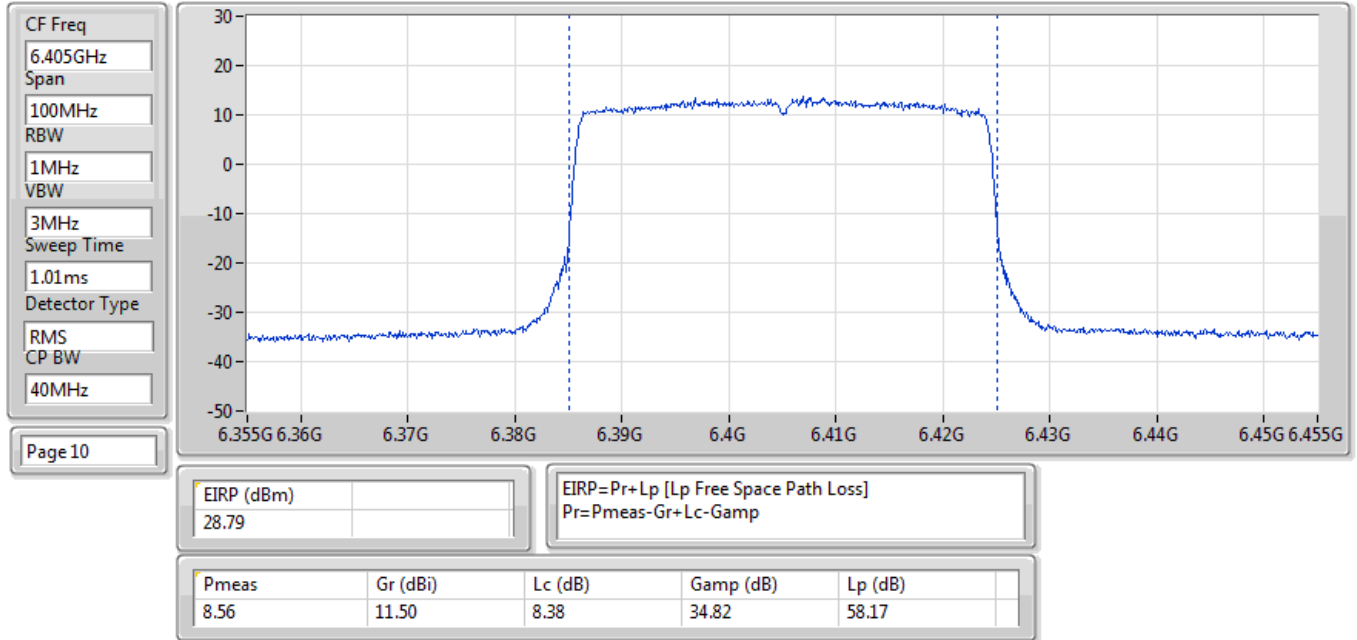


EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6855MHz;TX

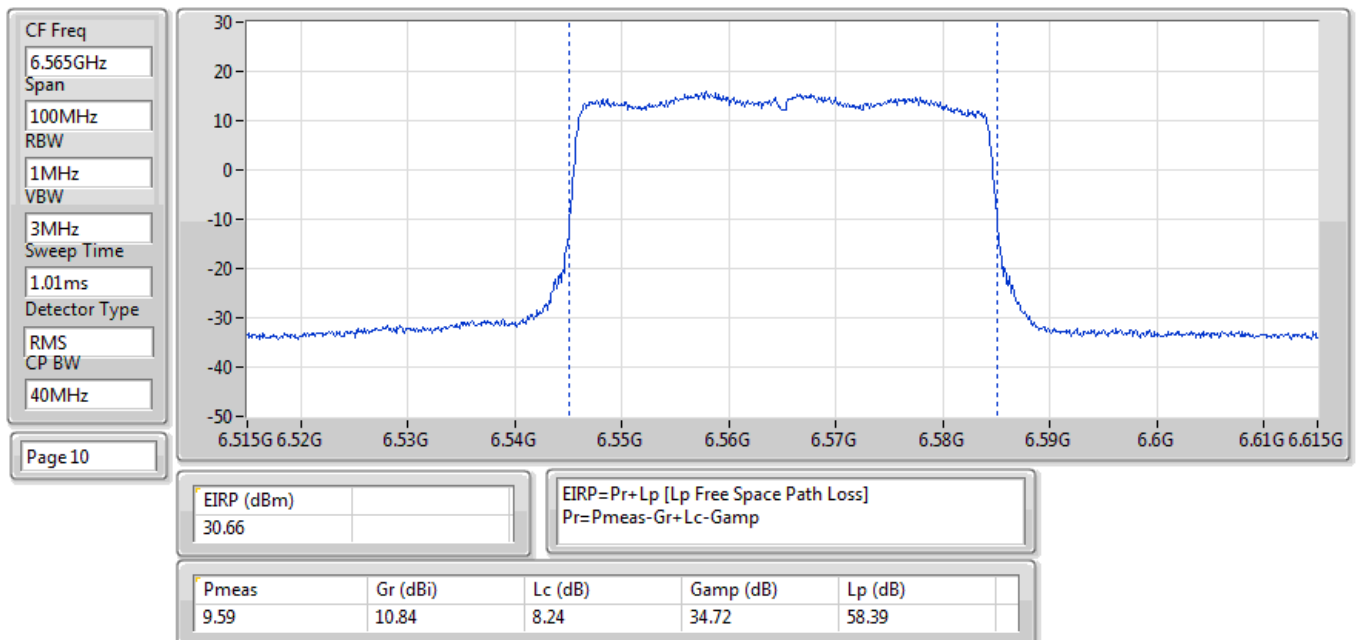


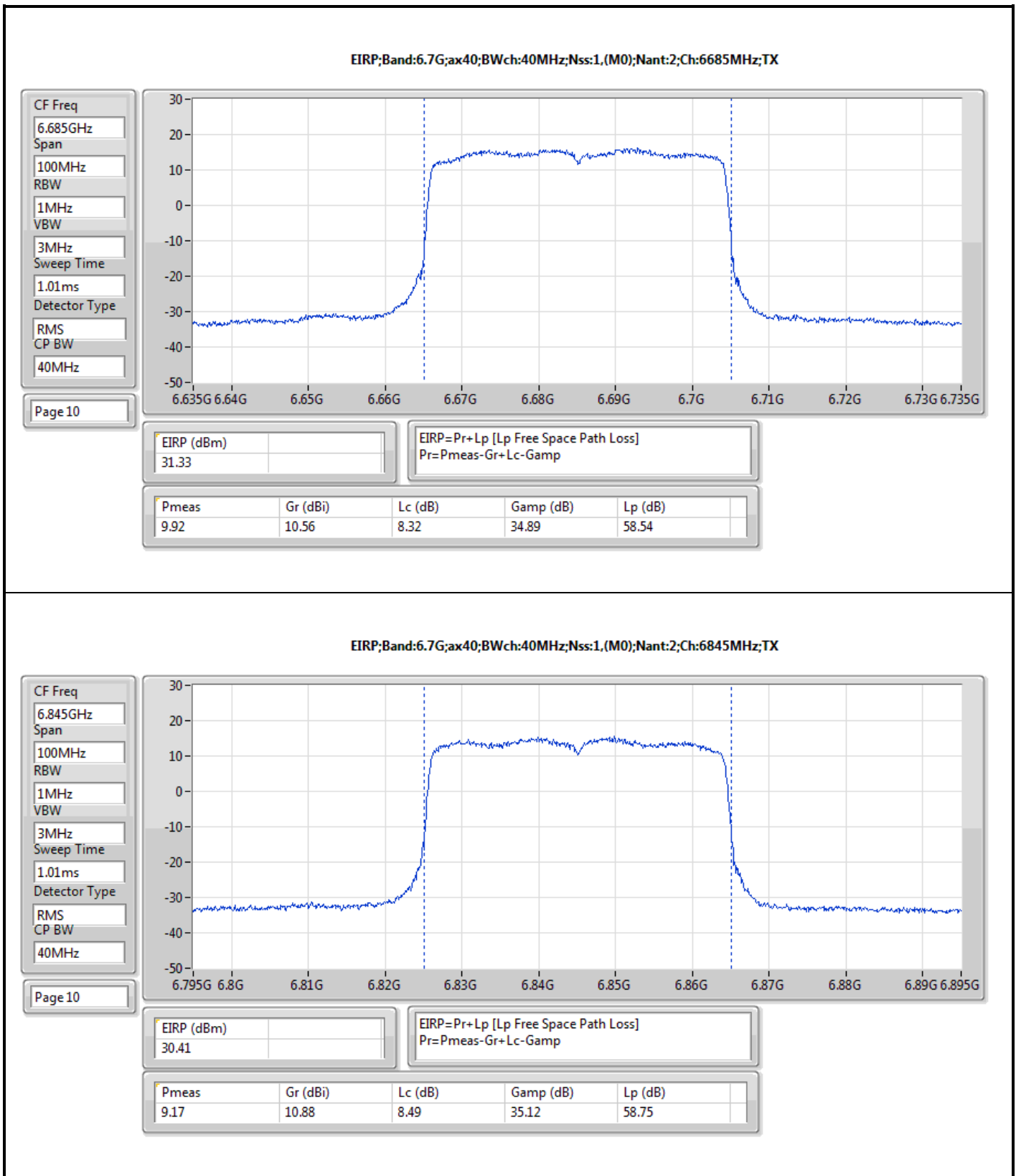


EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6405MHz;TX

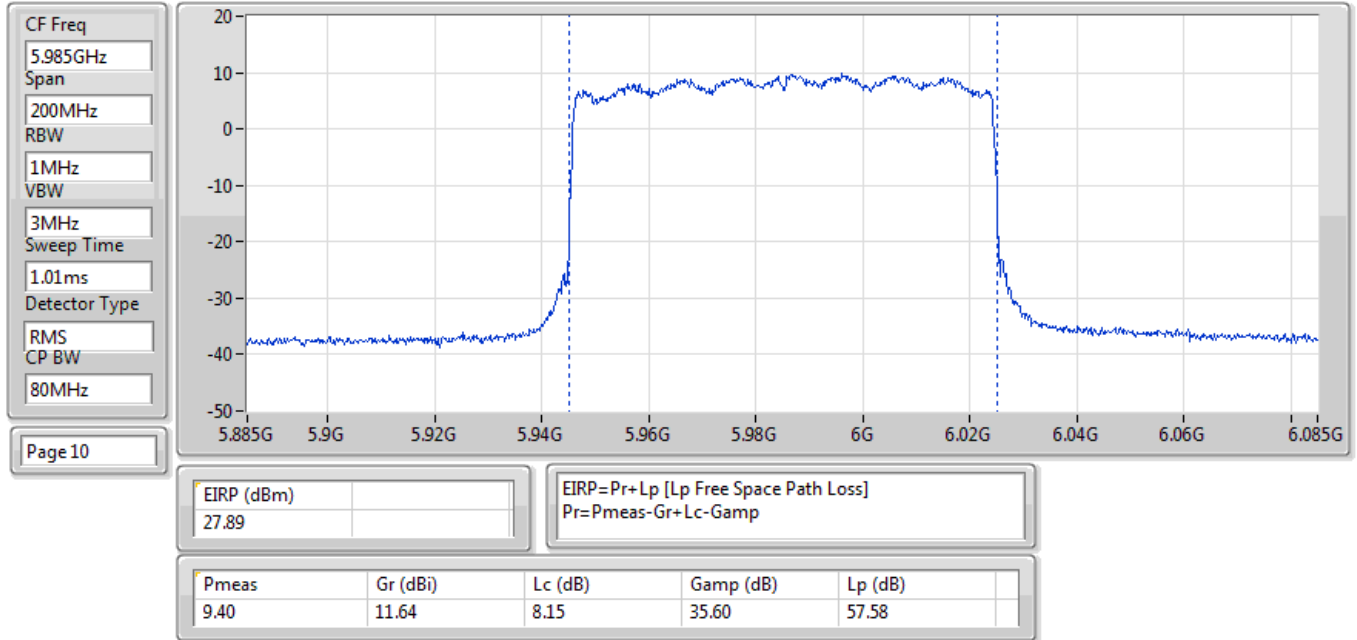


EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6565MHz;TX

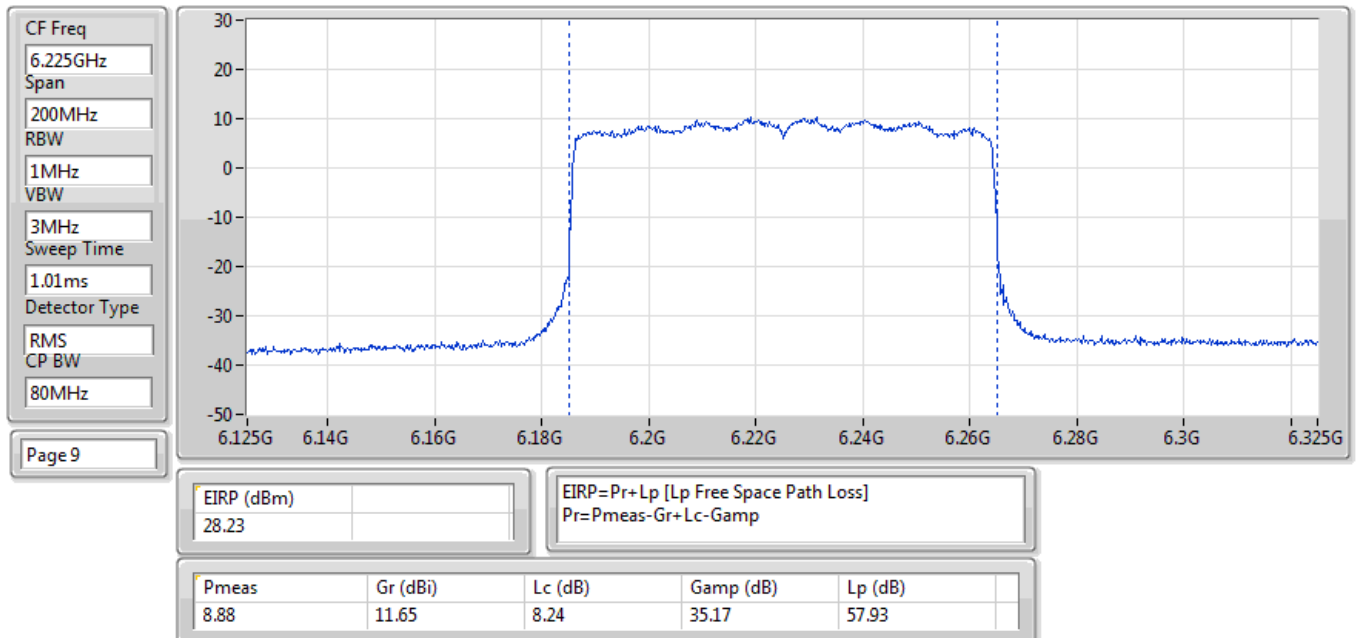


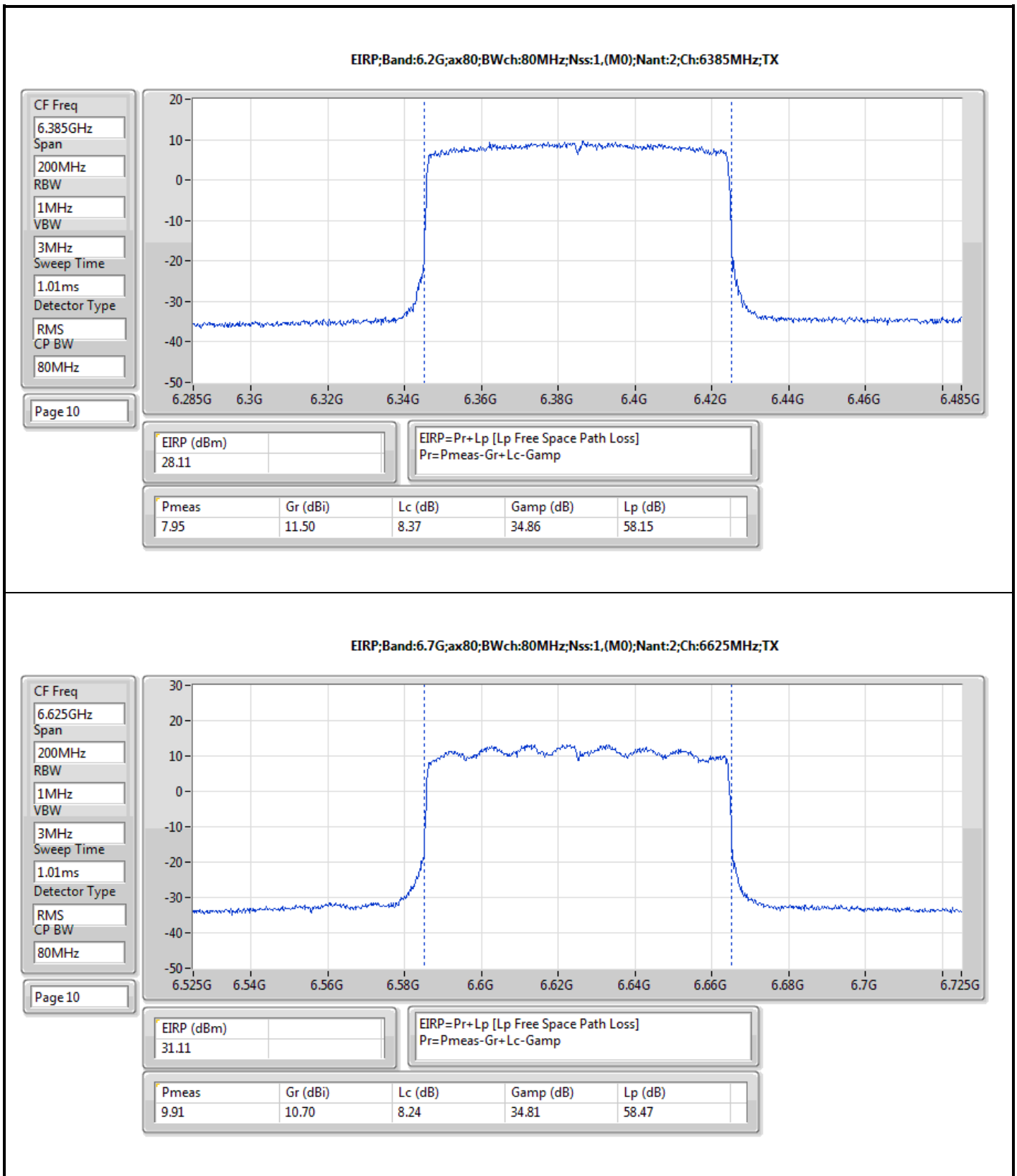


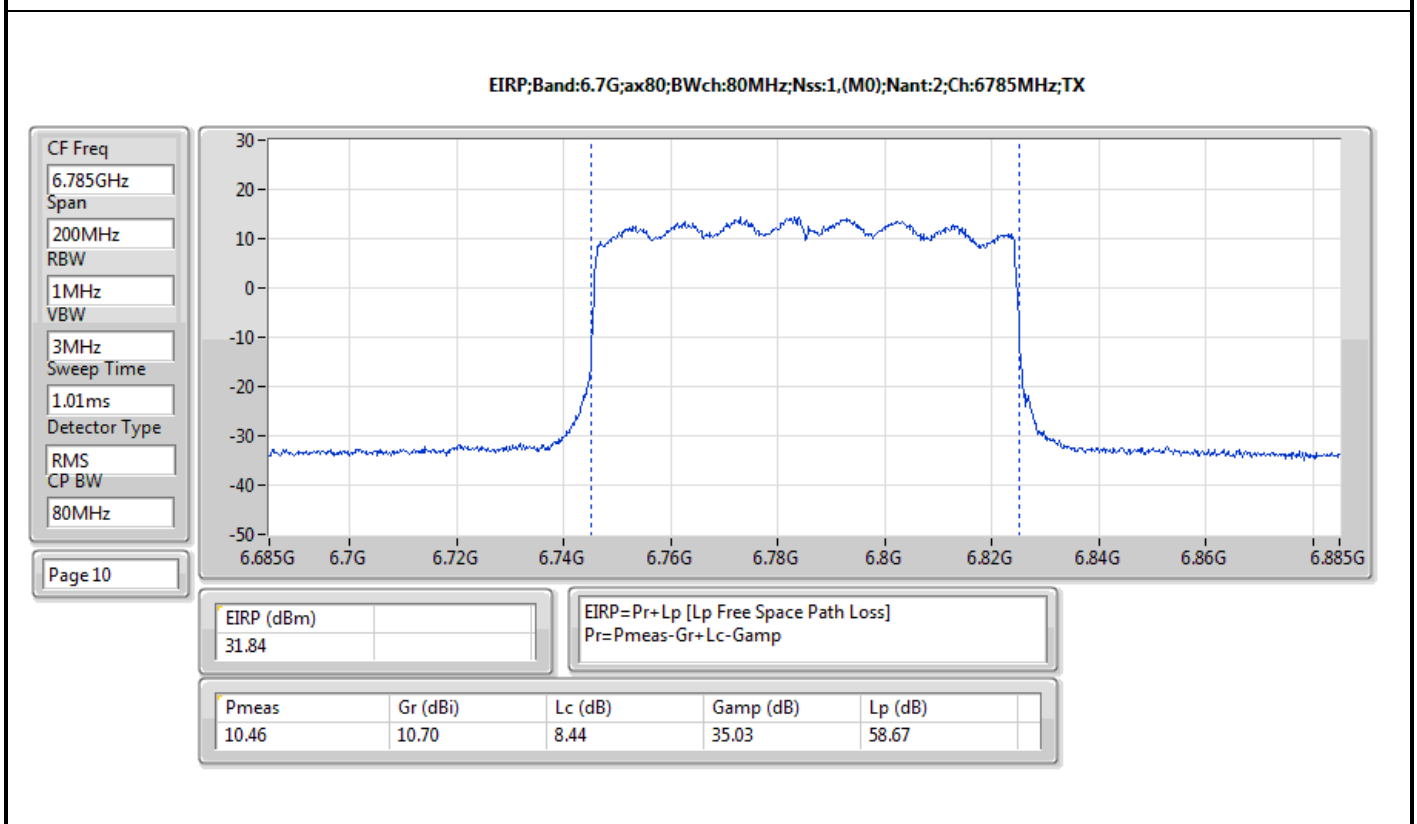
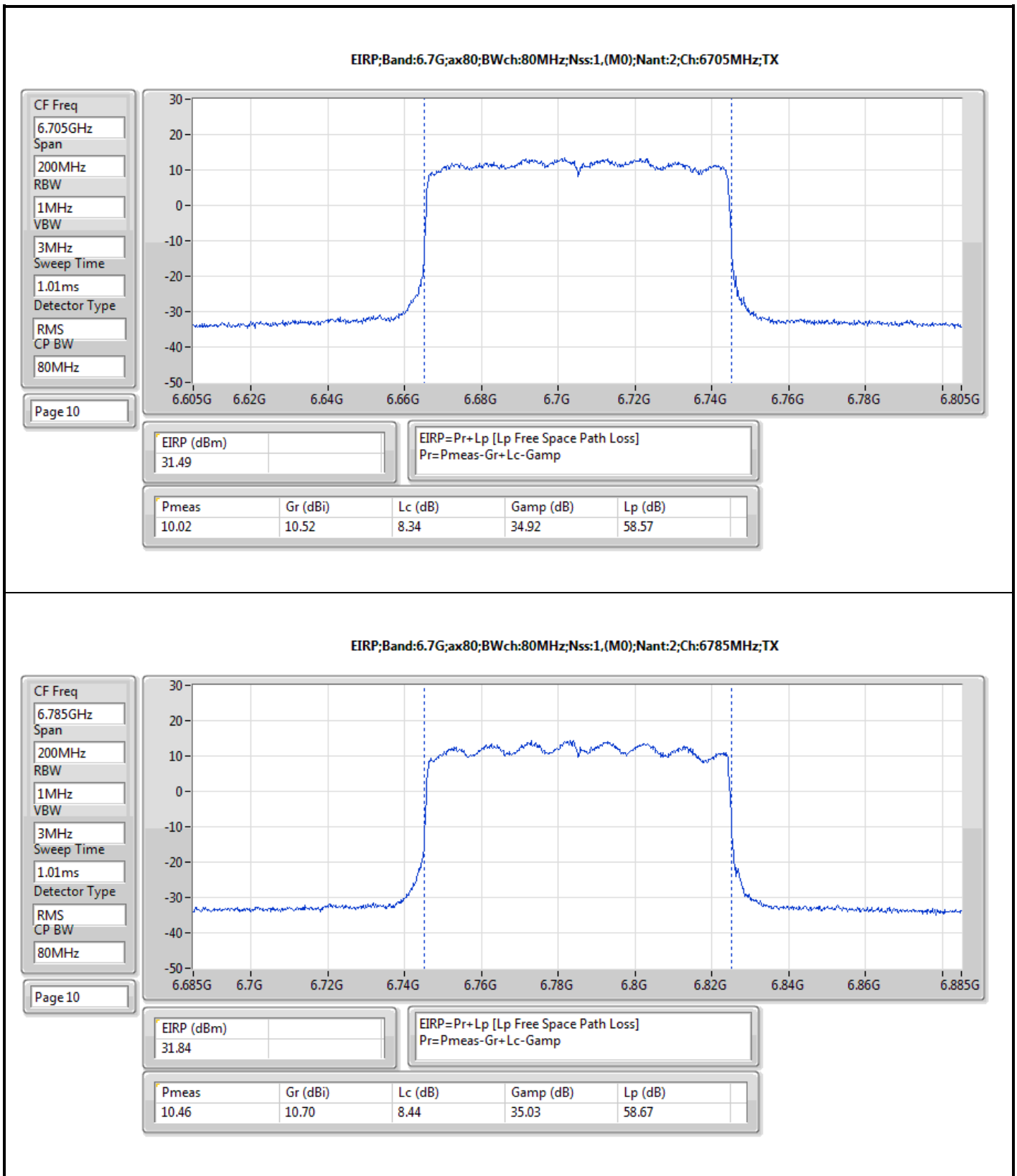
EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:5985MHz;TX



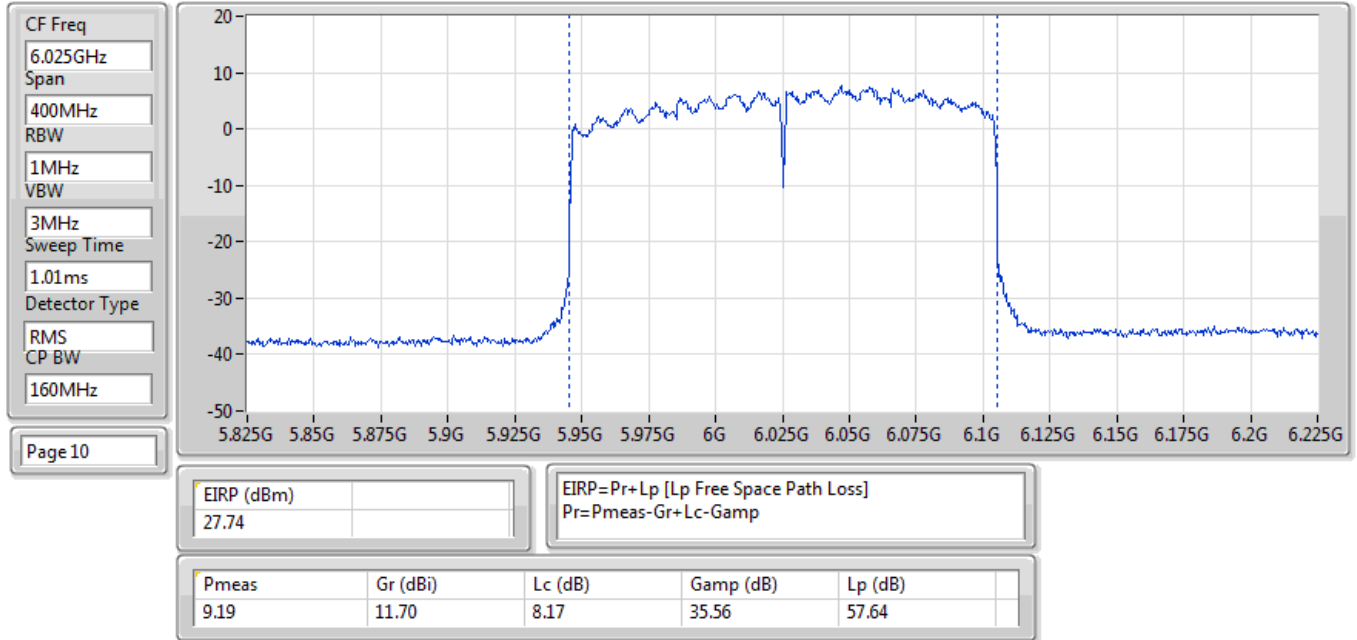
EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6225MHz;TX



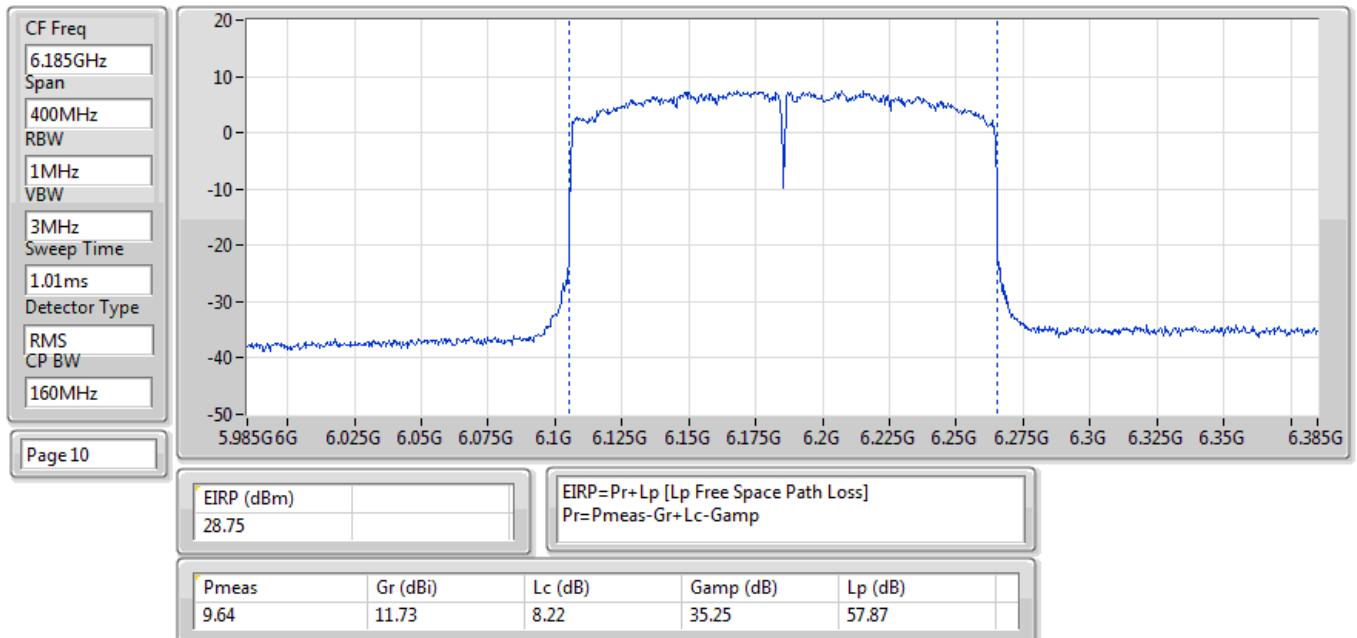




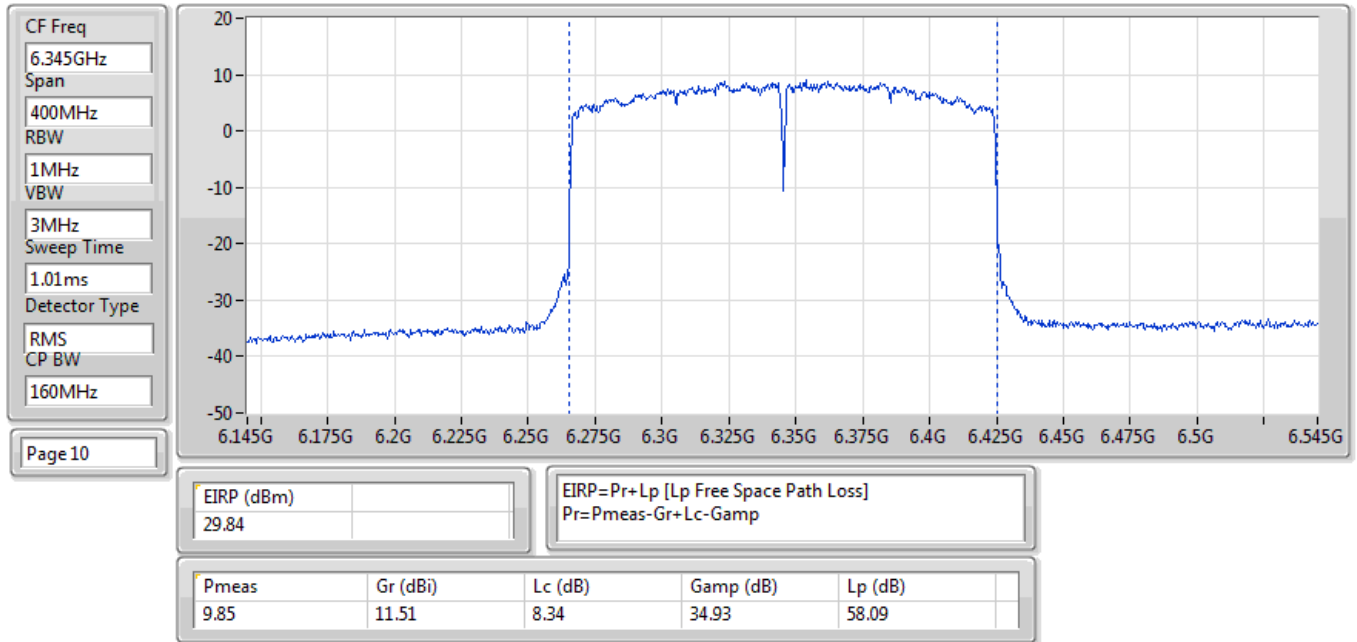
EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6025MHz;TX



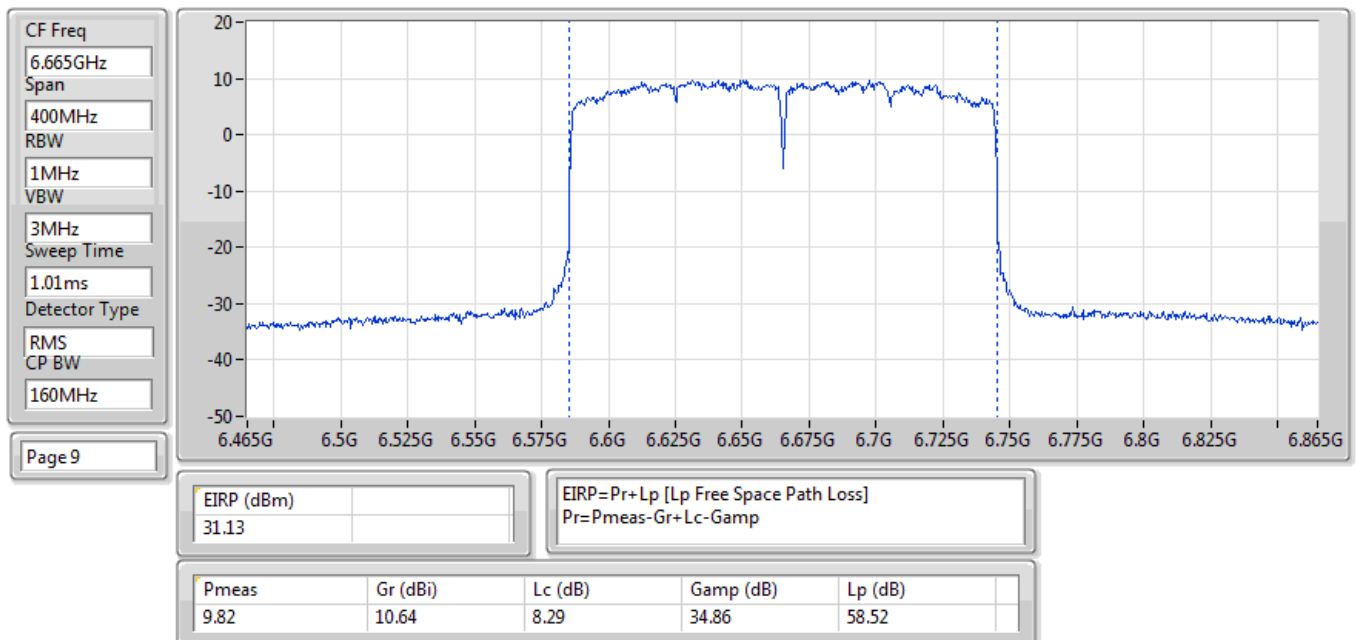
EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6185MHz;TX



EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6345MHz;TX



EIRP;Band:6.7G;ax160;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6665MHz;TX





Average Power-E.I.R.P. at any elevation angle above 30 degrees
_Sector Antenna

Appendix C.3

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] (W)
5.925-6.425GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	17.41	0.05508	20.71	0.117761
802.11ax HEW40_Nss1,(MCS0)_2TX	17.31	0.05383	20.61	0.115080
802.11ax HEW80_Nss1,(MCS0)_2TX	17.46	0.05572	20.76	0.119124
802.11ax HEW160_Nss1,(MCS0)_2TX	17.61	0.05768	20.91	0.123310
6.525-6.875GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	20.01	0.10023	20.99	0.125603
802.11ax HEW40_Nss1,(MCS0)_2TX	19.82	0.09594	20.80	0.120226
802.11ax HEW80_Nss1,(MCS0)_2TX	19.87	0.09705	20.85	0.121619
802.11ax HEW160_Nss1,(MCS0)_2TX	19.67	0.09268	20.65	0.116145



Average Power-E.I.R.P. at any elevation angle above 30 degrees
_Sector Antenna

Appendix C.3

Result

Mode	Result	DG [Phi 30°] (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	EIRP [Phi 30°] (dBm)	EIRP Limit [Phi 30°] (dBm)
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5955MHz	Pass	3.30	14.39	14.23	17.32	20.62	21.00
6195MHz	Pass	3.30	14.32	14.26	17.30	20.60	21.00
6415MHz	Pass	3.30	14.37	14.42	17.41	20.71	21.00
6535MHz	Pass	0.98	16.95	16.90	19.94	20.92	21.00
6695MHz	Pass	0.98	17.16	16.79	19.99	20.97	21.00
6855MHz	Pass	0.98	17.08	16.92	20.01	20.99	21.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5965MHz	Pass	3.30	14.38	14.21	17.31	20.61	21.00
6205MHz	Pass	3.30	14.27	14.19	17.24	20.54	21.00
6405MHz	Pass	3.30	14.28	14.20	17.25	20.55	21.00
6565MHz	Pass	0.98	16.84	16.75	19.81	20.79	21.00
6685MHz	Pass	0.98	17.00	16.58	19.81	20.79	21.00
6845MHz	Pass	0.98	16.92	16.70	19.82	20.80	21.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5985MHz	Pass	3.30	14.60	14.30	17.46	20.76	21.00
6225MHz	Pass	3.30	14.31	14.23	17.28	20.58	21.00
6385MHz	Pass	3.30	14.50	14.19	17.36	20.66	21.00
6625MHz	Pass	0.98	16.74	16.36	19.56	20.54	21.00
6705MHz	Pass	0.98	16.98	16.73	19.87	20.85	21.00
6785MHz	Pass	0.98	16.81	16.65	19.74	20.72	21.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
6025MHz	Pass	3.30	14.72	14.47	17.61	20.91	21.00
6185MHz	Pass	3.30	14.43	14.69	17.57	20.87	21.00
6345MHz	Pass	3.30	14.60	14.60	17.61	20.91	21.00
6665MHz	Pass	0.98	17.08	16.19	19.67	20.65	21.00

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	-5.72	22.98
802.11ax HEW40_Nss1,(MCS0)_2TX	-8.53	20.17
802.11ax HEW80_Nss1,(MCS0)_2TX	-12.09	16.61
802.11ax HEW160_Nss1,(MCS0)_2TX	-14.74	13.96
6.525-6.875GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	-5.90	22.80
802.11ax HEW40_Nss1,(MCS0)_2TX	-8.74	19.96
802.11ax HEW80_Nss1,(MCS0)_2TX	-12.01	16.69
802.11ax HEW160_Nss1,(MCS0)_2TX	-14.91	13.79

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5955MHz	Pass	28.70	-9.42	-8.92	-6.17	22.53	23.00
6195MHz	Pass	28.70	-8.86	-9.10	-6.03	22.67	23.00
6415MHz	Pass	28.70	-8.60	-8.80	-5.72	22.98	23.00
6535MHz	Pass	28.70	-8.72	-9.00	-5.90	22.80	23.00
6695MHz	Pass	28.70	-8.85	-9.36	-6.14	22.56	23.00
6855MHz	Pass	28.70	-8.49	-9.56	-6.00	22.70	23.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5965MHz	Pass	28.70	-12.09	-11.68	-8.90	19.80	23.00
6205MHz	Pass	28.70	-11.47	-11.78	-8.65	20.05	23.00
6405MHz	Pass	28.70	-11.43	-11.63	-8.53	20.17	23.00
6565MHz	Pass	28.70	-11.72	-11.71	-8.74	19.96	23.00
6685MHz	Pass	28.70	-11.67	-12.02	-8.85	19.85	23.00
6845MHz	Pass	28.70	-11.25	-12.39	-8.83	19.87	23.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5985MHz	Pass	28.70	-15.35	-14.78	-12.09	16.61	23.00
6225MHz	Pass	28.70	-14.96	-15.38	-12.18	16.52	23.00
6385MHz	Pass	28.70	-15.30	-15.15	-12.26	16.44	23.00
6625MHz	Pass	28.70	-15.14	-15.44	-12.30	16.40	23.00
6705MHz	Pass	28.70	-14.74	-15.34	-12.02	16.68	23.00
6785MHz	Pass	28.70	-14.55	-15.48	-12.01	16.69	23.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
6025MHz	Pass	28.70	-17.95	-17.81	-14.92	13.78	23.00
6185MHz	Pass	28.70	-17.47	-17.98	-14.82	13.88	23.00
6345MHz	Pass	28.70	-17.58	-17.83	-14.74	13.96	23.00
6665MHz	Pass	28.70	-17.79	-18.02	-14.91	13.79	23.00

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

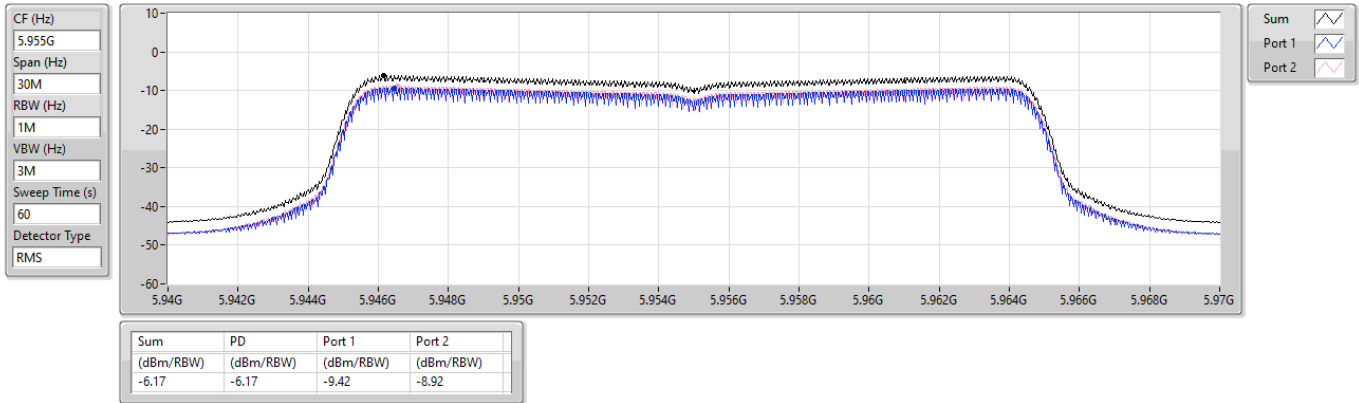
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

5.925-6.425GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

5955MHz

14/05/2024

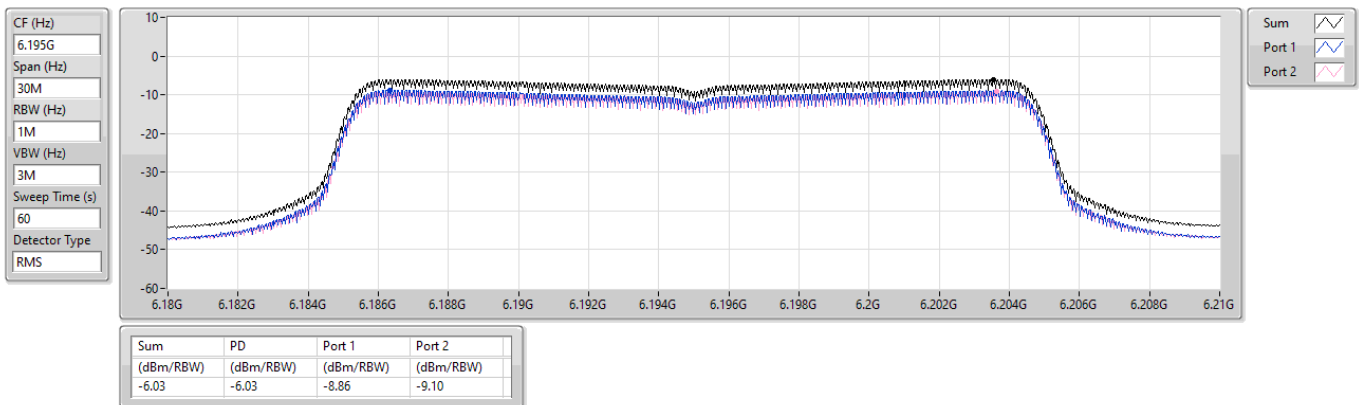


5.925-6.425GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

6195MHz

14/05/2024

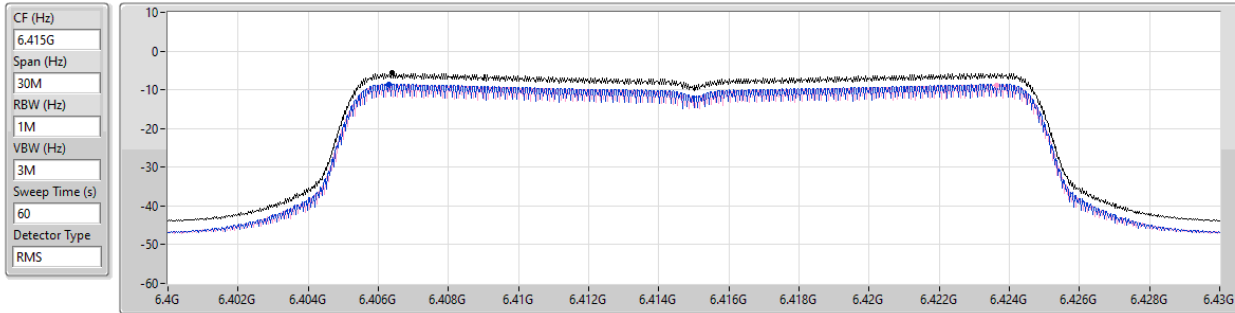


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

6415MHz

14/05/2024



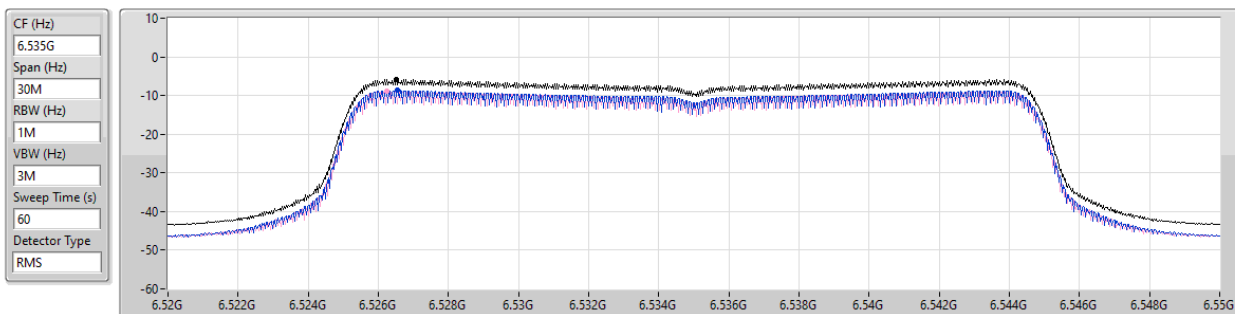
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-5.72	-5.72	-8.60	-8.80

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

6535MHz

14/05/2024



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-5.90	-5.90	-8.72	-9.00

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

6695MHz

14/05/2024

CF (Hz)
6.695G

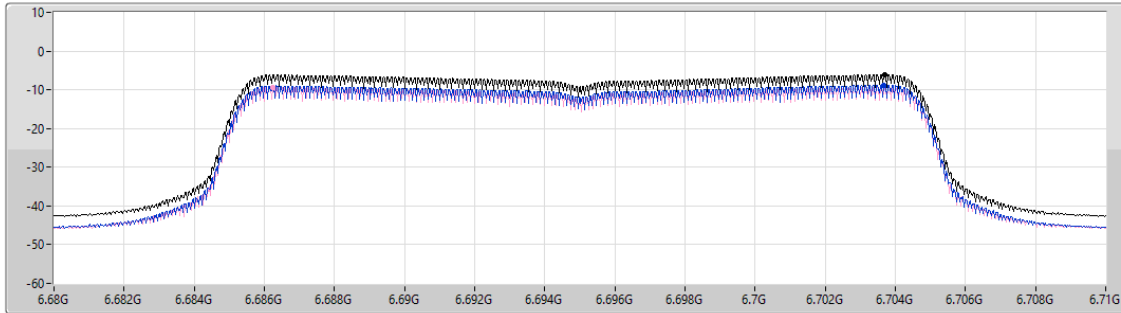
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
60

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.14	-6.14	-8.85	-9.36

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

6855MHz

14/05/2024

CF (Hz)
6.855G

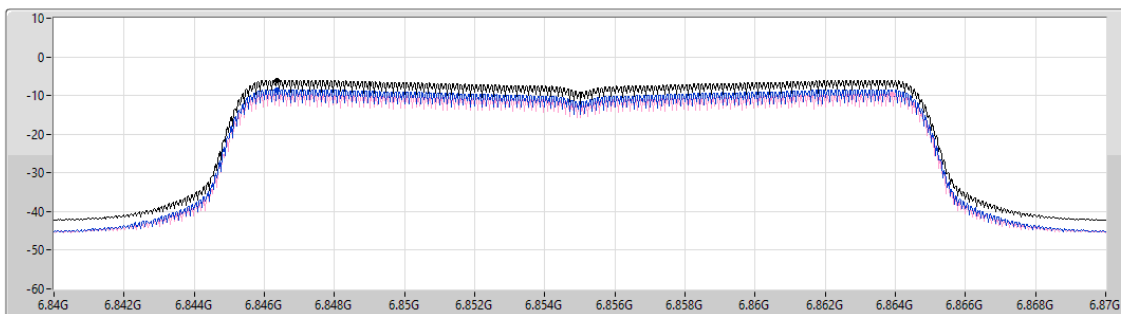
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
60

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.00	-6.00	-8.49	-9.56

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5965MHz

14/05/2024

CF (Hz)
5.965G

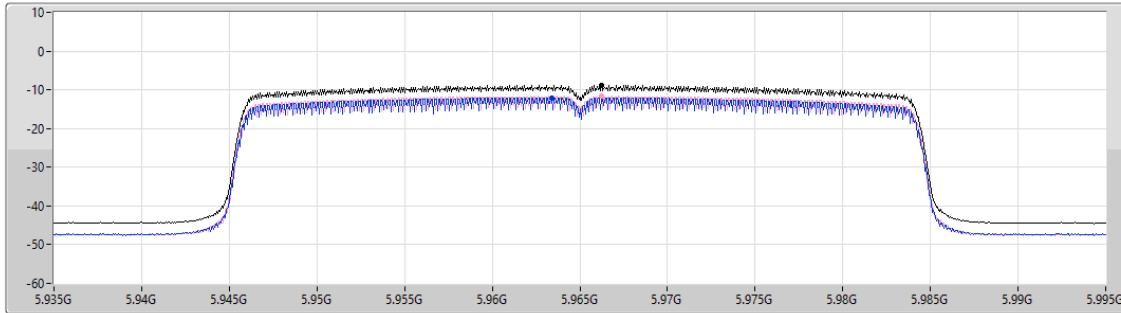
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
60

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.90	-8.90	-12.09	-11.68

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

6205MHz

14/05/2024

CF (Hz)
6.205G

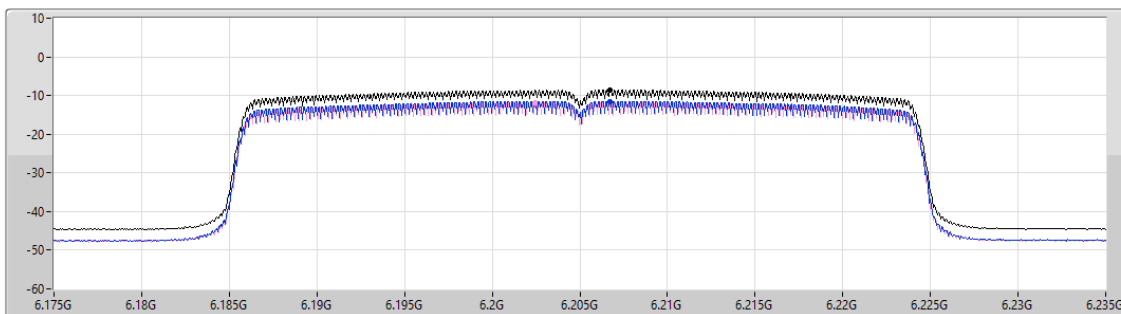
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
60

Detector Type
RMS



Sum 

Port 1 

Port 2 

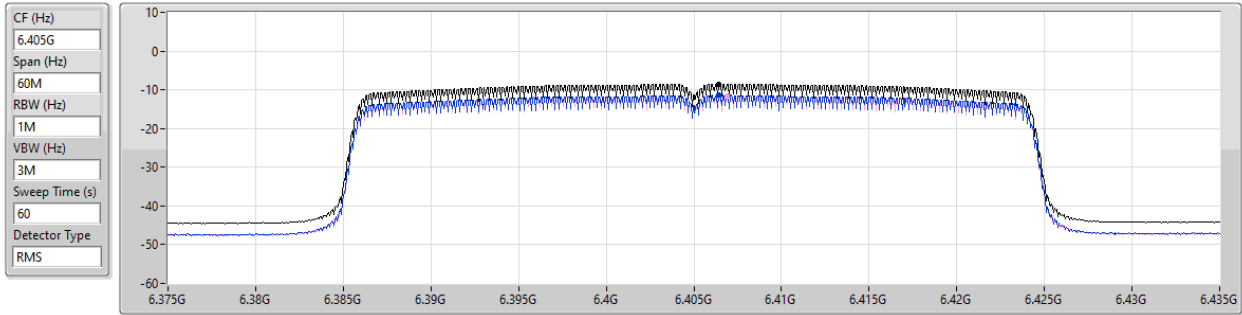
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.65	-8.65	-11.47	-11.78

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

6405MHz

14/05/2024



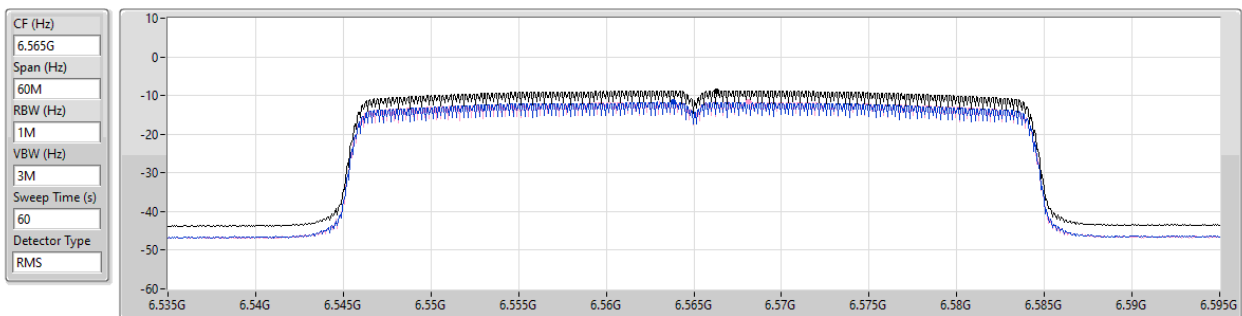
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.53	-8.53	-11.43	-11.63

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

6565MHz

14/05/2024



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.74	-8.74	-11.72	-11.71

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

6685MHz

14/05/2024

CF (Hz)
6.685G

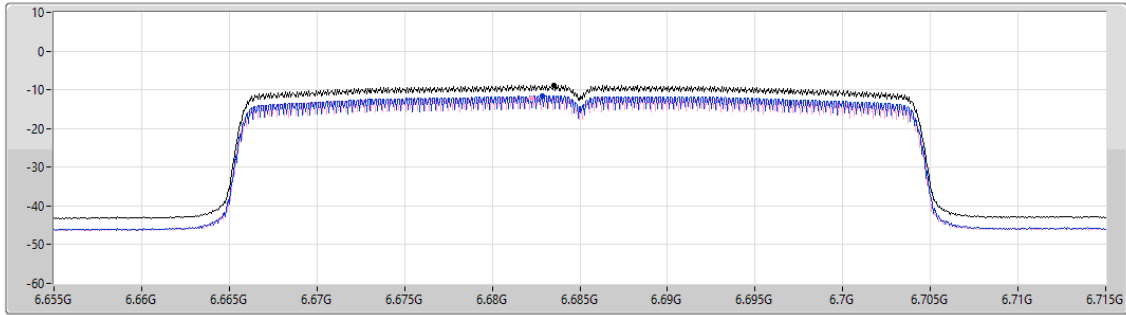
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
60

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.85	-8.85	-11.67	-12.02

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

6845MHz

14/05/2024

CF (Hz)
6.845G

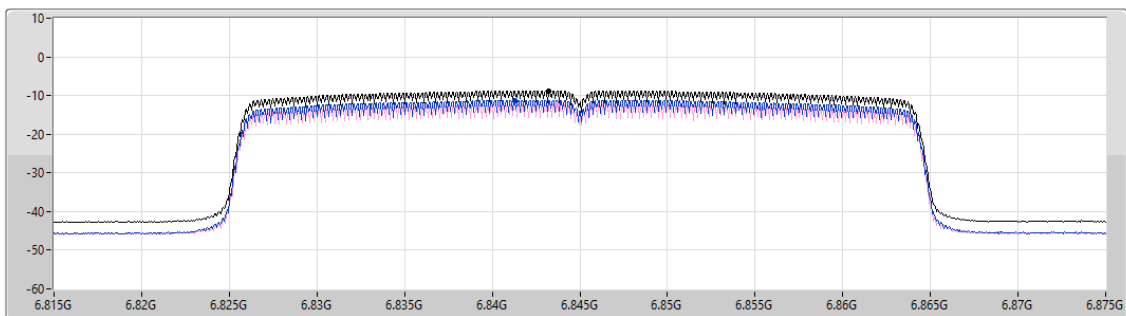
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
60

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

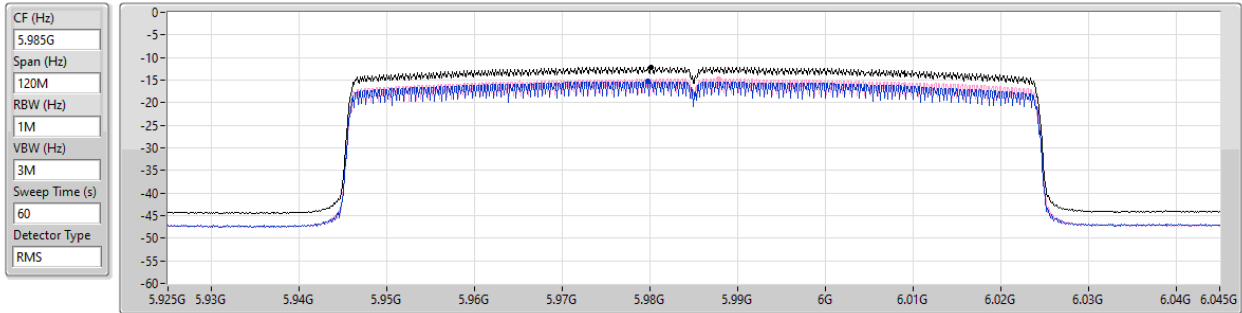
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.83	-8.83	-11.25	-12.39

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5985MHz

14/05/2024



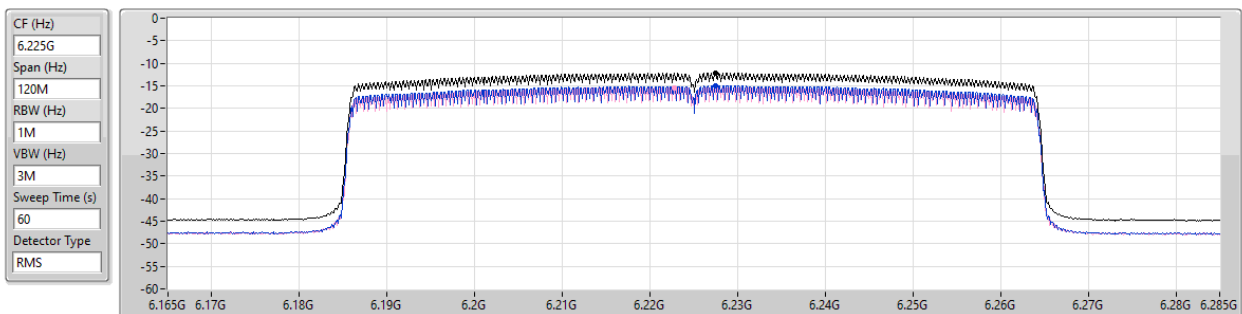
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.09	-12.09	-15.35	-14.78

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

6225MHz

14/05/2024



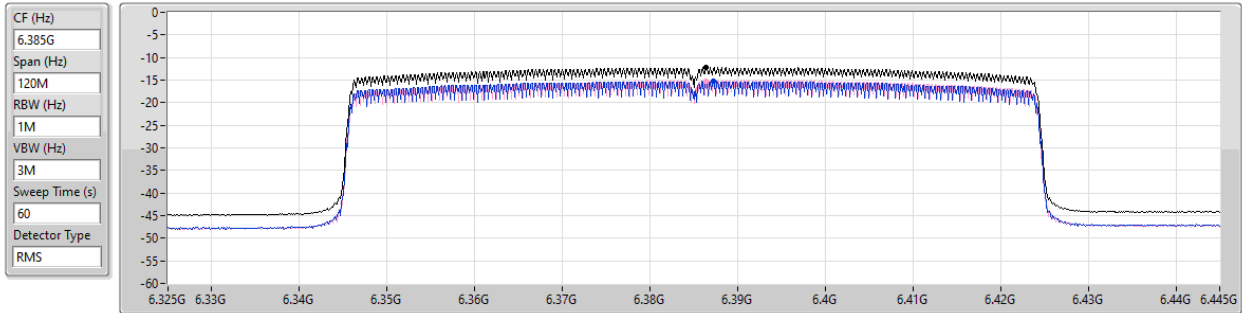
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.18	-12.18	-14.96	-15.38

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

6385MHz

14/05/2024



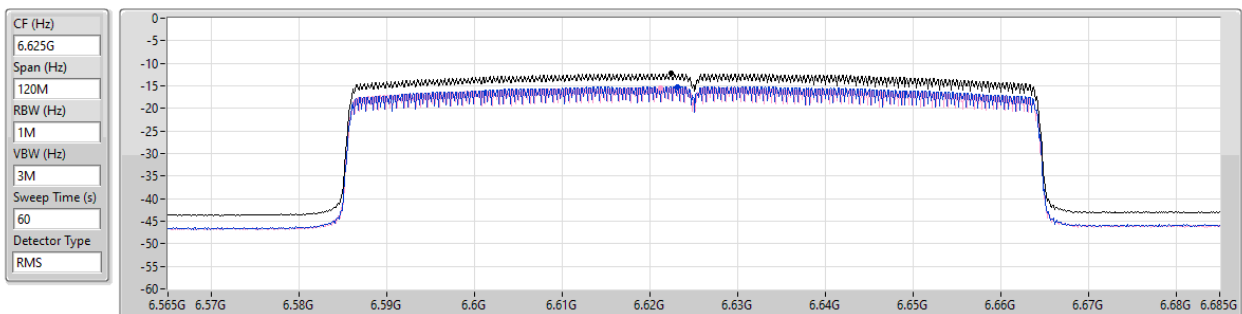
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.26	-12.26	-15.30	-15.15

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

6625MHz

14/05/2024



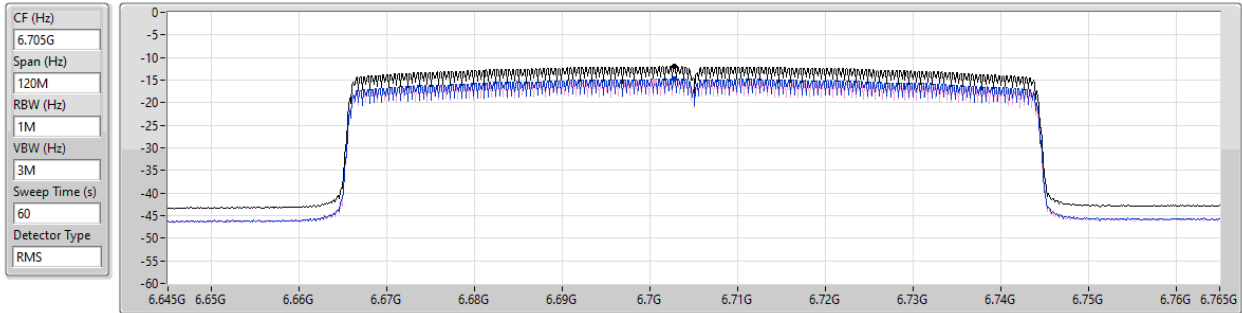
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.30	-12.30	-15.14	-15.44

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

6705MHz

14/05/2024



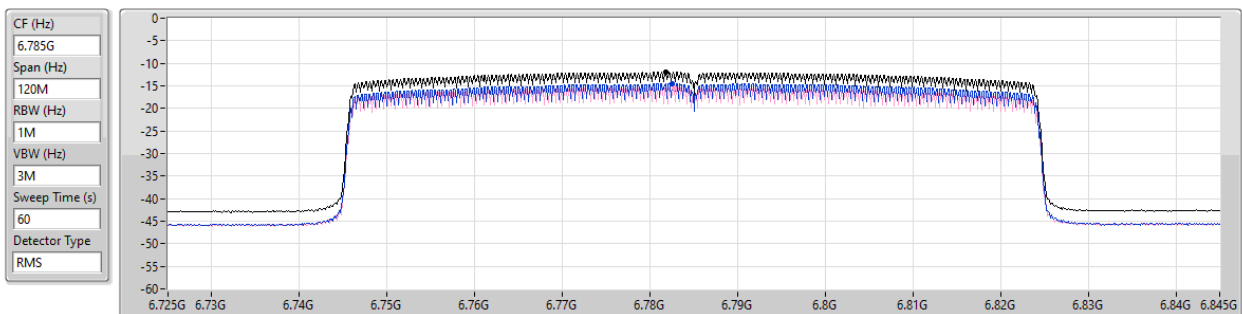
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.02	-12.02	-14.74	-15.34

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

6785MHz

14/05/2024



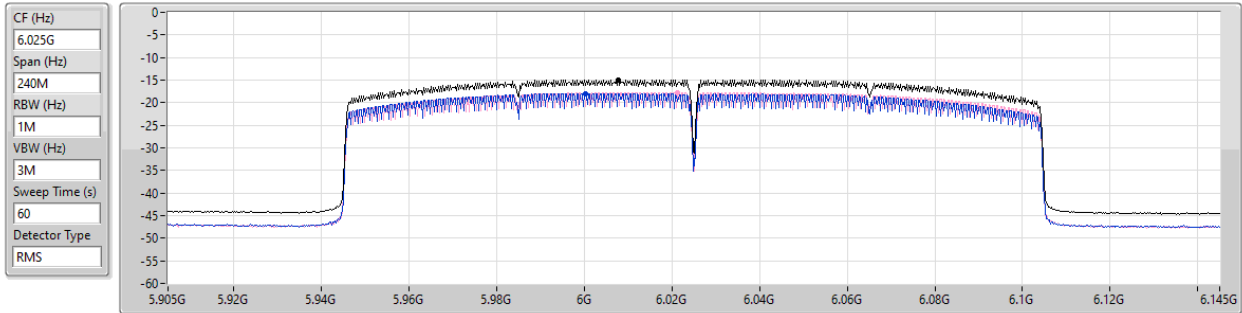
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.01	-12.01	-14.55	-15.48

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

PSD

6025MHz

14/05/2024



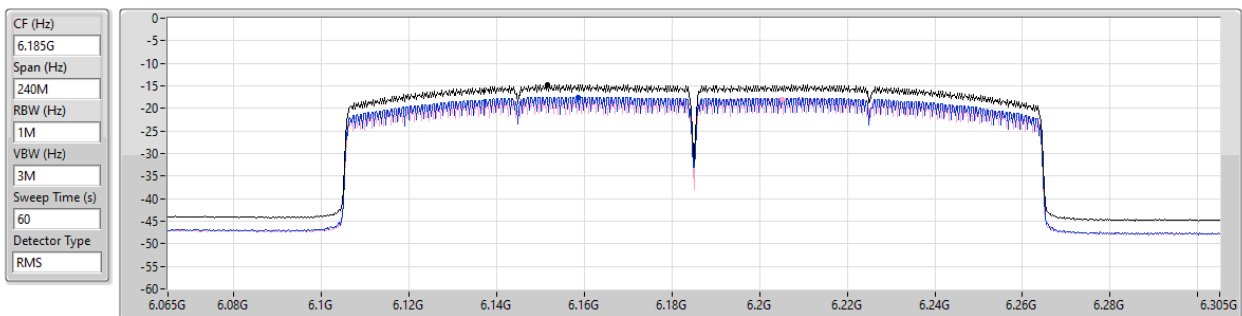
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.92	-14.92	-17.95	-17.81

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

PSD

6185MHz

14/05/2024



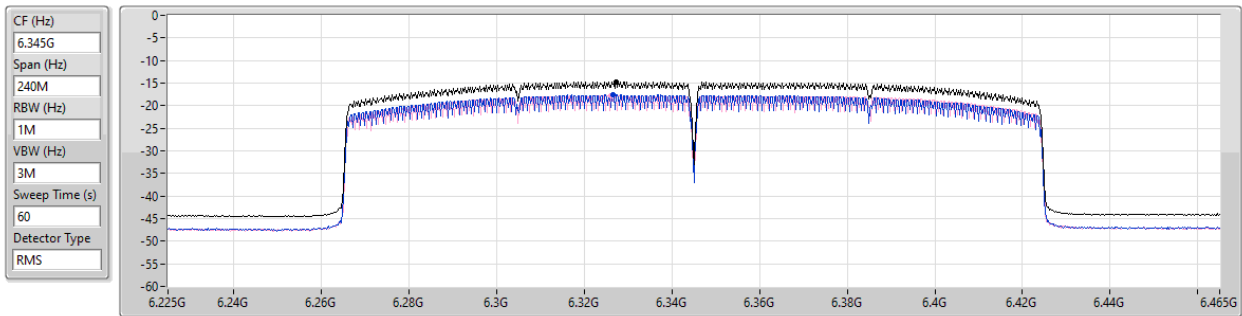
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.82	-14.82	-17.47	-17.98

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

PSD

6345MHz

14/05/2024



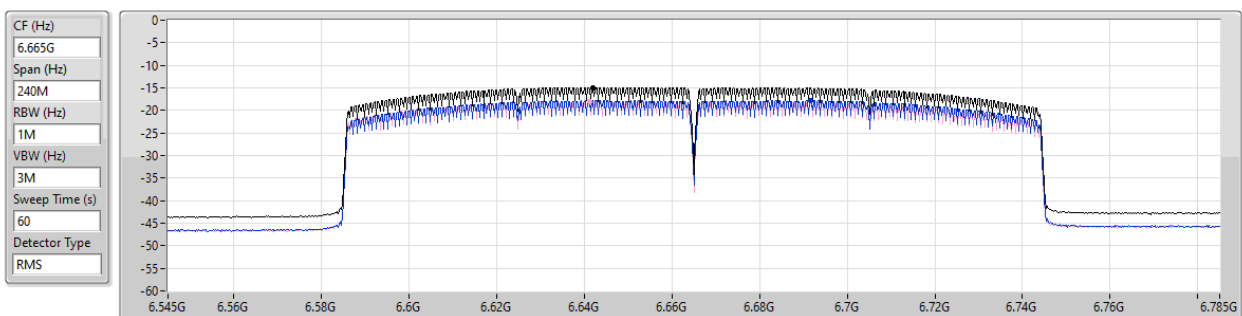
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-14.74	-14.74	-17.58	-17.83

6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

PSD

6665MHz

14/05/2024



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-14.91	-14.91	-17.79	-18.02

Summary

Mode	EIRP PD (dBm/RBW)
5.925-6.425GHz	-
802.11ax HEW20_Nss1,(MCS0)_2TX	15.92
802.11ax HEW40_Nss1,(MCS0)_2TX	13.28
802.11ax HEW80_Nss1,(MCS0)_2TX	9.62
802.11ax HEW160_Nss1,(MCS0)_2TX	8.30
6.525-6.875GHz	-
802.11ax HEW20_Nss1,(MCS0)_2TX	18.94
802.11ax HEW40_Nss1,(MCS0)_2TX	15.61
802.11ax HEW80_Nss1,(MCS0)_2TX	13.91
802.11ax HEW160_Nss1,(MCS0)_2TX	9.35

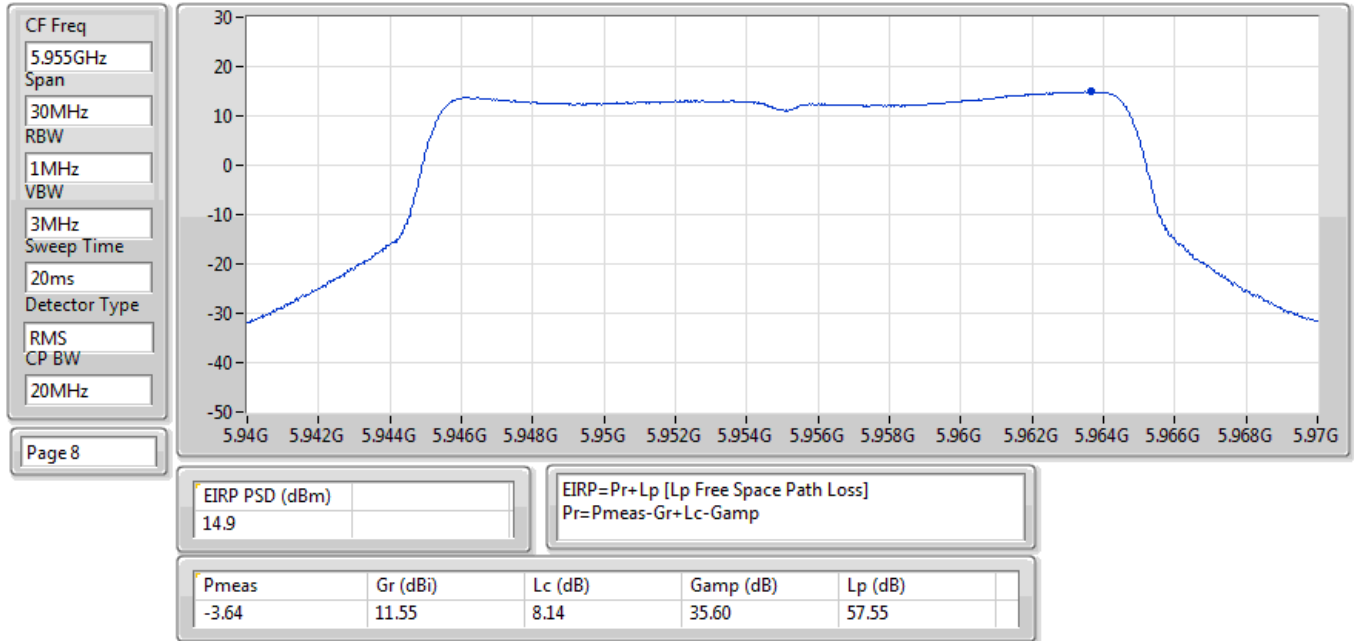
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

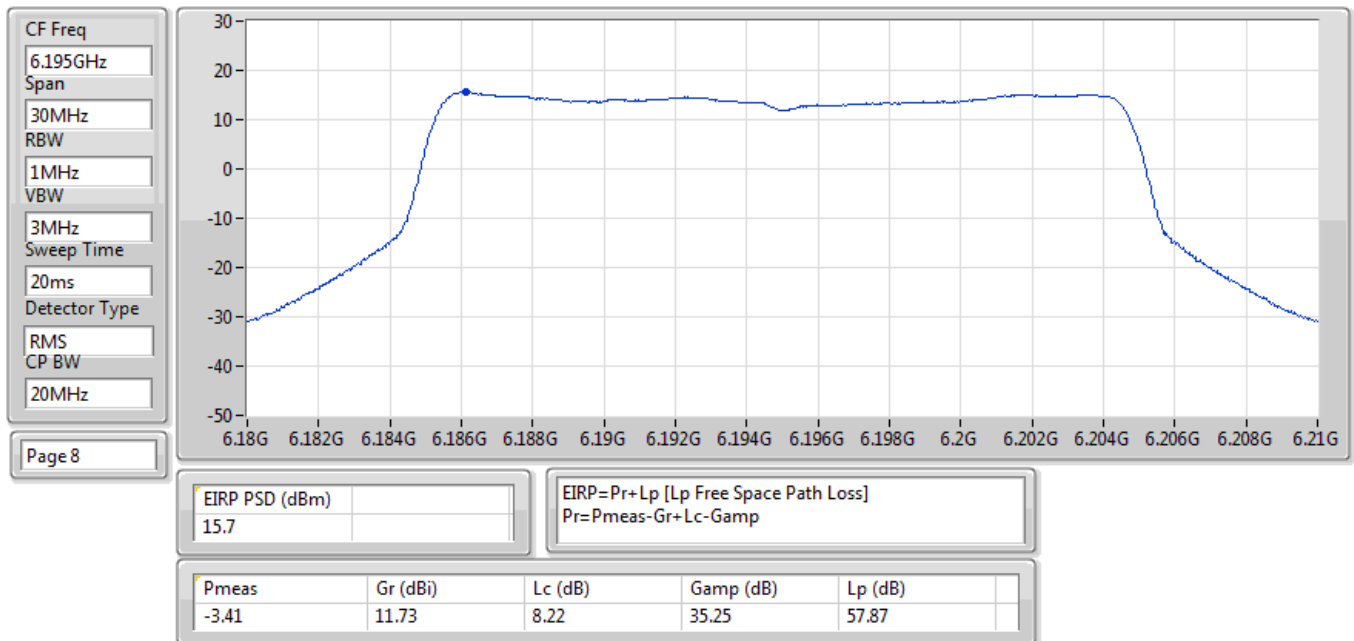
Mode	Result	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-
5955MHz	Pass	14.90	23.00
6195MHz	Pass	15.70	23.00
6415MHz	Pass	15.92	23.00
6535MHz	Pass	17.50	23.00
6695MHz	Pass	18.92	23.00
6855MHz	Pass	18.94	23.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-
5965MHz	Pass	11.37	23.00
6205MHz	Pass	13.28	23.00
6405MHz	Pass	12.97	23.00
6565MHz	Pass	15.61	23.00
6685MHz	Pass	15.54	23.00
6845MHz	Pass	15.57	23.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-
5985MHz	Pass	9.26	23.00
6225MHz	Pass	9.26	23.00
6385MHz	Pass	9.62	23.00
6625MHz	Pass	12.74	23.00
6705MHz	Pass	12.92	23.00
6785MHz	Pass	13.91	23.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-
6025MHz	Pass	6.94	23.00
6185MHz	Pass	7.18	23.00
6345MHz	Pass	8.30	23.00
6665MHz	Pass	9.35	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;

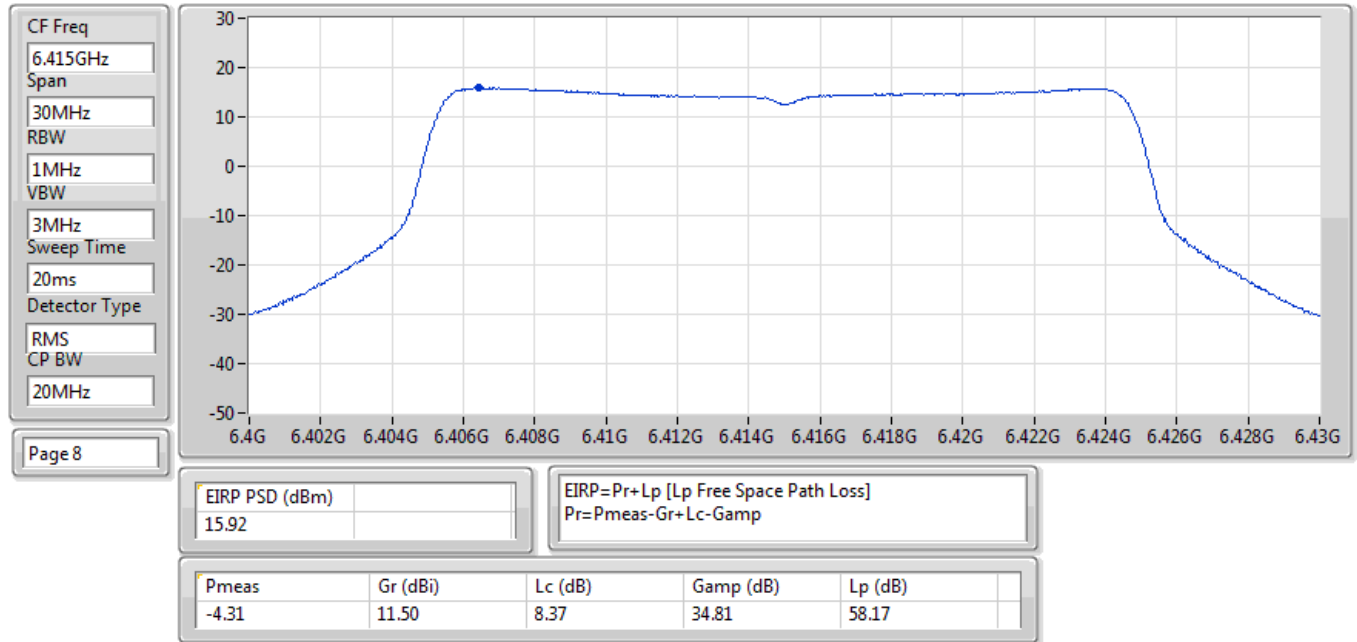
EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:5955MHz;TX



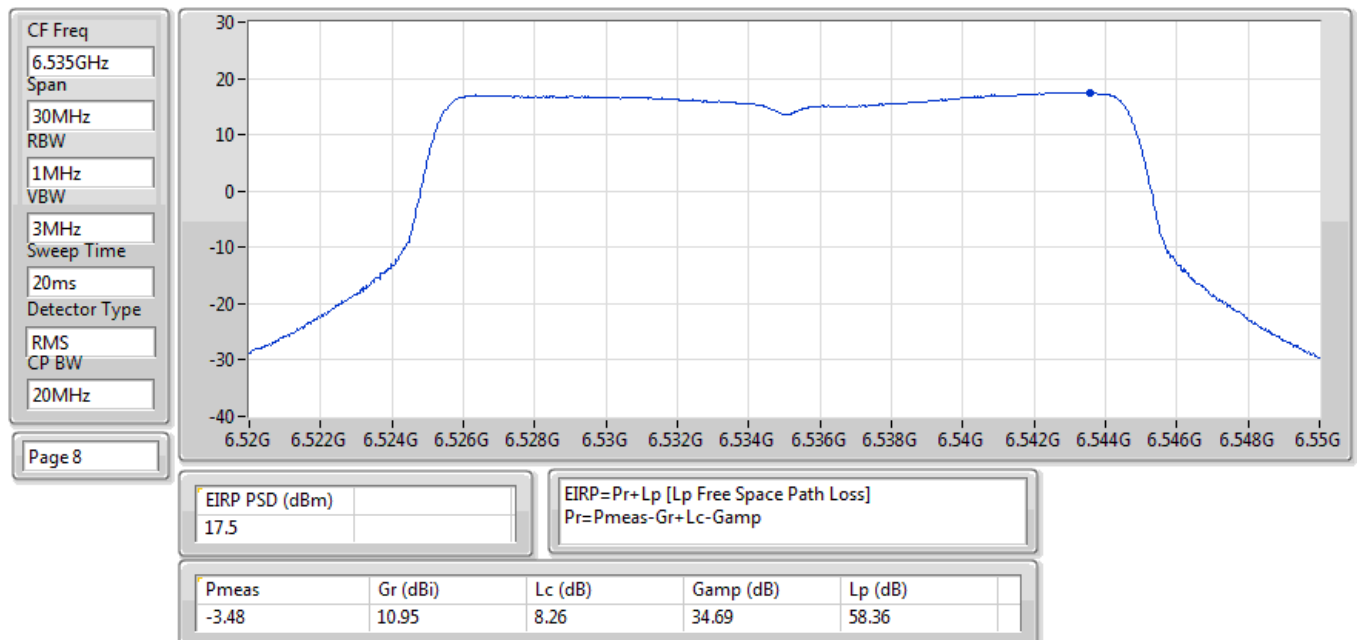
EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6195MHz;TX



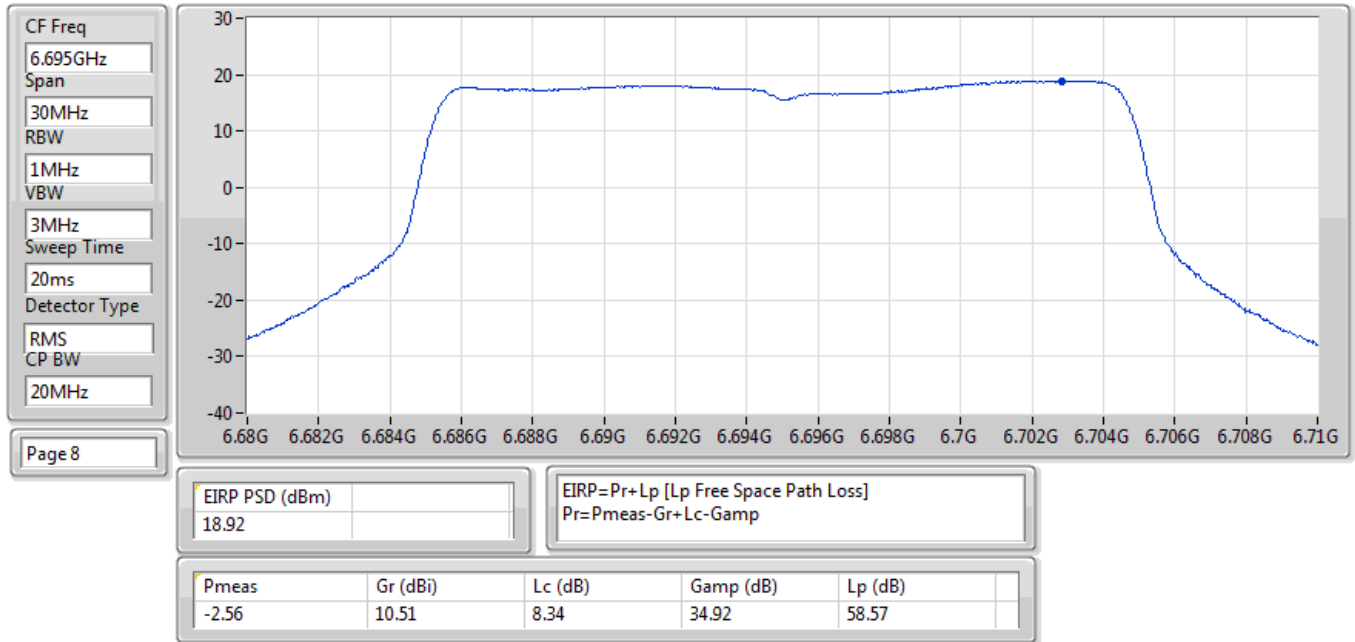
EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6415MHz;TX



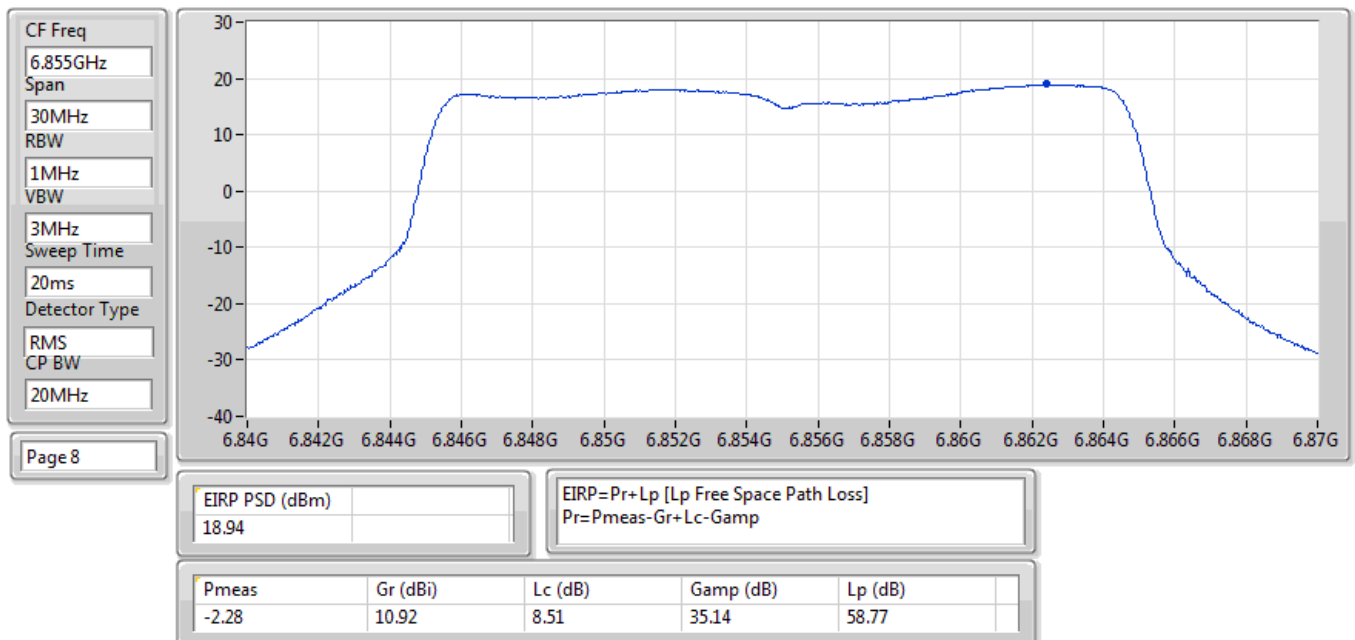
EIRP PSD;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6535MHz;TX



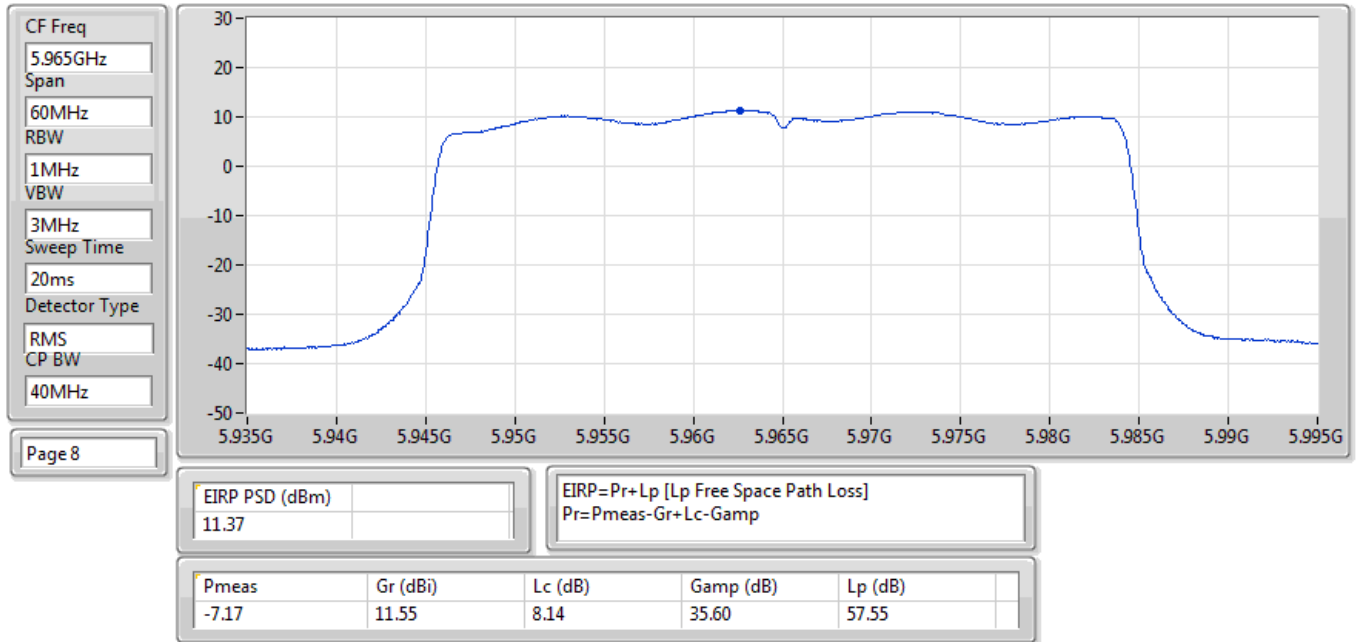
EIRP PSD;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6695MHz;TX



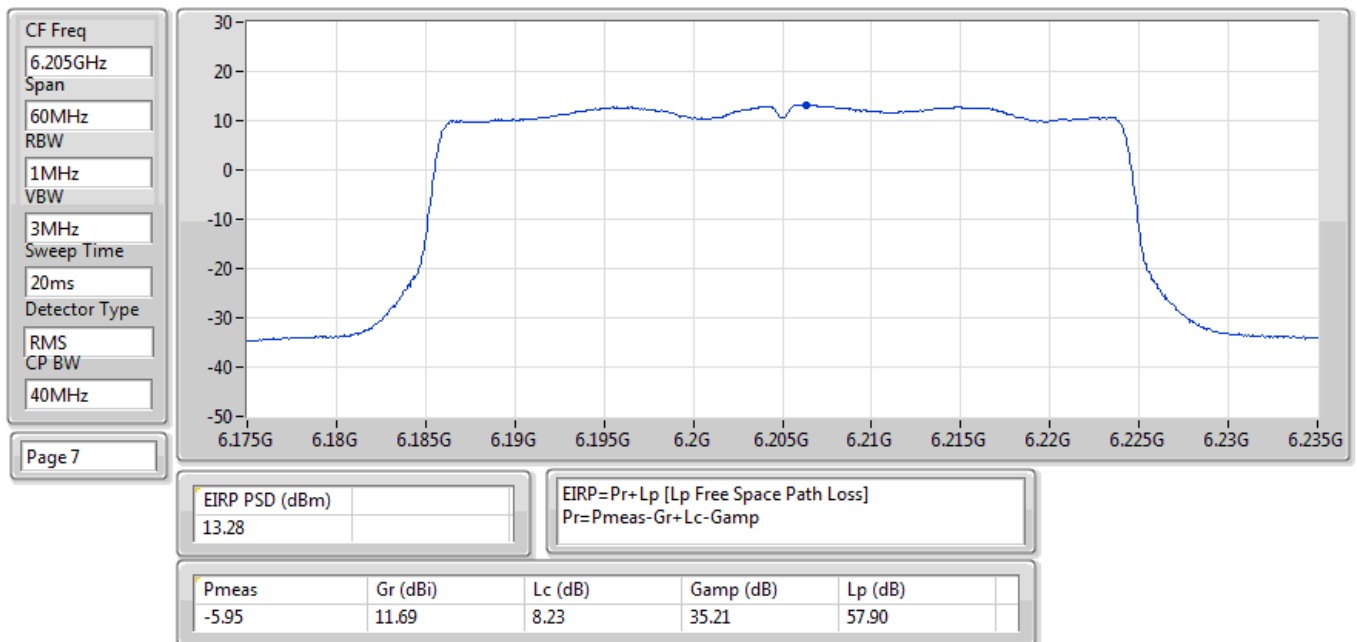
EIRP PSD;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6855MHz;TX



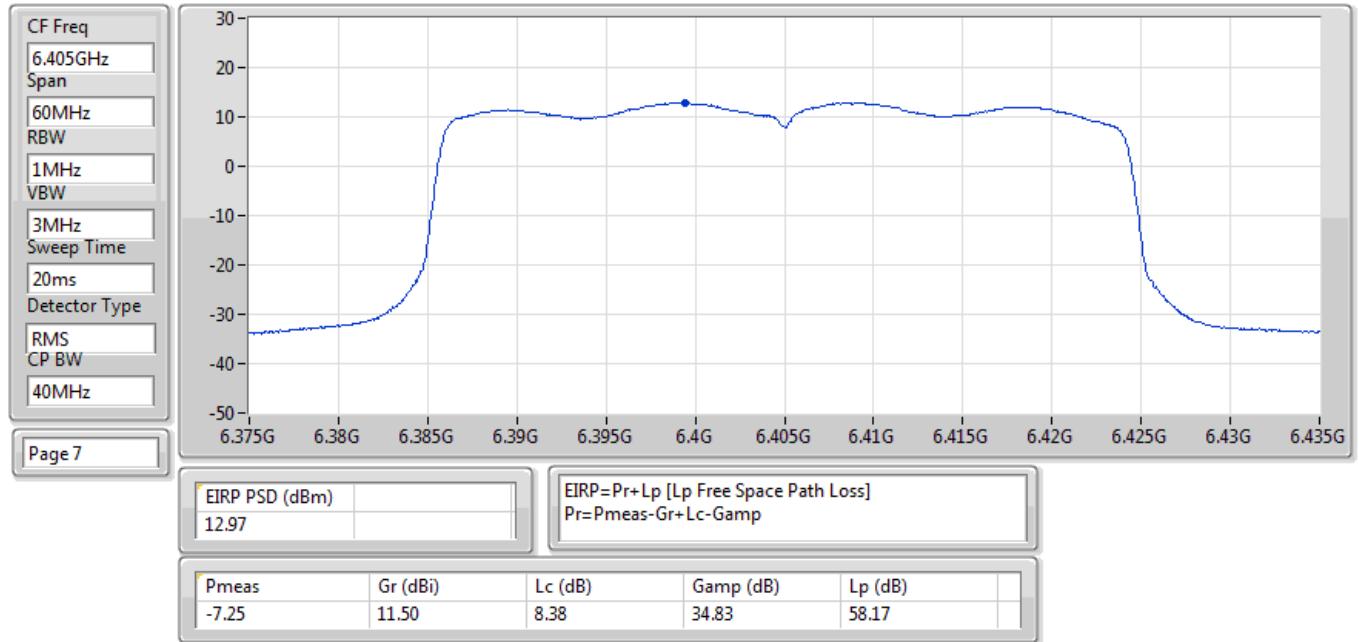
EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:5965MHz;TX



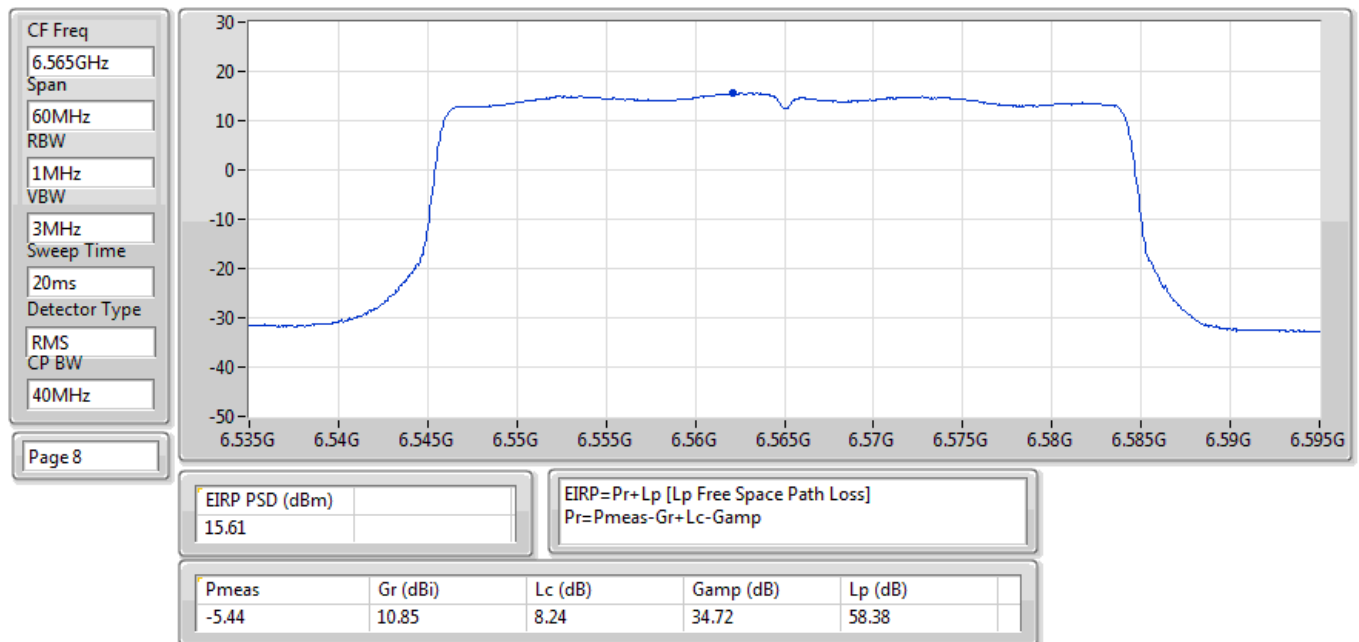
EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6205MHz;TX



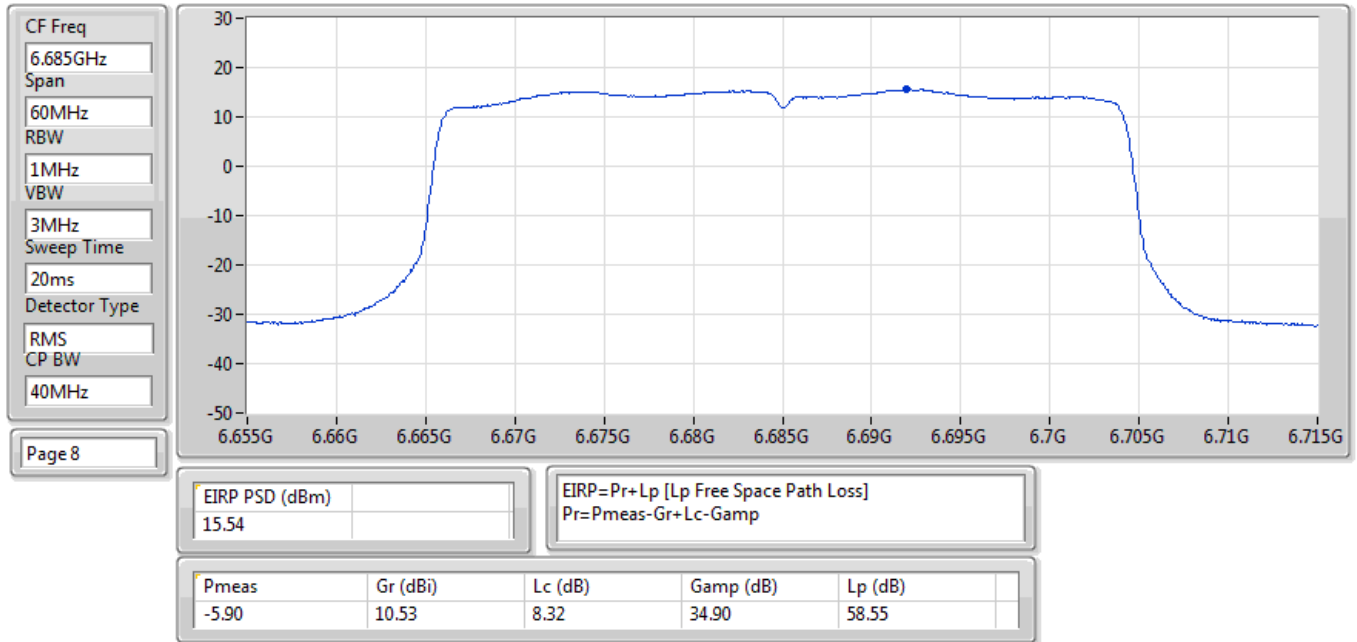
EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6405MHz;TX



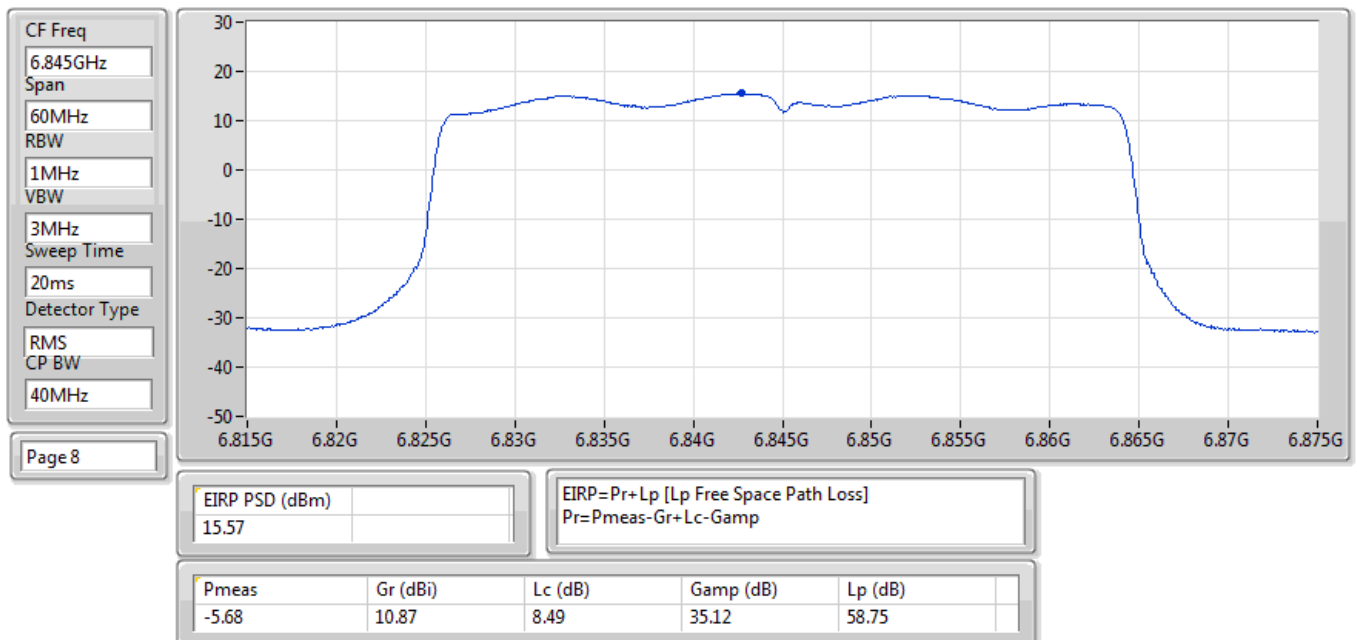
EIRP PSD;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6565MHz;TX

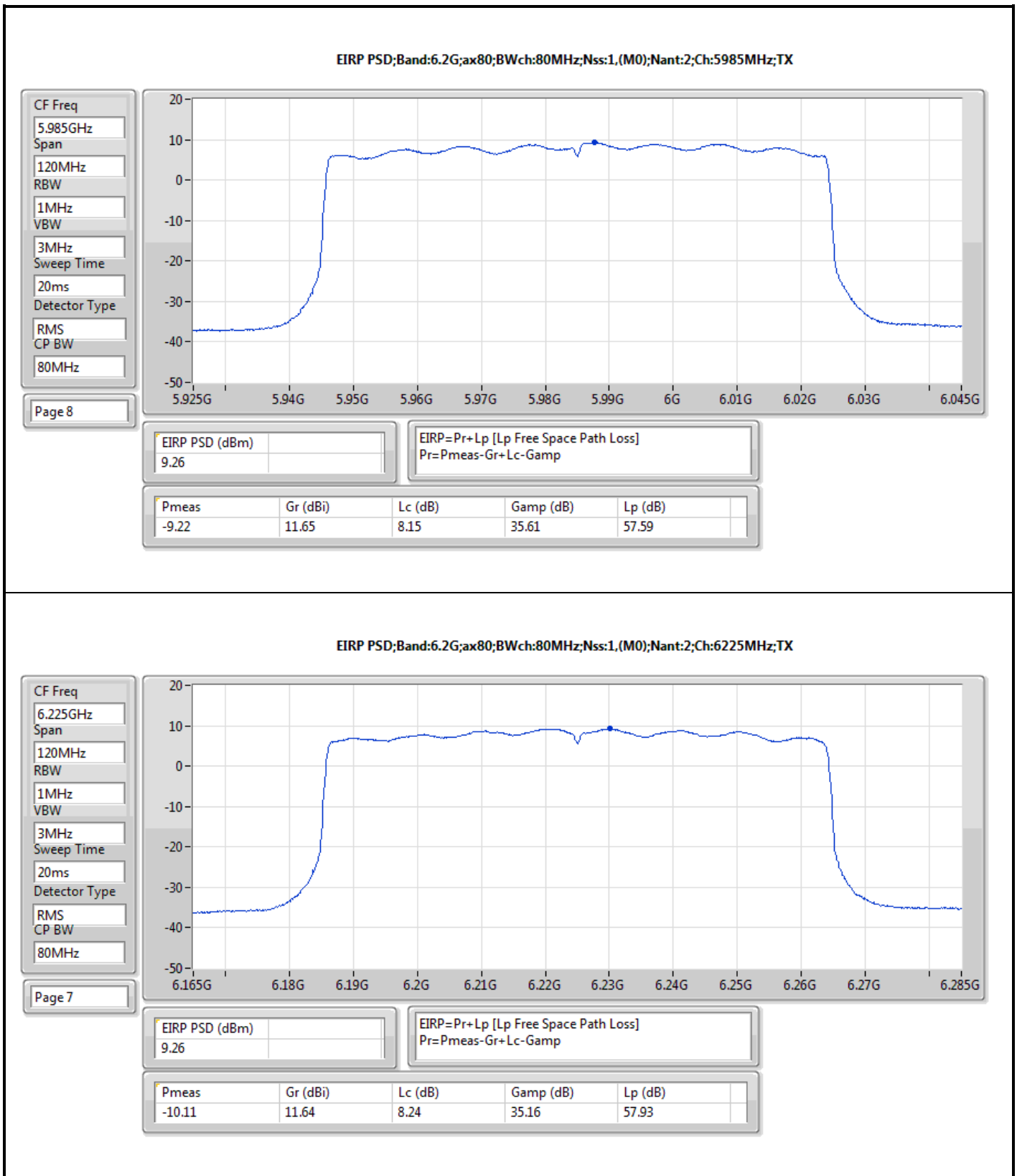


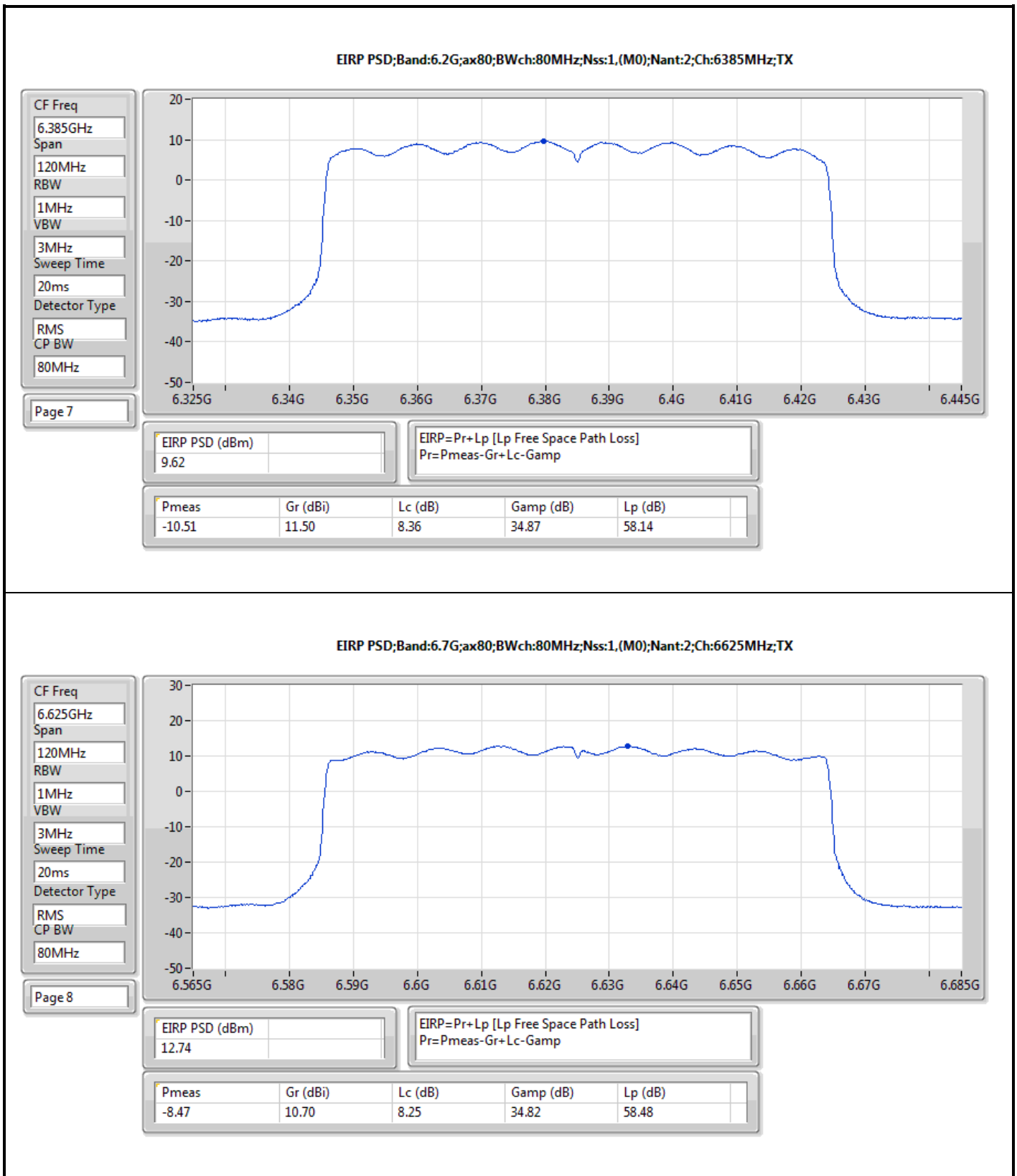
EIRP PSD;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6685MHz;TX

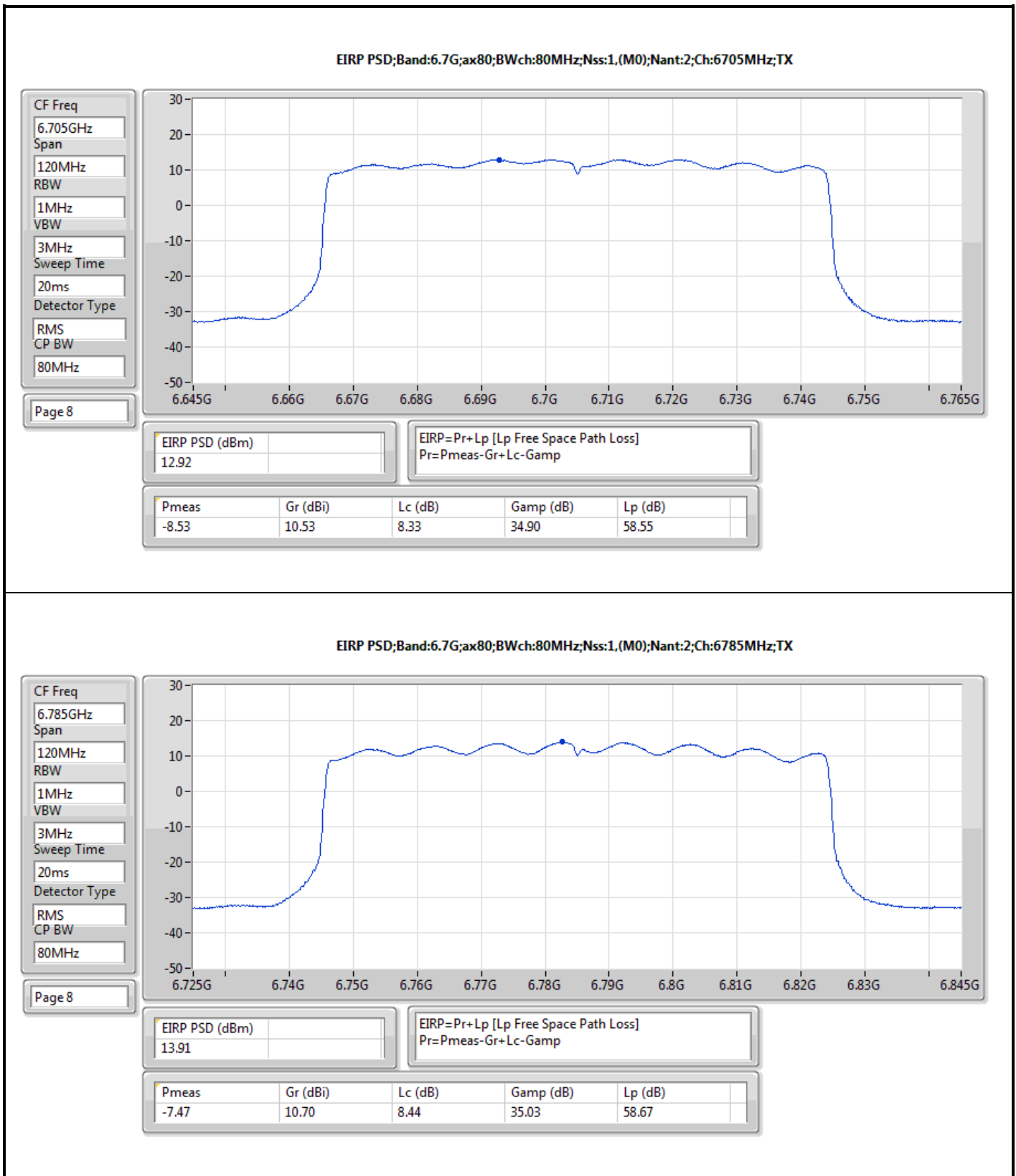


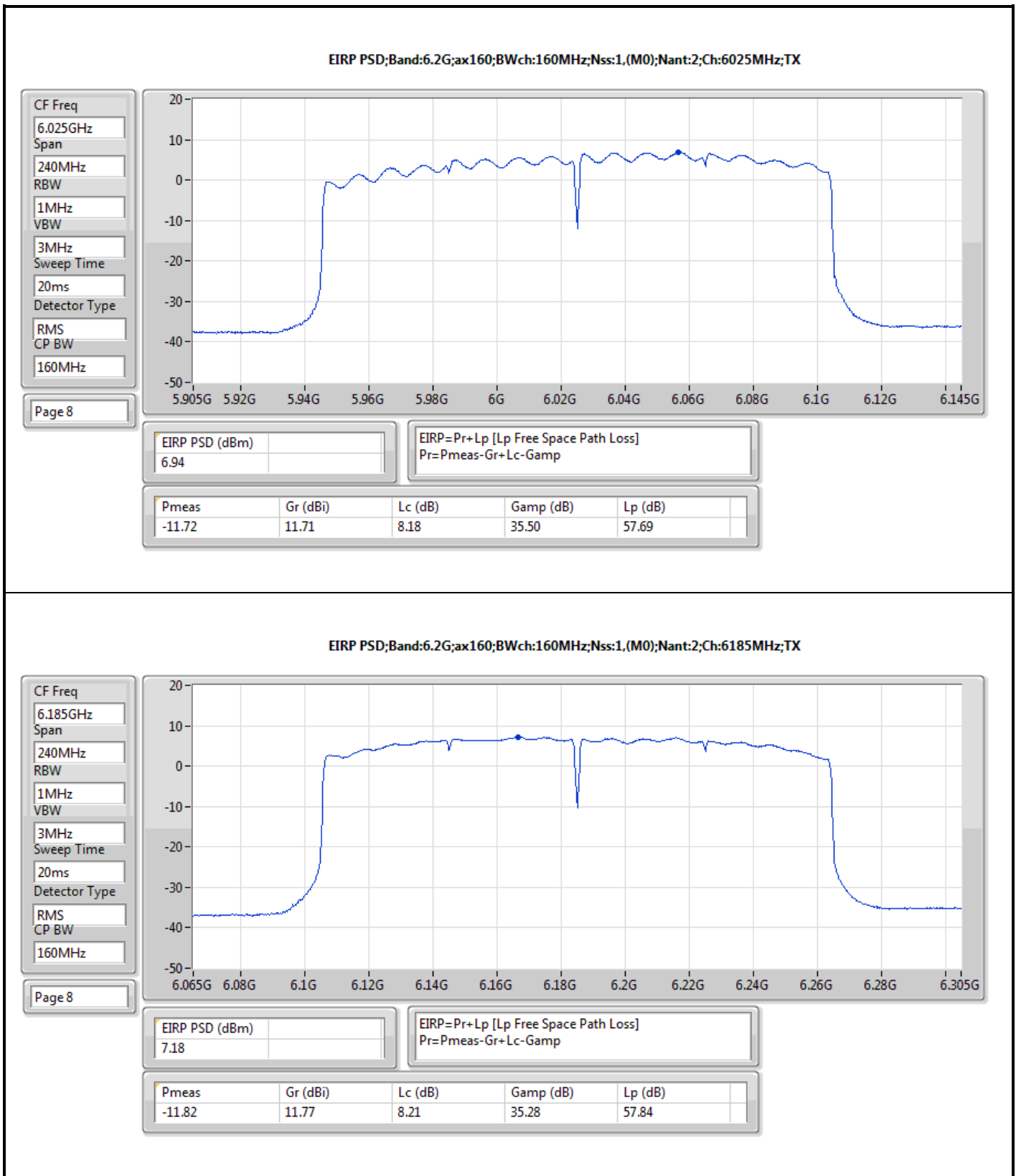
EIRP PSD;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6845MHz;TX

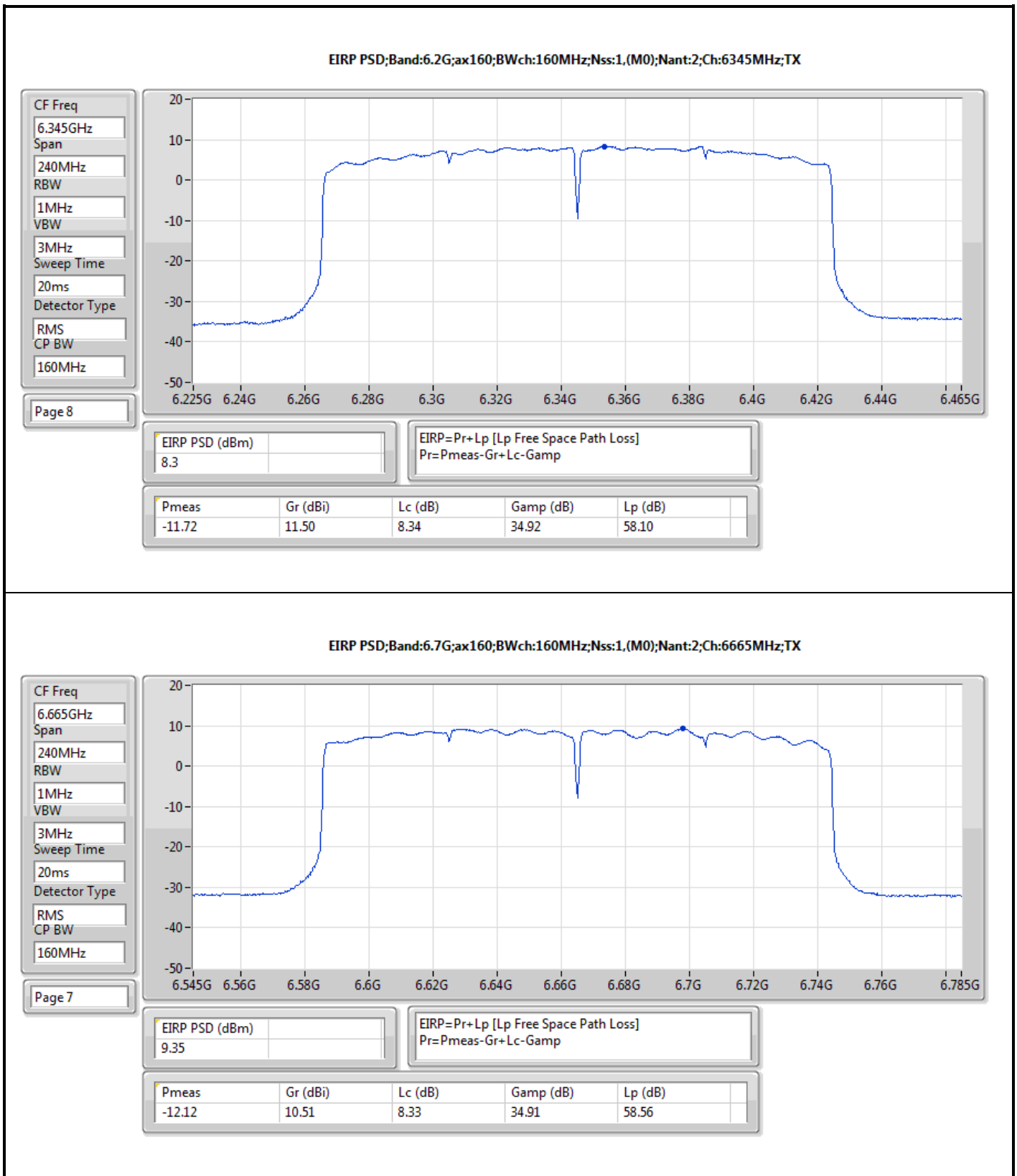














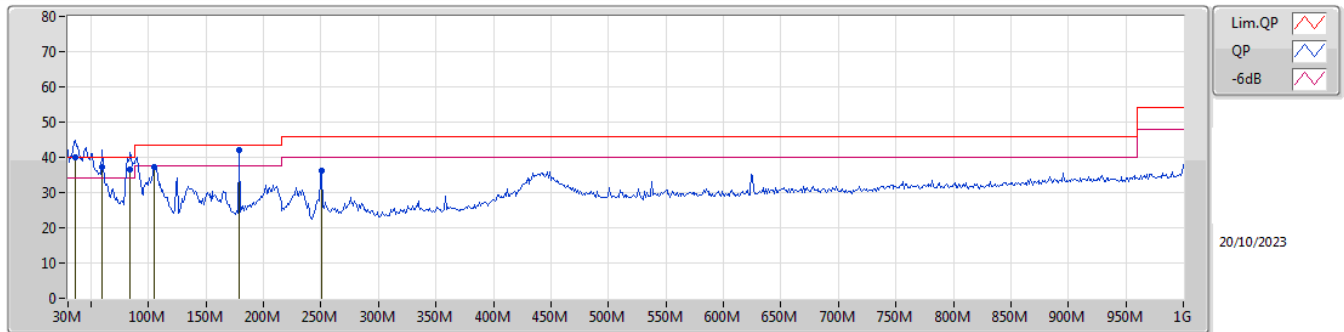
Radiated Emissions below 1GHz

Appendix E.1

Summary

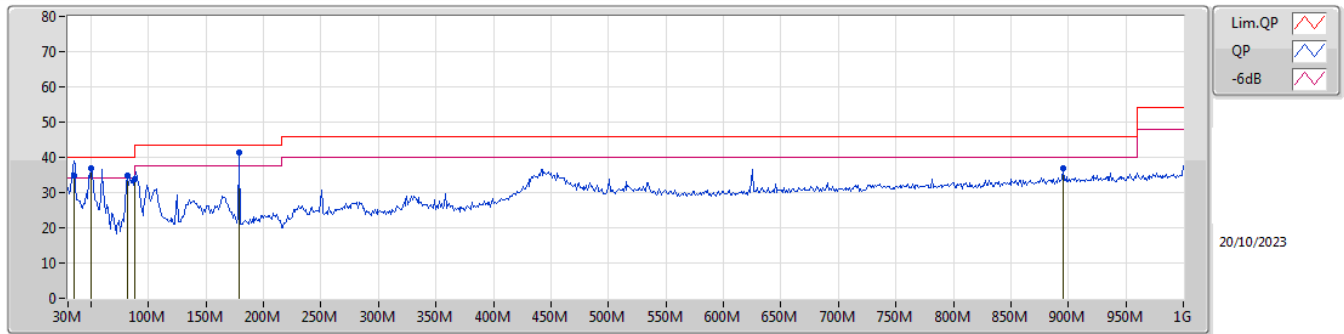
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	35.82M	39.91	40.00	-0.09	Vertical

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)		
QP	35.82M	39.91	40.00	-0.09	-9.51	3	Vertical	251	1.00	"Worst"	49.42	21.04	1.14	31.69		
QP	59.1M	37.11	40.00	-2.89	-18.19	3	Vertical	140	1.00	-	55.30	12.27	1.44	31.90		
QP	84.32M	36.49	40.00	-3.51	-16.51	3	Vertical	270	1.00	-	53.00	13.70	1.69	31.90		
PK	104.69M	37.25	43.50	-6.25	-12.62	3	Vertical	329	1.00	-	49.87	17.45	1.88	31.95		
QP	178.41M	42.06	43.50	-1.44	-14.24	3	Vertical	283	1.00	-	56.30	15.32	2.45	32.01		
PK	250.19M	36.12	46.00	-9.88	-10.87	3	Vertical	197	1.00	-	46.99	18.28	2.89	32.04		

Mode 1



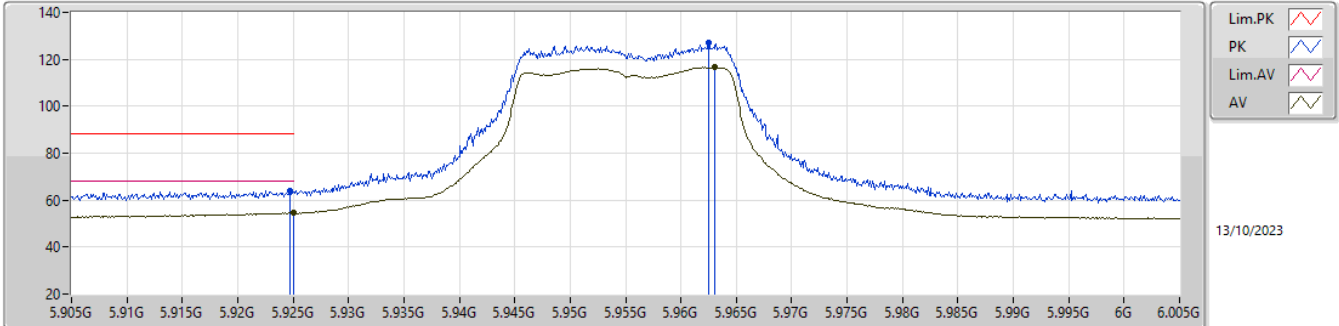
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)		
QP	34.85M	34.88	40.00	-5.12	-8.82	3	Horizontal	129	1.00		43.70	21.72	1.13	31.67		
PK	50.37M	36.84	40.00	-3.16	-16.59	3	Horizontal	356	1.00	-	53.43	13.92	1.37	31.88		
PK	81.41M	34.91	40.00	-5.09	-17.06	3	Horizontal	28	1.25	-	51.97	13.22	1.66	31.94		
PK	88M	33.67	43.50	-9.83	-15.82	3	Horizontal	120	1.25	-	49.49	14.41	1.71	31.94		
QP	178.41M	41.46	43.50	-2.04	-14.24	3	Horizontal	195	1.00	"Worst"	55.70	15.32	2.45	32.01		
PK	895.24M	36.92	46.00	-9.08	-0.06	3	Horizontal	0	2.00	-	36.98	26.39	6.02	32.47		

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.925-6.425GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	17.86872G	50.54	54.00	-3.46	3	Vertical	31	1.71	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	17.90288G	50.69	54.00	-3.31	3	Vertical	332	1.81	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	AV	17.95528G	50.81	54.00	-3.19	3	Horizontal	12	1.98	-
802.11ax HEW160_Nss1,(MCS0)_2TX	Pass	RMS	5.9226G	62.43	68.20	-5.77	3	Vertical	360	1.54	-
6.525-6.875GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	13.39G	45.60	54.00	-8.40	3	Vertical	185	1.39	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	13.37006G	44.61	54.00	-9.39	3	Vertical	185	1.39	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	AV	13.25002G	41.64	54.00	-12.36	3	Vertical	196	1.35	-
802.11ax HEW160_Nss1,(MCS0)_2TX	Pass	AV	13.33003G	42.37	54.00	-11.63	3	Vertical	181	2.27	-

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5955MHz_TX

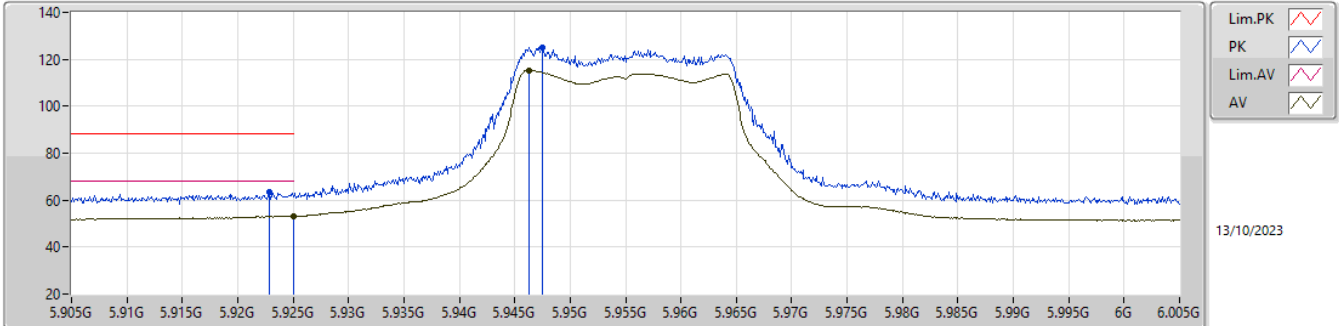


EUT_Y_2TX
Setting 11
02-E-R-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.9247G	64.11	88.20	-24.09	55.25	3	Vertical	360	1.54	-	34.25	5.77	31.16			
RMS	5.925G	54.61	68.20	-13.59	45.75	3	Vertical	360	1.54	-	34.25	5.77	31.16			
PK	5.9625G	126.82	Inf	-Inf	117.88	3	Vertical	360	1.54	-	34.30	5.81	31.17			
RMS	5.9631G	116.58	Inf	-Inf	107.64	3	Vertical	360	1.54	-	34.30	5.81	31.17			

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5955MHz_TX

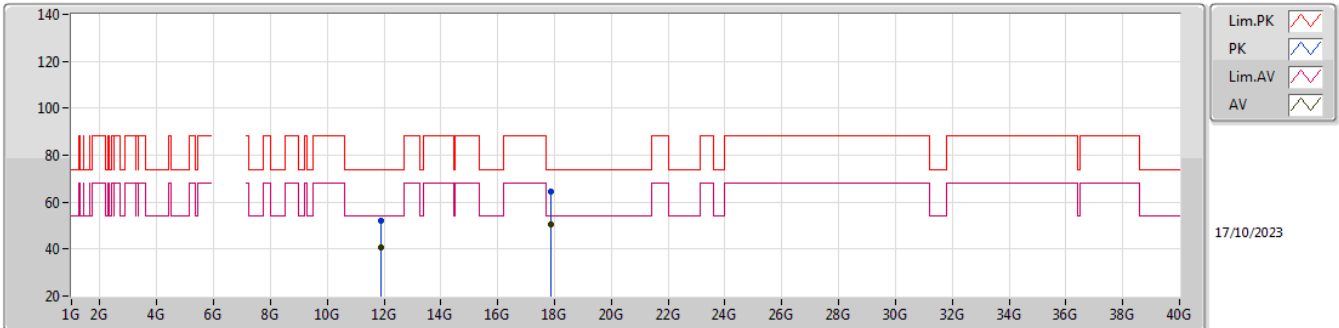


EUT_Y_2TX
Setting 11
02-E-R-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.9229G	63.25	88.20	-24.95	54.38	3	Horizontal	360	1.63	-	34.25	5.77	31.15			
RMS	5.925G	53.23	68.20	-14.97	44.37	3	Horizontal	360	1.63	-	34.25	5.77	31.16			
PK	5.9475G	125.21	Inf	-Inf	116.30	3	Horizontal	360	1.63	-	34.29	5.79	31.17			
RMS	5.9463G	115.22	Inf	-Inf	106.31	3	Horizontal	360	1.63	-	34.29	5.79	31.17			

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5955MHz_TX

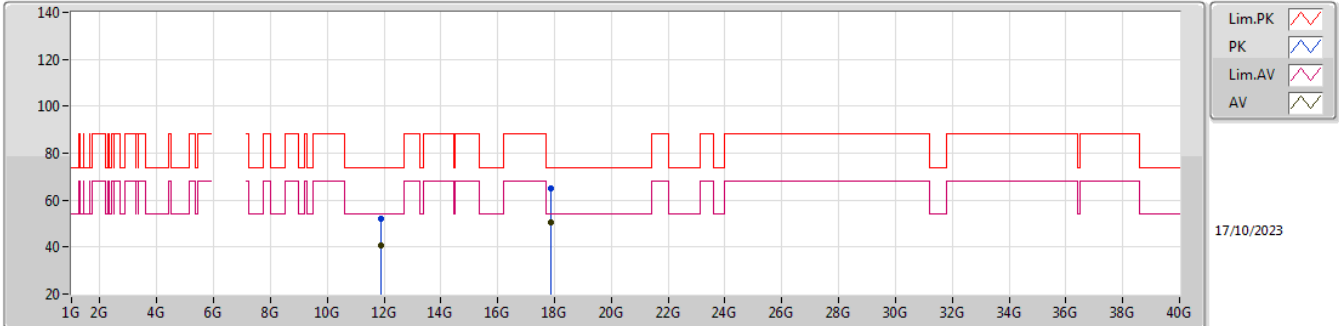


EUT Y_2TX
Setting 11
02-E-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.91304G	52.32	74.00	-21.68	47.54	3	Vertical	184	1.08	-	39.30	8.71	43.23			
AV	11.91002G	40.73	54.00	-13.27	35.95	3	Vertical	184	1.08	-	39.30	8.71	43.23			
PK	17.85724G	64.27	74.00	-9.73	47.78	3	Vertical	31	1.71	-	46.33	11.57	41.41			
AV	17.86872G	50.54	54.00	-3.46	33.98	3	Vertical	31	1.71	-	46.37	11.58	41.39			

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5955MHz_TX

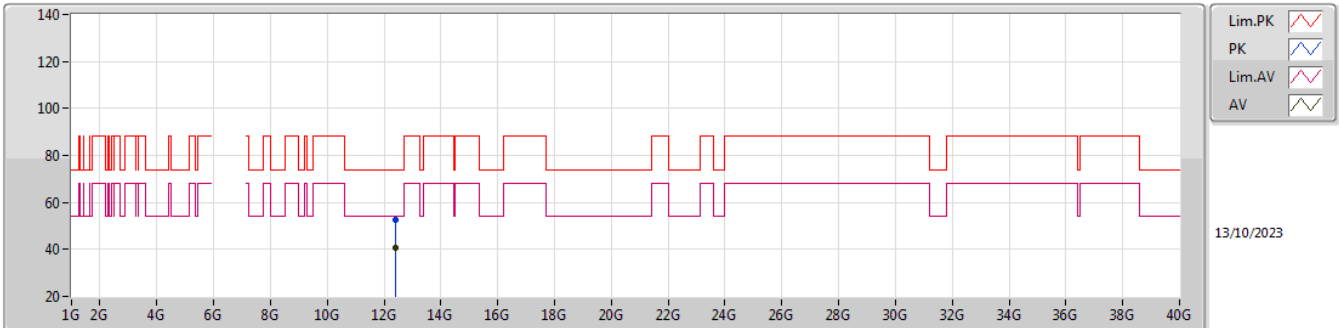


EUT V_2TX
Setting 11
02-E-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.90308G	52.26	74.00	-21.74	47.49	3	Horizontal	184	1.08	-	39.30	8.71	43.24			
AV	11.90998G	40.60	54.00	-13.40	35.82	3	Horizontal	184	1.08	-	39.30	8.71	43.23			
PK	17.8566G	65.08	74.00	-8.92	48.59	3	Horizontal	273	1.53	-	46.33	11.57	41.41			
AV	17.85662G	50.31	54.00	-3.69	33.82	3	Horizontal	273	1.53	-	46.33	11.57	41.41			

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

6195MHz_TX

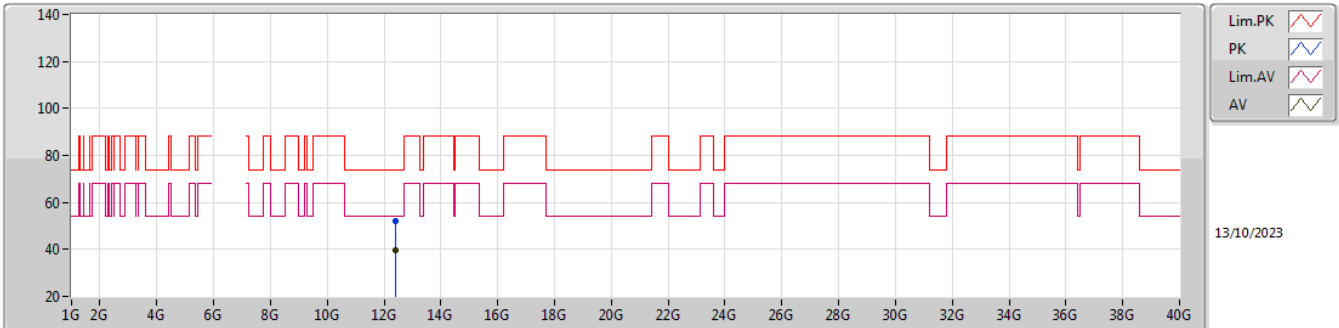


EUT V_2TX
Setting 12
02-E-R-6

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	12.38614G	52.83	74.00	-21.17	48.45	3	Vertical	185	1.40	-	38.63	8.92	43.17			
AV	12.38998G	40.76	54.00	-13.24	36.39	3	Vertical	185	1.40	-	38.62	8.92	43.17			

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

6195MHz_TX

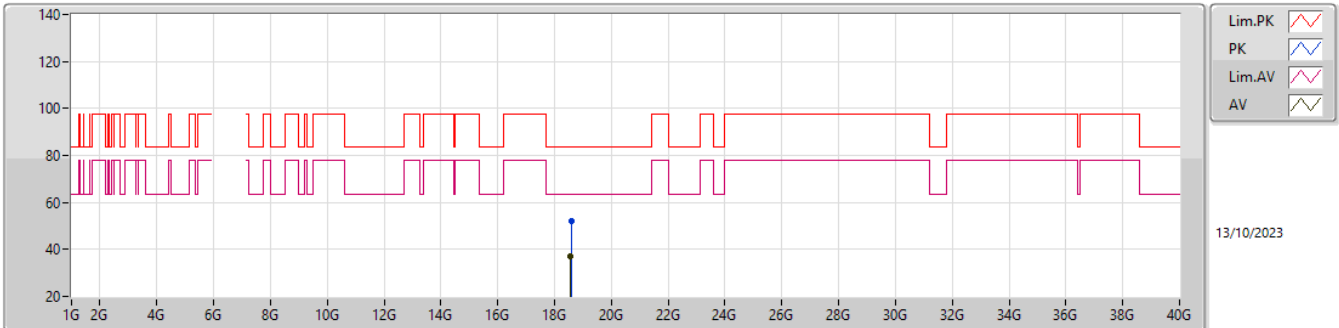


EUT_V_2TX
Setting 12
02-E-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	12.39448G	51.99	74.00	-22.01	47.62	3	Horizontal	185	1.40	-	38.61	8.92	43.16			
AV	12.38986G	39.52	54.00	-14.48	35.15	3	Horizontal	185	1.40	-	38.62	8.92	43.17			

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

6195MHz_TX

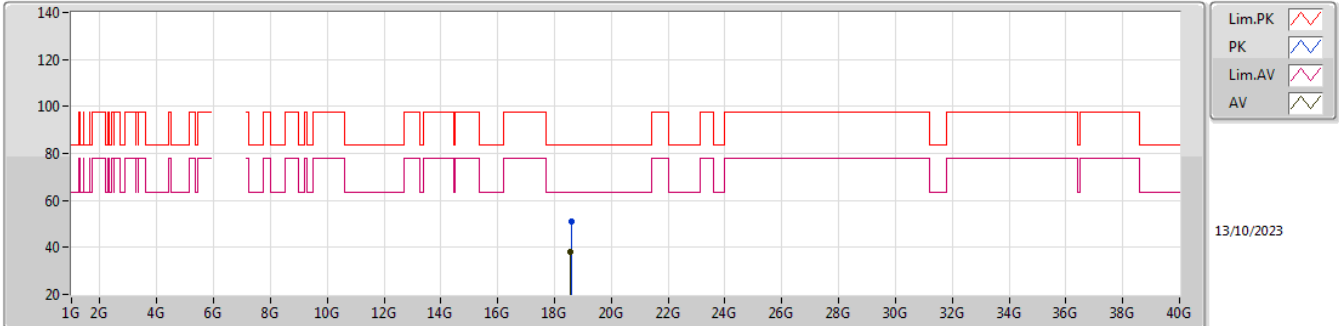


EUT_Y_2TX
Setting 12
05-E-B-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	18.58287G	51.91	83.54	-31.63	45.69	1	Vertical	173	1.80	-	37.70	18.90	50.38			
AV	18.57454G	37.32	63.54	-26.22	31.10	1	Vertical	173	1.80	-	37.70	18.89	50.37			

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

6195MHz_TX

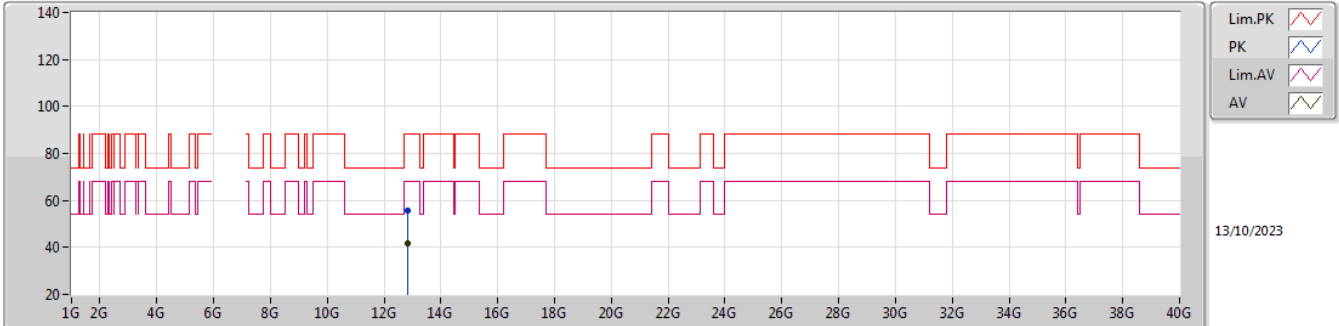


EUT V_2TX
Setting 12
05-E-B-5

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	18.5853G	51.05	83.54	-32.49	44.84	1	Horizontal	198	1.81	-	37.70	18.90	50.39			
AV	18.57644G	37.94	63.54	-25.60	31.73	1	Horizontal	198	1.81	-	37.70	18.89	50.38			

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

6415MHz_TX

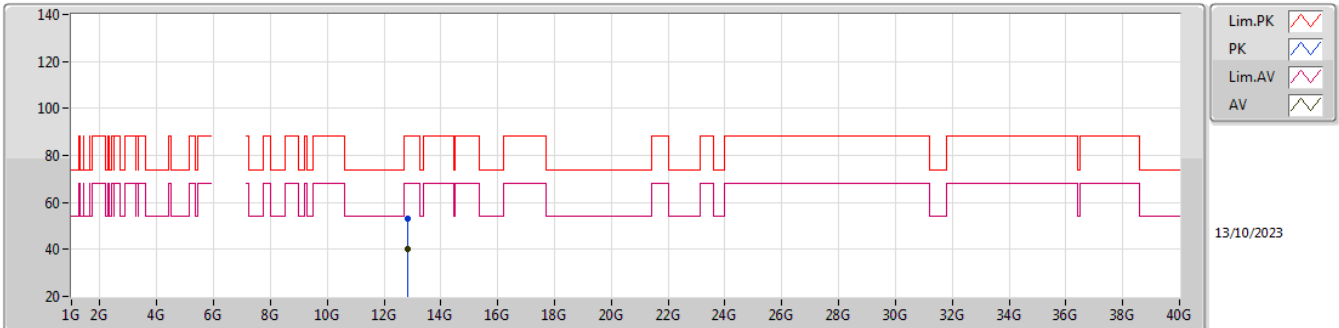


EUT V_2TX
Setting 12
02-E-R-6

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	12.83492G	55.88	88.20	-32.32	50.60	3	Vertical	186	1.40	-	38.97	9.13	42.82			
RMS	12.83G	41.93	68.20	-26.27	36.66	3	Vertical	186	1.40	-	38.96	9.13	42.82			

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

6415MHz_TX

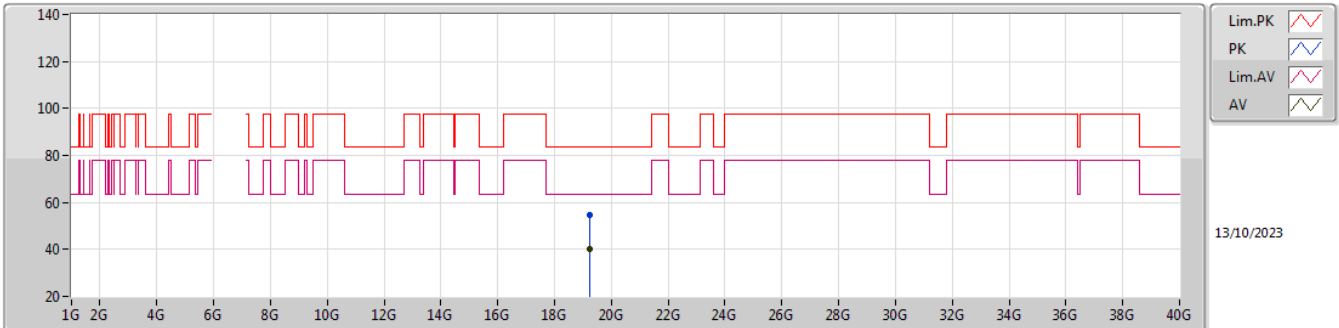


EUT V_2TX
Setting 12
02-E-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	12.82772G	53.23	88.20	-34.97	47.97	3	Horizontal	187	1.31	-	38.96	9.12	42.82			
RMS	12.8244G	40.17	68.20	-28.03	34.93	3	Horizontal	187	1.31	-	38.95	9.12	42.83			

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

6415MHz_TX

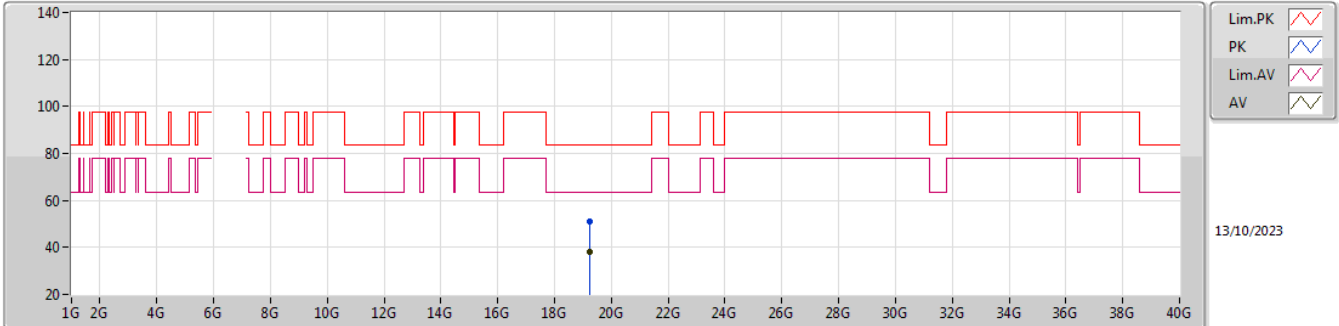


EUT_V_2TX
Setting 12
05-E-B-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	19.24424G	54.47	83.54	-29.07	48.30	1	Vertical	195	1.87	-	37.91	19.35	51.09			
AV	19.24532G	40.01	63.54	-23.53	33.83	1	Vertical	195	1.87	-	37.91	19.36	51.09			

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

6415MHz_TX

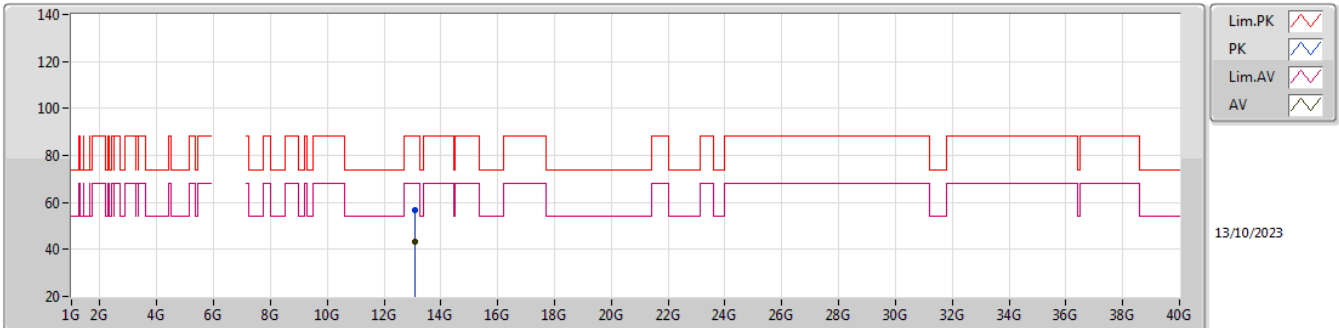


EUT_V_2TX
Setting 12
05-E-B-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	19.23716G	51.07	83.54	-32.47	44.87	1	Horizontal	186	1.70	-	37.93	19.35	51.08			
AV	19.24622G	38.28	63.54	-25.26	32.11	1	Horizontal	186	1.70	-	37.91	19.36	51.10			

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

6535MHz_TX

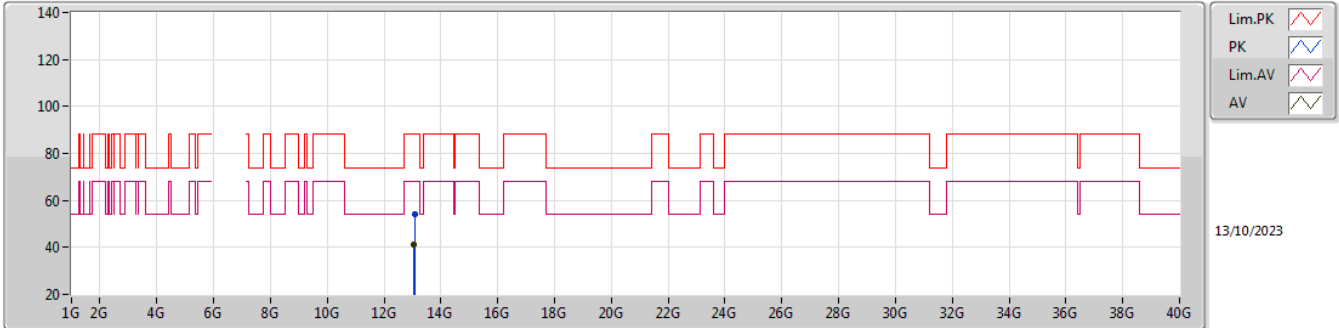


EUT V_2TX
Setting 12
02-E-R-6

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	13.07462G	56.61	88.20	-31.59	50.39	3	Vertical	185	1.40	-	39.65	9.24	42.67			
RMS	13.07002G	43.19	68.20	-25.01	37.00	3	Vertical	185	1.40	-	39.62	9.24	42.67			

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

6535MHz_TX

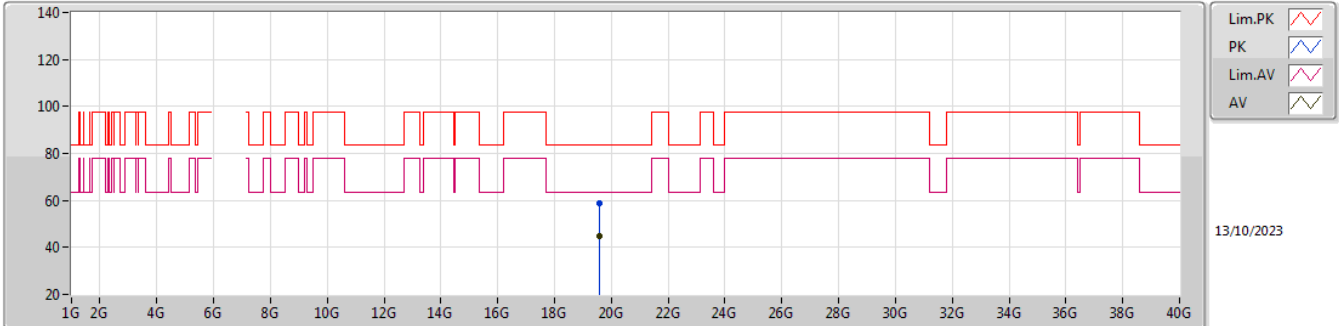


EUT V_2TX
Setting 12
02-E-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	13.0737G	54.39	88.20	-33.81	48.18	3	Horizontal	185	1.39	-	39.64	9.24	42.67			
RMS	13.06344G	41.15	68.20	-27.05	35.00	3	Horizontal	185	1.39	-	39.58	9.23	42.66			

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

6535MHz_TX

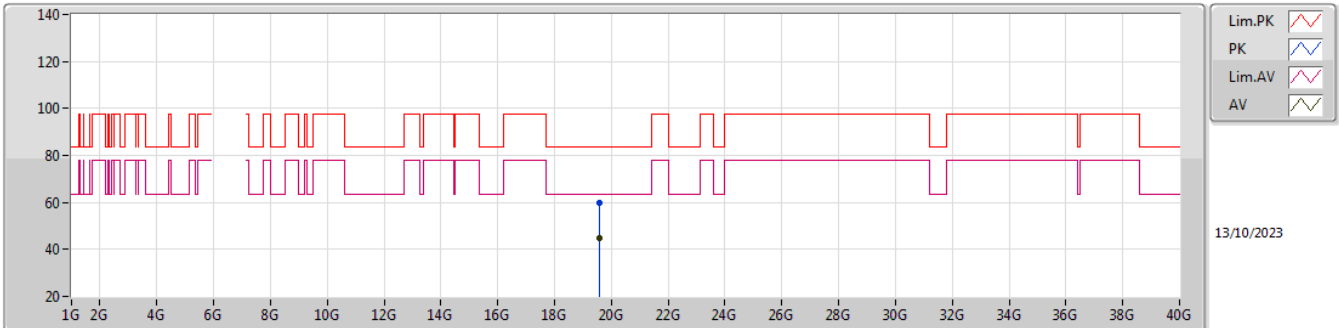


EUT V_2TX
Setting 12
05-E-B-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	19.6013G	58.69	83.54	-24.85	52.78	1	Vertical	169	1.78	-	37.81	19.60	51.50			
AV	19.60147G	44.71	63.54	-18.83	38.80	1	Vertical	169	1.78	-	37.81	19.60	51.50			

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

6535MHz_TX

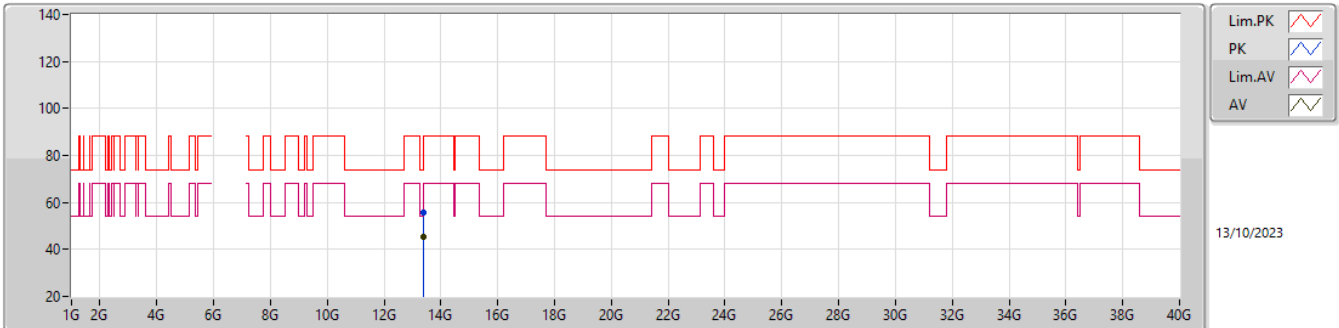


EUT V_2TX
Setting 12
05-E-B-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	19.59847G	59.75	83.54	-23.79	53.84	1	Horizontal	201	1.77	-	37.81	19.60	51.50			
AV	19.59837G	44.65	63.54	-18.89	38.74	1	Horizontal	201	1.77	-	37.81	19.60	51.50			

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

6695MHz_TX

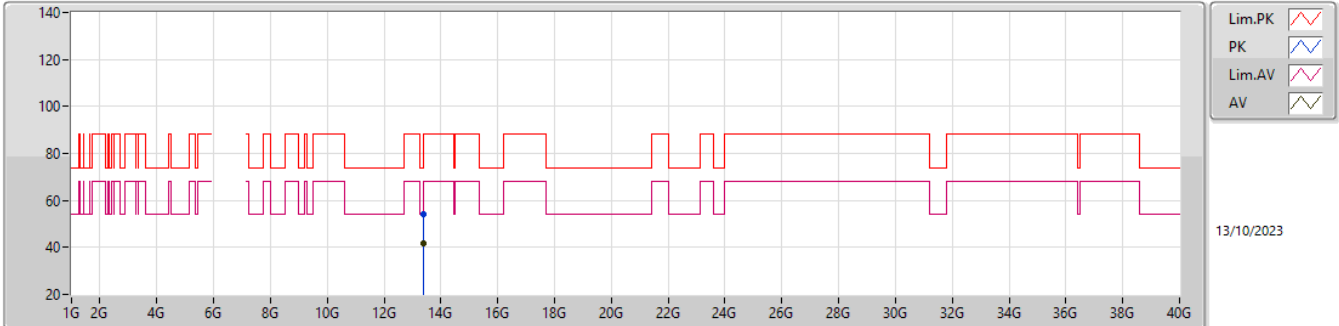


EUT_Y_2TX
Setting 13.5
02-E-R-6

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	13.39012G	55.92	74.00	-18.08	48.79	3	Vertical	185	1.39	-	40.48	9.39	42.74			
AV	13.39G	45.60	54.00	-8.40	38.47	3	Vertical	185	1.39	-	40.48	9.39	42.74			

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

6695MHz_TX

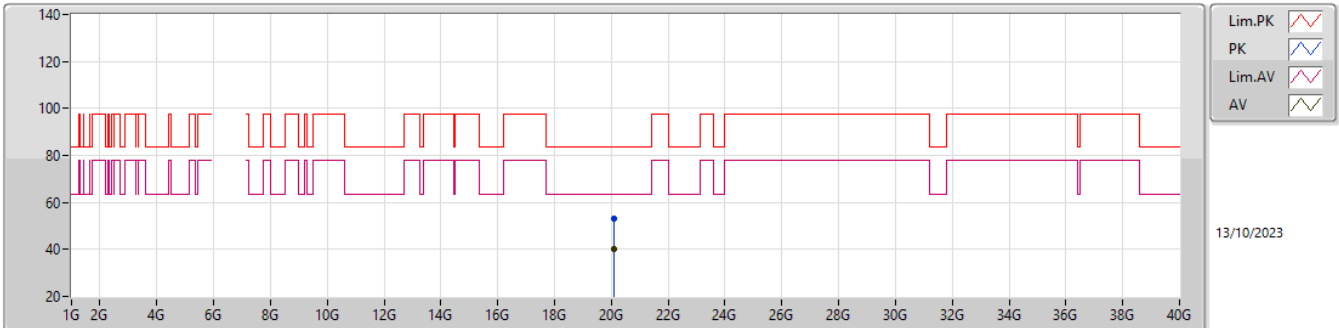


EUT_Y_2TX
Setting 13.5
02-E-R-6

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	13.38206G	54.18	74.00	-19.82	47.07	3	Horizontal	185	1.39	-	40.46	9.38	42.73			
AV	13.38998G	41.62	54.00	-12.38	34.49	3	Horizontal	185	1.39	-	40.48	9.39	42.74			

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

6695MHz_TX

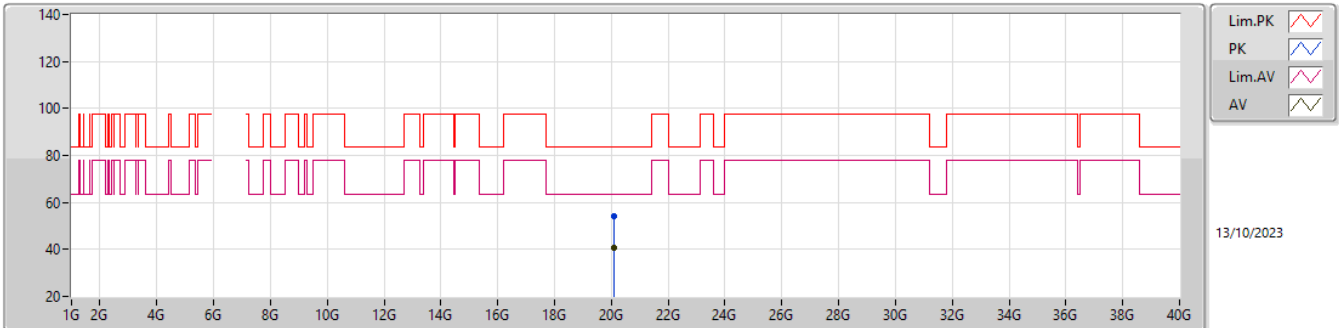


EUT_Y_2TX
Setting 13.5
05-E-B-5

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	20.08256G	53.18	83.54	-30.36	47.36	1	Vertical	179	2.23	-	37.87	19.87	51.92			
AV	20.08206G	40.14	63.54	-23.40	34.36	1	Vertical	179	2.23	-	37.83	19.87	51.92			

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

6695MHz_TX

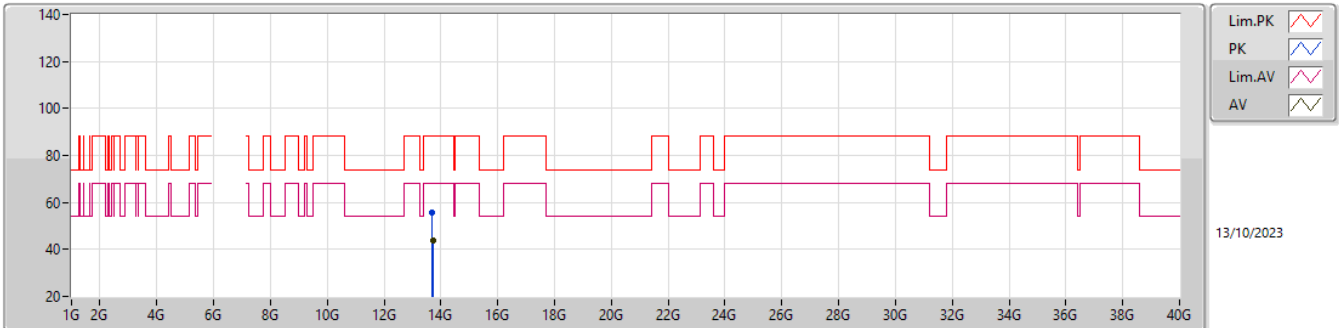


EUT_Y_2TX
Setting 13.5
05-E-B-5

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	20.0887G	53.95	83.54	-29.59	48.15	1	Horizontal	155	1.73	-	37.85	19.87	51.92			
AV	20.07837G	40.75	63.54	-22.79	34.99	1	Horizontal	155	1.73	-	37.81	19.87	51.92			

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

6855MHz_TX

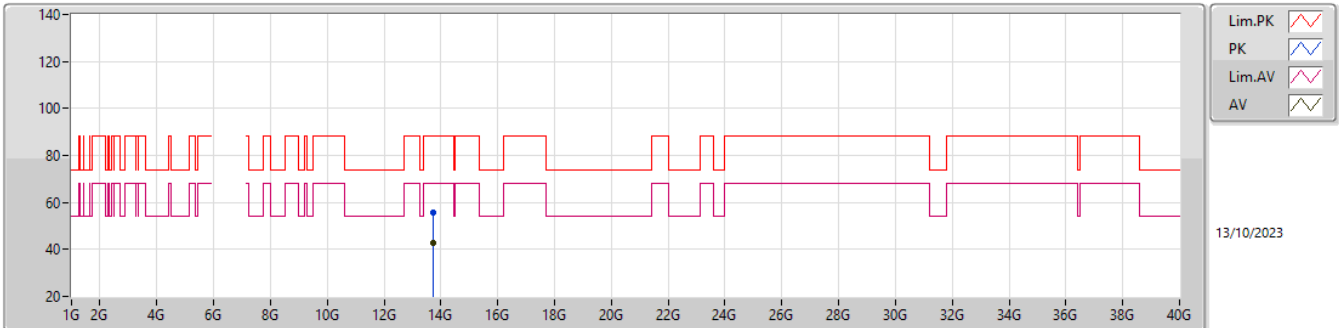


EUT_Y_2TX
Setting 11
02-E-R-6

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	13.70444G	55.58	88.20	-32.62	47.78	3	Vertical	185	1.39	-	40.91	9.53	42.64			
RMS	13.71G	44.03	68.20	-24.17	36.20	3	Vertical	185	1.39	-	40.92	9.54	42.63			

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

6855MHz_TX

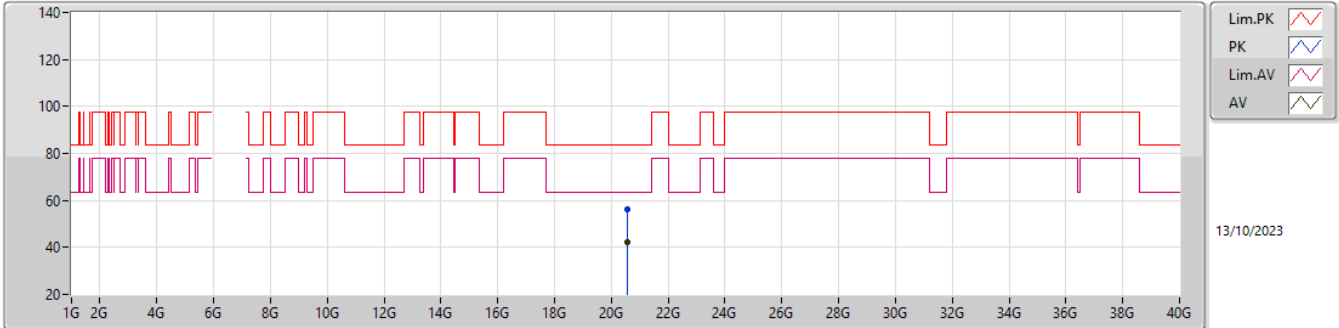


EUT_Y_2TX
Setting 11
02-E-R-6

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	13.71268G	55.93	88.20	-32.27	48.09	3	Horizontal	185	1.39	-	40.93	9.54	42.63			
RMS	13.71034G	42.63	68.20	-25.57	34.80	3	Horizontal	185	1.39	-	40.92	9.54	42.63			

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

6855MHz_TX

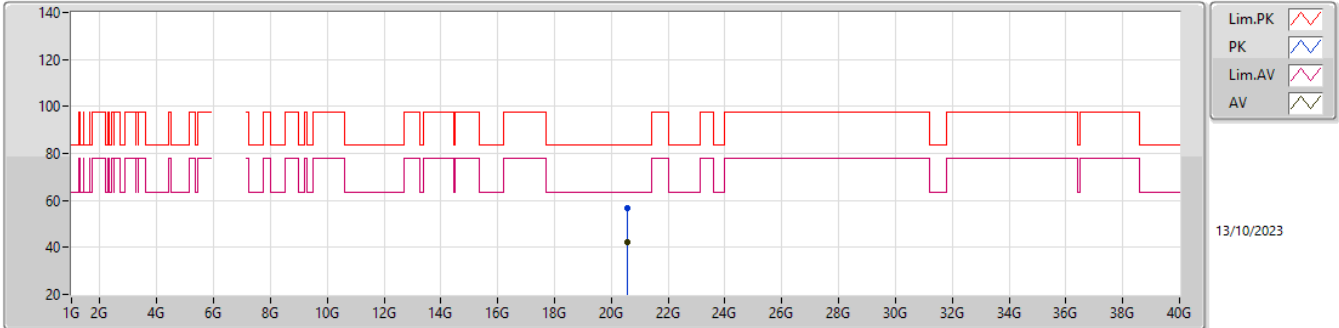


EUT_Y_2TX
Setting 11
05-E-B-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	20.55956G	56.19	83.54	-27.35	50.45	1	Vertical	178	2.02	-	37.92	19.83	52.01			
AV	20.56084G	42.28	63.54	-21.26	36.54	1	Vertical	178	2.02	-	37.92	19.83	52.01			

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

6855MHz_TX

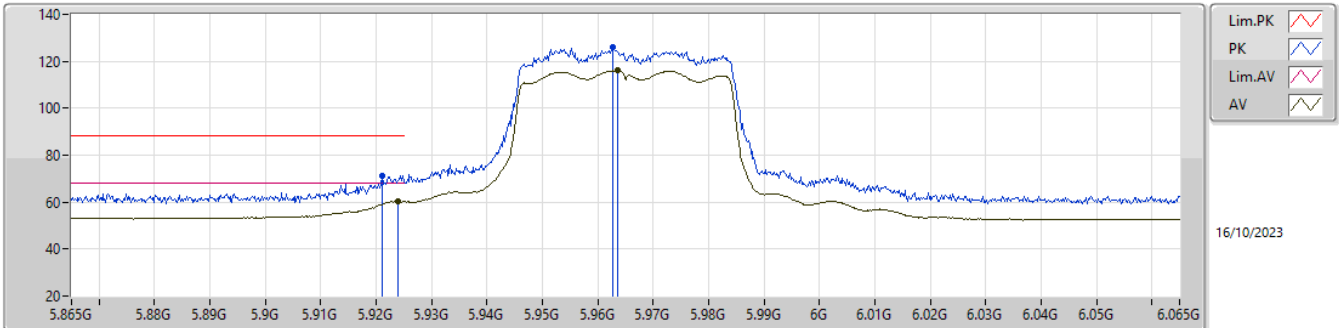


EUT_Y_2TX
Setting 11
05-E-B-5

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	20.56228G	56.95	83.54	-26.59	51.21	1	Horizontal	160	1.80	-	37.92	19.83	52.01			
AV	20.56152G	42.12	63.54	-21.42	36.38	1	Horizontal	160	1.80	-	37.92	19.83	52.01			

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5965MHz_TX

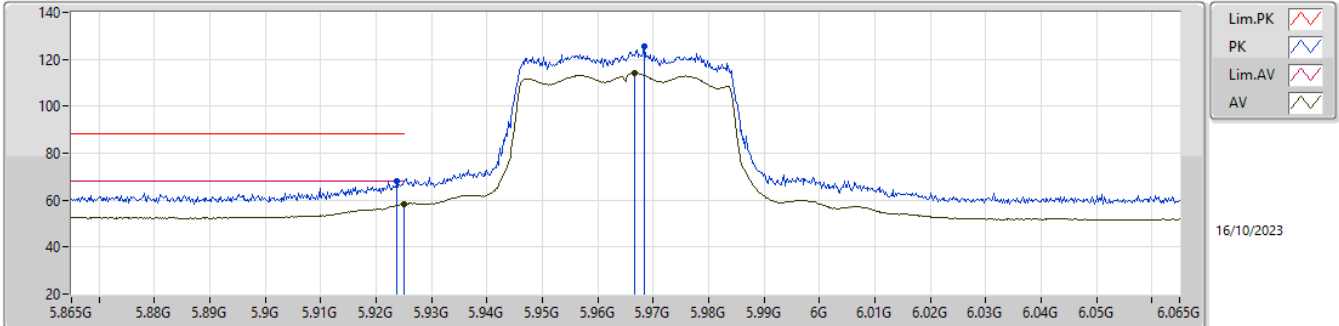


EUT_Y_2TX
Setting 14
02-E-R-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.921G	71.23	88.20	-16.97	62.38	3	Vertical	359	1.94	-	34.24	5.76	31.15			
RMS	5.924G	60.34	68.20	-7.86	51.48	3	Vertical	359	1.94	-	34.25	5.77	31.16			
PK	5.9626G	125.78	Inf	-Inf	116.84	3	Vertical	359	1.94	-	34.30	5.81	31.17			
RMS	5.9636G	116.08	Inf	-Inf	107.14	3	Vertical	359	1.94	-	34.30	5.81	31.17			

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5965MHz_TX

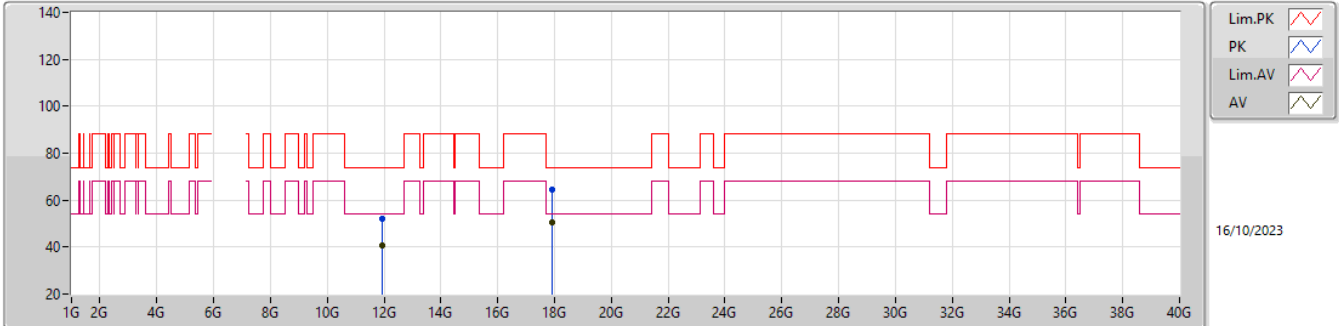


EUT_Y_2TX
Setting 14
02-E-R-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.9238G	68.30	88.20	-19.90	59.43	3	Horizontal	359	2.00	-	34.25	5.77	31.15			
RMS	5.925G	58.37	68.20	-9.83	49.51	3	Horizontal	359	2.00	-	34.25	5.77	31.16			
PK	5.9684G	125.31	Inf	-Inf	116.37	3	Horizontal	359	2.00	-	34.30	5.82	31.18			
RMS	5.9666G	114.04	Inf	-Inf	105.10	3	Horizontal	359	2.00	-	34.30	5.81	31.17			

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5965MHz_TX

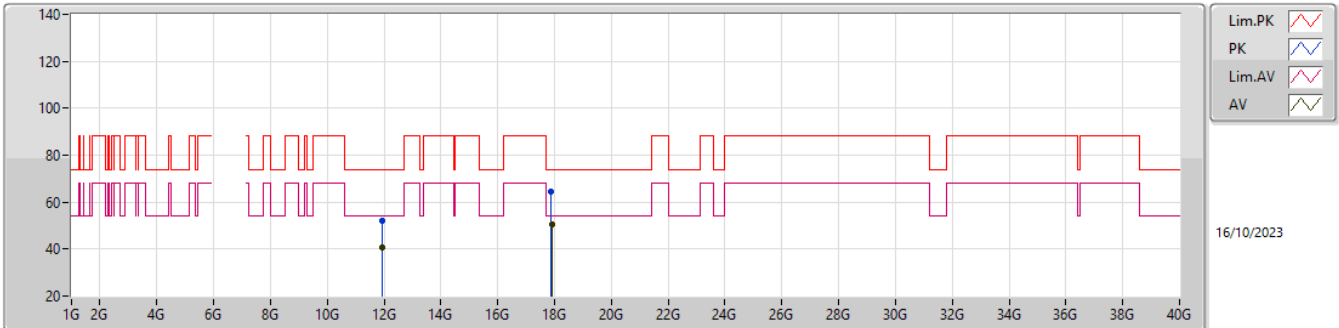


EUT_Y_2TX
Setting 14
02-E-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.9301G	52.28	74.00	-21.72	47.49	3	Vertical	184	1.51	-	39.30	8.72	43.23			
AV	11.92992G	40.73	54.00	-13.27	35.94	3	Vertical	184	1.51	-	39.30	8.72	43.23			
PK	17.905G	64.53	74.00	-9.47	47.76	3	Vertical	332	1.81	-	46.51	11.60	41.34			
AV	17.90288G	50.69	54.00	-3.31	33.92	3	Vertical	332	1.81	-	46.51	11.60	41.34			

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5965MHz_TX

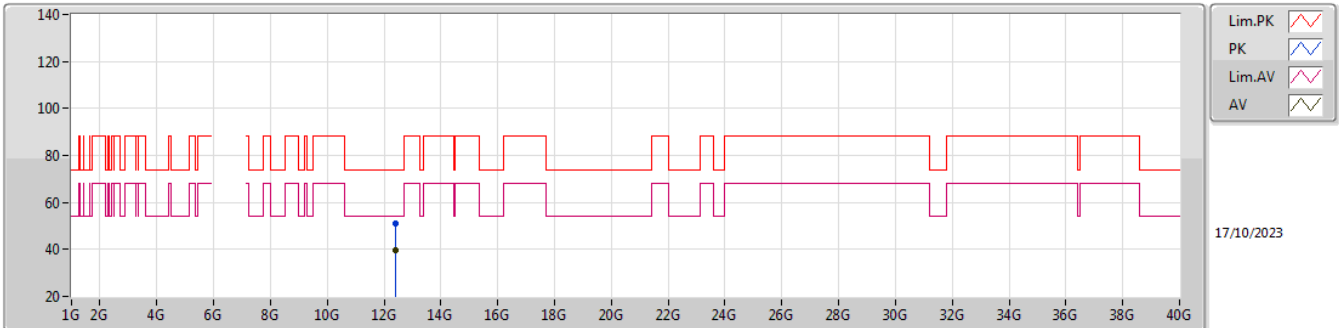


EUT_Y_2TX
Setting 14
02-E-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.93478G	52.00	74.00	-22.00	47.21	3	Horizontal	183	1.28	-	39.30	8.72	43.23			
AV	11.93002G	40.44	54.00	-13.56	35.65	3	Horizontal	183	1.28	-	39.30	8.72	43.23			
PK	17.88696G	64.28	74.00	-9.72	47.61	3	Horizontal	114	1.53	-	46.45	11.59	41.37			
AV	17.90484G	50.69	54.00	-3.31	33.92	3	Horizontal	114	1.53	-	46.51	11.60	41.34			

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

6205MHz_TX

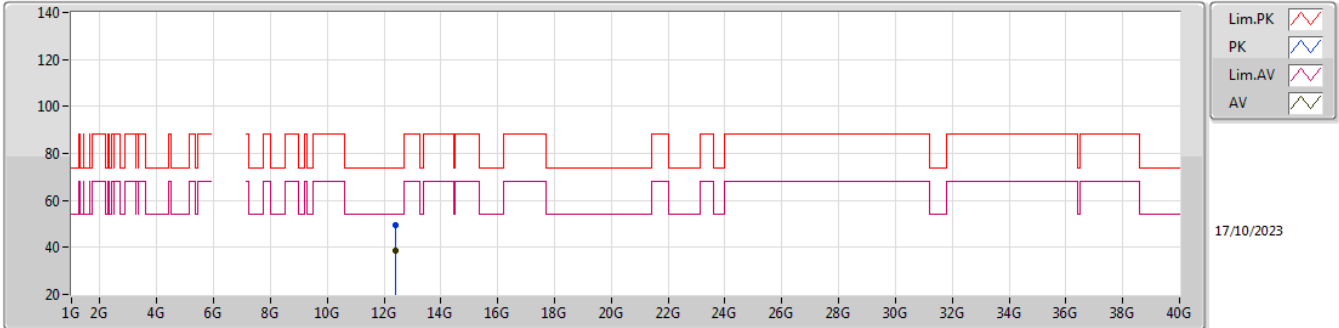


EUT_V_2TX
Setting 14.5
02-E-R-6

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	12.41002G	50.89	74.00	-23.11	46.52	3	Vertical	186	1.43	-	38.60	8.93	43.16			
AV	12.40996G	39.49	54.00	-14.51	35.12	3	Vertical	186	1.43	-	38.60	8.93	43.16			

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

6205MHz_TX

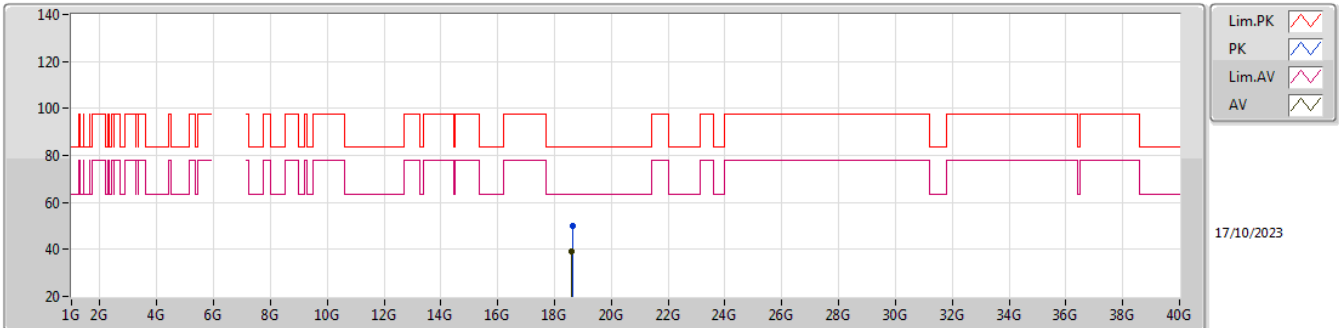


EUT V_2TX
Setting 14.5
02-E-R-6

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	12.4102G	49.64	74.00	-24.36	45.27	3	Horizontal	184	1.19	-	38.60	8.93	43.16			
AV	12.40998G	38.71	54.00	-15.29	34.34	3	Horizontal	184	1.19	-	38.60	8.93	43.16			

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

6205MHz_TX

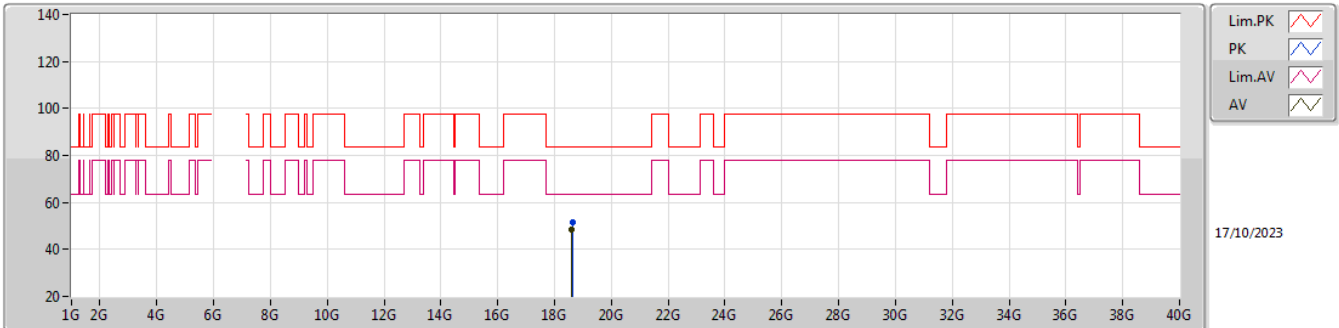


EUT_V_2TX
Setting 14.5
05-E-B-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	18.63296G	50.08	83.54	-33.46	43.81	1	Vertical	198	1.85	-	37.77	18.93	50.43			
AV	18.61604G	39.13	63.54	-24.41	32.90	1	Vertical	198	1.85	-	37.73	18.92	50.42			

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

6205MHz_TX

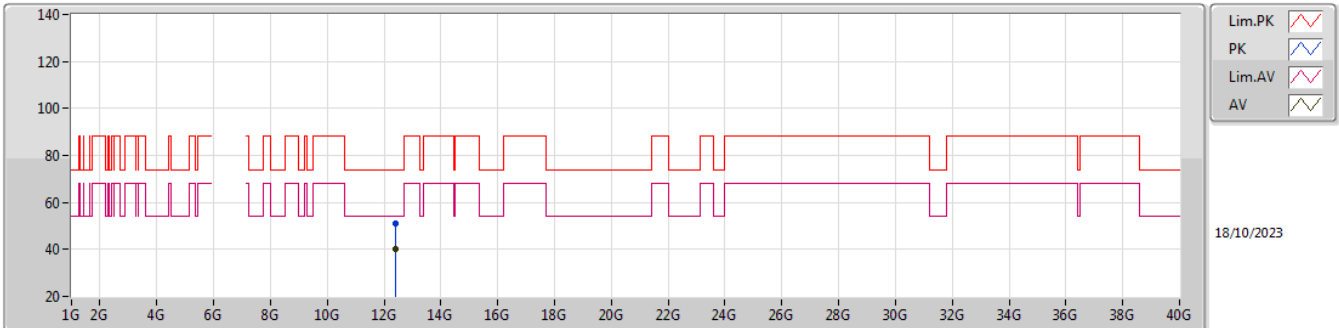


EUT_V_2TX
Setting 14.5
05-E-B-5

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	18.62596G	51.36	83.54	-32.18	45.11	1	Horizontal	177	1.84	-	37.75	18.93	50.43			
AV	18.61632G	48.66	63.54	-14.88	42.43	1	Horizontal	177	1.84	-	37.73	18.92	50.42			

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

6405MHz_TX

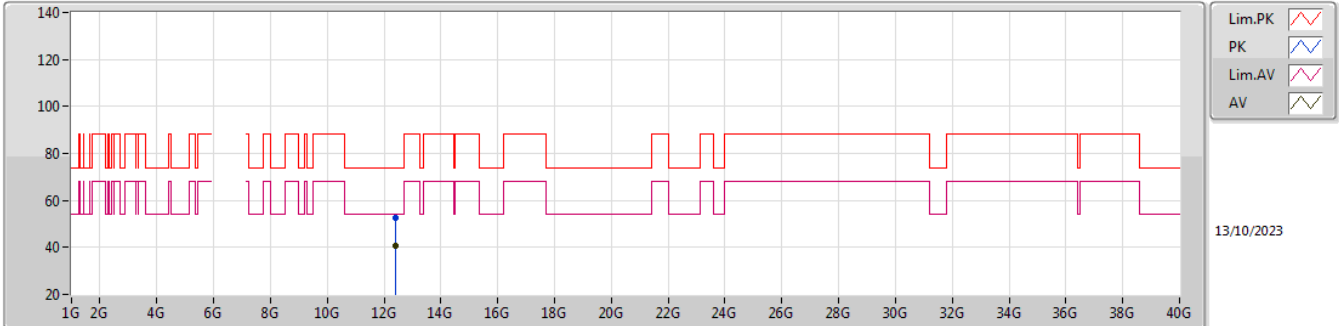


EUT_V_2TX
Setting 14.5
02-E-R-6

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	12.40994G	50.79	74.00	-23.21	46.42	3	Vertical	180	1.48	-	38.60	8.93	43.16			
AV	12.41G	40.34	54.00	-13.66	35.97	3	Vertical	180	1.48	-	38.60	8.93	43.16			

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

6405MHz_TX

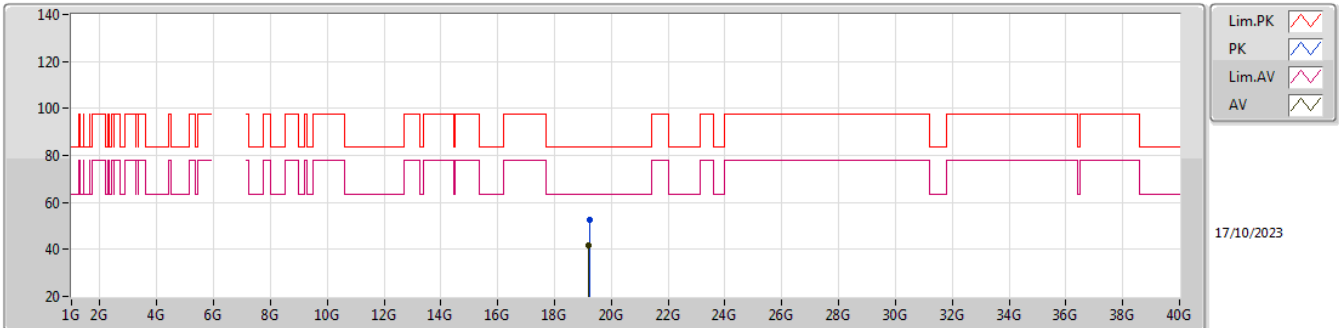


EUT_V_2TX
Setting 16.5
02-E-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	12.40988G	52.35	74.00	-21.65	47.98	3	Horizontal	181	1.64	-	38.60	8.93	43.16			
AV	12.41004G	40.63	54.00	-13.37	36.26	3	Horizontal	181	1.64	-	38.60	8.93	43.16			

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

6405MHz_TX

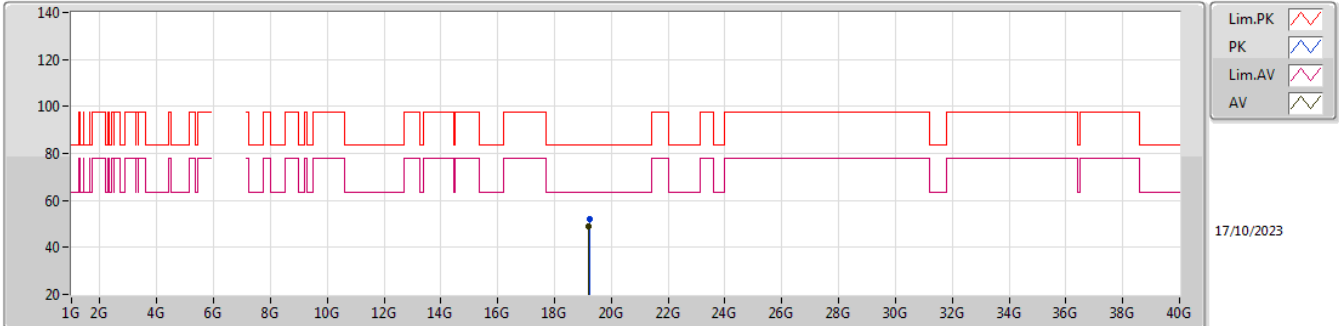


EUT_V_2TX
Setting 14.5
05-E-B-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	19.22588G	52.76	83.54	-30.78	46.54	1	Vertical	190	2.08	-	37.95	19.34	51.07			
AV	19.21688G	41.73	63.54	-21.81	35.48	1	Vertical	190	2.08	-	37.97	19.34	51.06			

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

6405MHz_TX

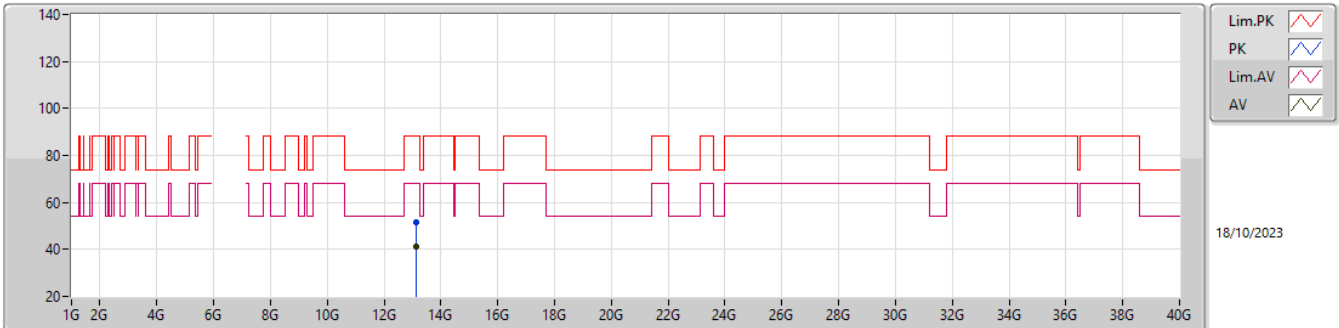


EUT_V_2TX
Setting 14.5
05-E-B-5

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	19.2198G	51.98	83.54	-31.56	45.74	1	Horizontal	187	1.80	-	37.96	19.34	51.06			
AV	19.21764G	49.03	63.54	-14.51	42.79	1	Horizontal	187	1.80	-	37.96	19.34	51.06			

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

6565MHz_TX

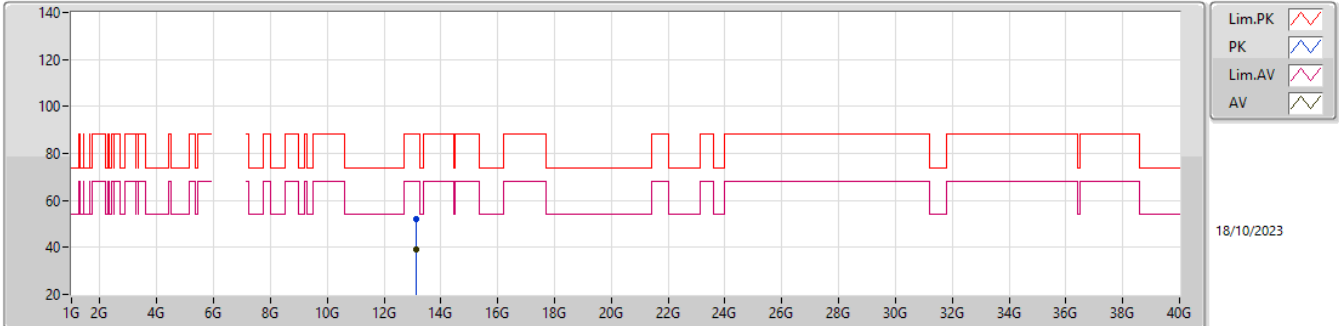


EUT_Y_2TX
Setting 15
02-E-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	13.13548G	51.81	88.20	-36.39	45.35	3	Vertical	185	1.50	-	39.87	9.27	42.68			
RMS	13.13006G	41.41	68.20	-26.79	34.96	3	Vertical	185	1.50	-	39.86	9.27	42.68			

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

6565MHz_TX

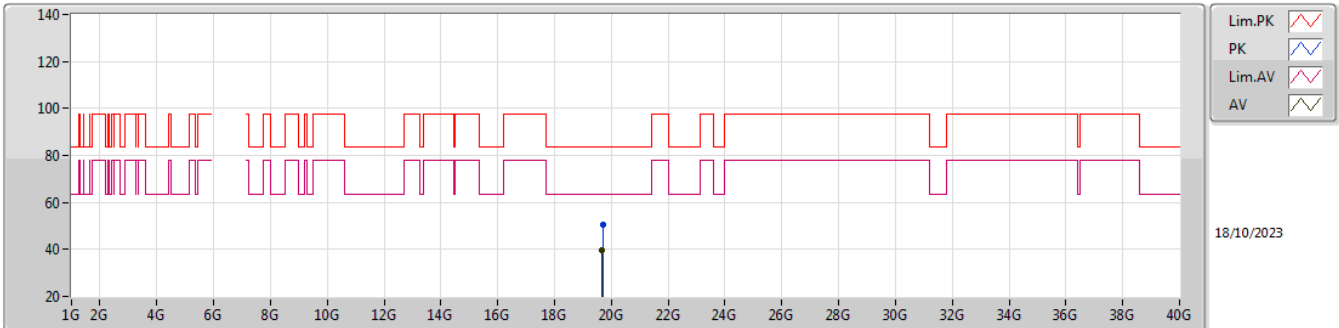


EUT_Y_2TX
Setting 15
02-E-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	13.1246G	52.07	88.20	-36.13	45.64	3	Horizontal	185	1.40	-	39.85	9.26	42.68			
RMS	13.13338G	38.92	68.20	-29.28	32.46	3	Horizontal	185	1.40	-	39.87	9.27	42.68			

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

6565MHz_TX

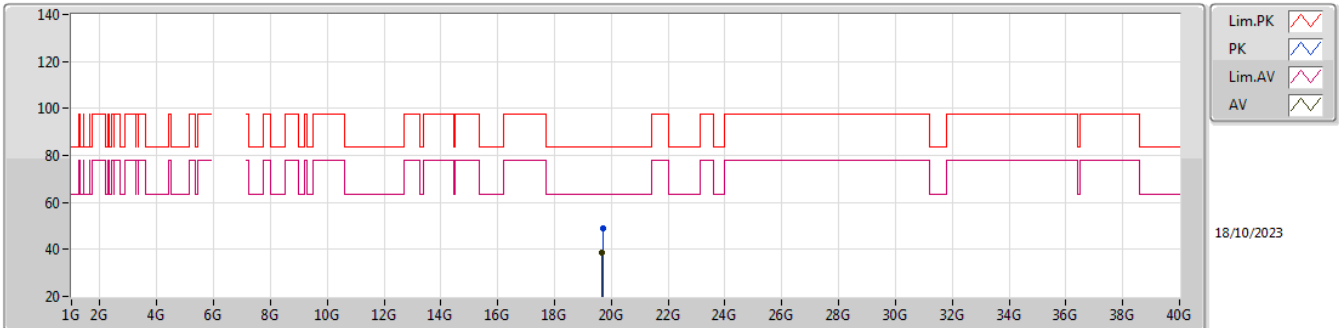


EUT V_2TX
Setting 15
05-E-B-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	19.69712G	50.43	83.54	-33.11	44.54	1	Vertical	183	1.52	-	37.82	19.67	51.60			
AV	19.67564G	39.84	63.54	-23.70	33.82	1	Vertical	183	1.52	-	37.95	19.65	51.58			

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

6565MHz_TX

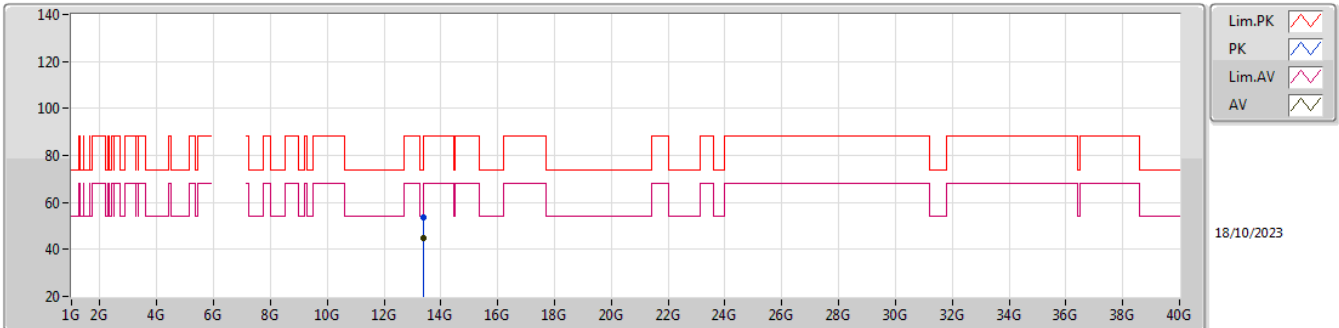


EUT_V_2TX
Setting 15
05-E-B-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	19.68984G	48.83	83.54	-34.71	42.90	1	Horizontal	182	2.30	-	37.86	19.66	51.59			
AV	19.6824G	38.74	63.54	-24.80	32.75	1	Horizontal	182	2.30	-	37.91	19.66	51.58			

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

6685MHz_TX

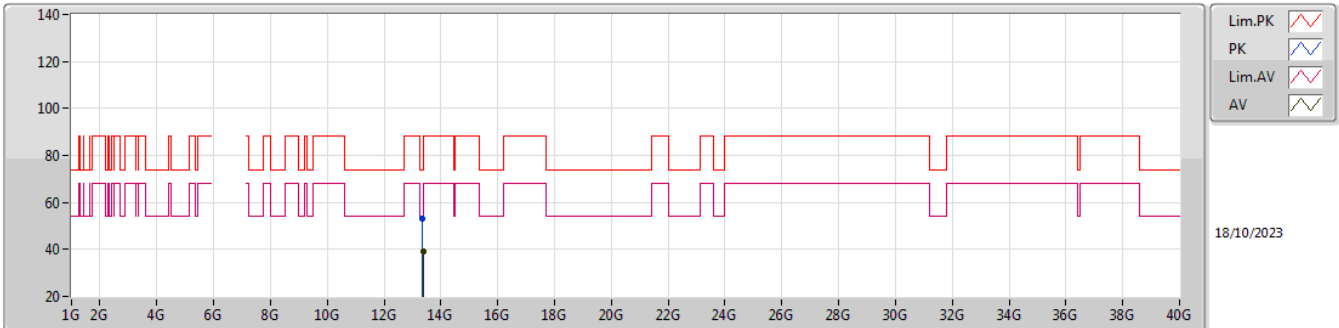


EUT V_2TX
Setting 15
02-E-R-6

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	13.36996G	53.42	74.00	-20.58	46.33	3	Vertical	185	1.39	-	40.44	9.38	42.73			
AV	13.37006G	44.61	54.00	-9.39	37.52	3	Vertical	185	1.39	-	40.44	9.38	42.73			

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

6685MHz_TX

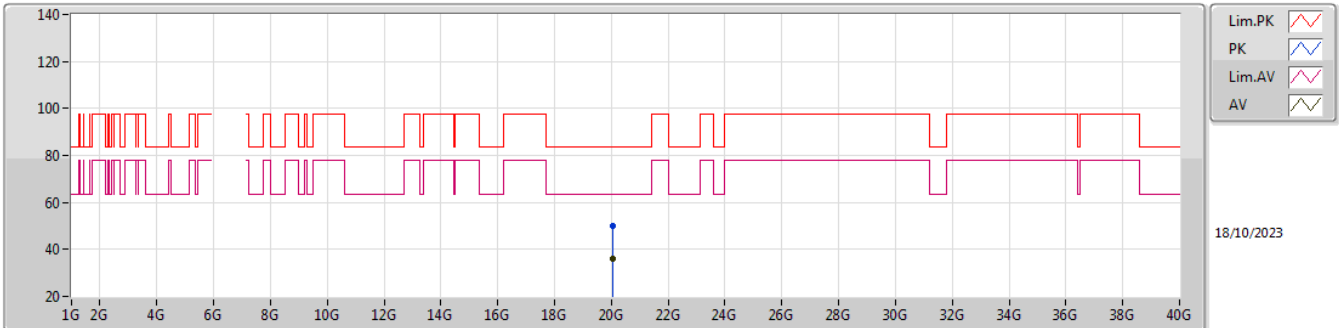


EUT V_2TX
Setting 15
02-E-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	13.36436G	53.05	74.00	-20.95	45.98	3	Horizontal	185	1.40	-	40.43	9.37	42.73			
AV	13.37306G	39.09	54.00	-14.91	31.99	3	Horizontal	185	1.40	-	40.45	9.38	42.73			

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

6685MHz_TX

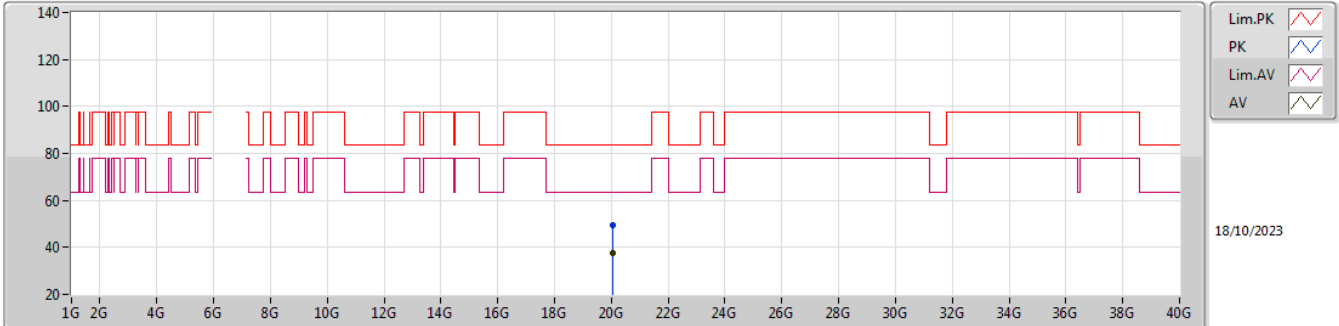


EUT V_2TX
Setting 15
05-E-B-5

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	20.06956G	50.12	83.54	-33.42	44.38	1	Vertical	44	2.21	-	37.78	19.87	51.91			
AV	20.06896G	36.16	63.54	-27.38	30.42	1	Vertical	44	2.21	-	37.78	19.87	51.91			

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

6685MHz_TX

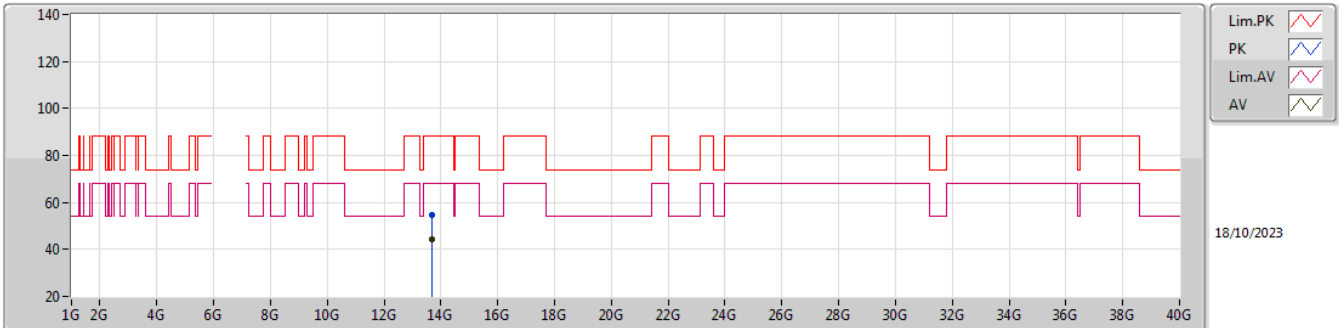


EUT_V_2TX
Setting 15
05-E-B-5

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	20.06096G	49.69	83.54	-33.85	43.99	1	Horizontal	234	2.22	-	37.74	19.87	51.91			
AV	20.068G	37.82	63.54	-25.72	32.09	1	Horizontal	234	2.22	-	37.77	19.87	51.91			

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

6845MHz_TX

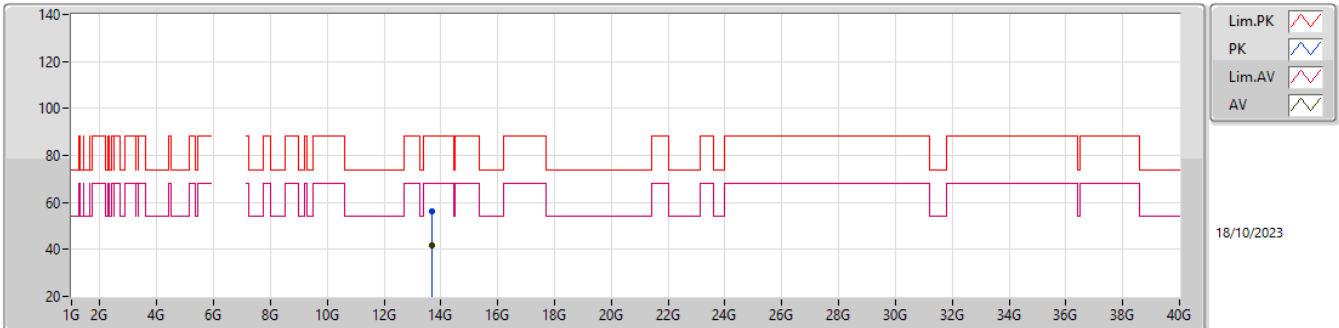


EUT V_2TX
Setting 15
02-E-B-5

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	13.69018G	54.67	88.20	-33.53	46.93	3	Vertical	185	1.40	-	40.86	9.53	42.65			
RMS	13.6901G	44.24	68.20	-23.96	36.50	3	Vertical	185	1.40	-	40.86	9.53	42.65			

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

6845MHz_TX

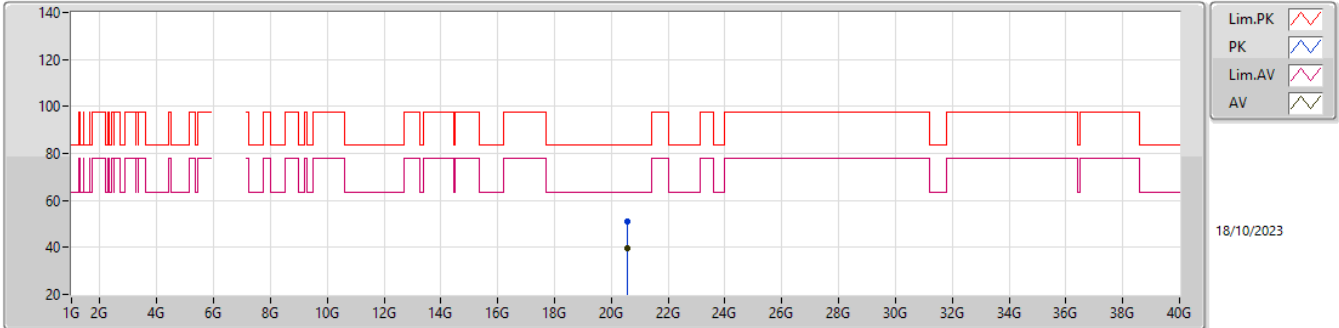


EUT_Y_2TX
Setting 15
02-E-B-5

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	13.6898G	56.07	88.20	-32.13	48.33	3	Horizontal	181	1.40	-	40.86	9.53	42.65			
RMS	13.69988G	41.98	68.20	-26.22	34.19	3	Horizontal	181	1.40	-	40.90	9.53	42.64			

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

6845MHz_TX

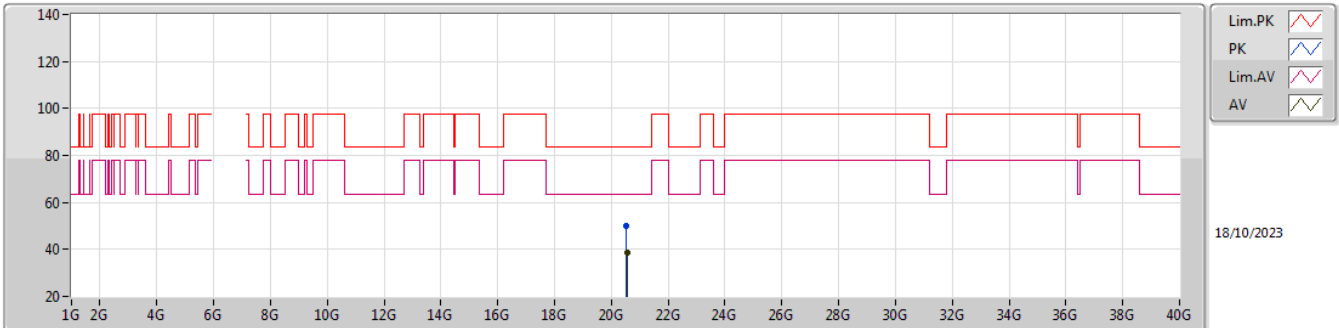


EUT_Y_2TX
Setting 15
05-E-B-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	20.54728G	51.19	83.54	-32.35	45.49	1	Vertical	196	1.78	-	37.88	19.83	52.01			
AV	20.54872G	39.58	63.54	-23.96	33.87	1	Vertical	196	1.78	-	37.89	19.83	52.01			

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

6845MHz_TX

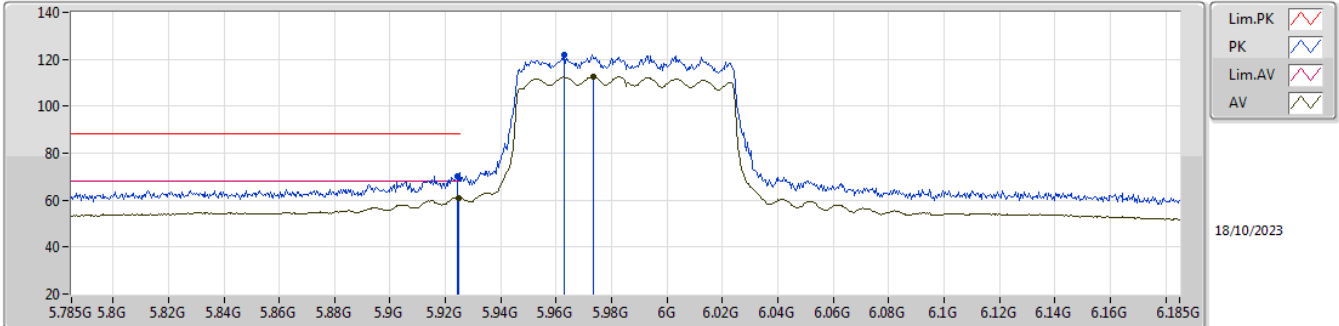


EUT_V_2TX
Setting 15
05-E-B-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	20.52548G	50.18	83.54	-33.36	44.61	1	Horizontal	279	1.19	-	37.75	19.83	52.01			
AV	20.54828G	38.49	63.54	-25.05	32.78	1	Horizontal	279	1.19	-	37.89	19.83	52.01			

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5985MHz_TX

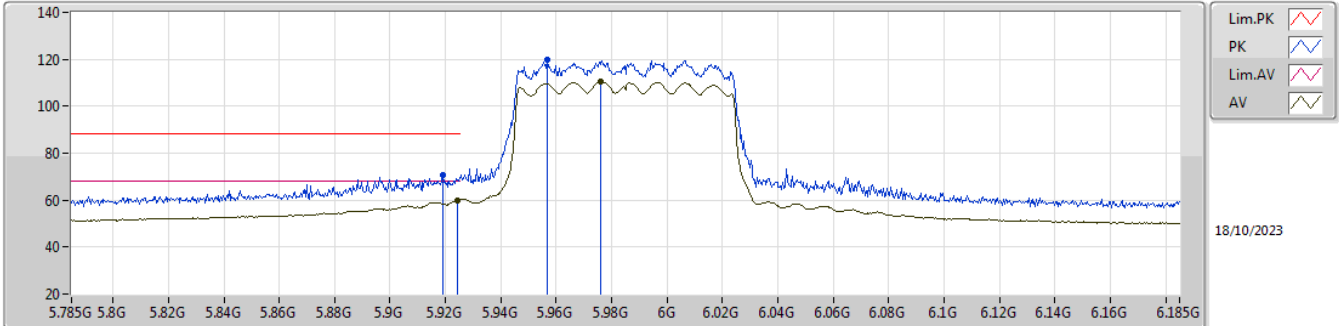


EUT V_2TX
Setting 14.5
02-E-R-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.9242G	70.12	88.20	-18.08	61.26	3	Vertical	-0	1.80	-	34.25	5.77	31.16			
RMS	5.9246G	61.10	68.20	-7.10	52.24	3	Vertical	-0	1.80	-	34.25	5.77	31.16			
PK	5.963G	121.88	Inf	-Inf	112.94	3	Vertical	-0	1.80	-	34.30	5.81	31.17			
RMS	5.9734G	112.46	Inf	-Inf	103.52	3	Vertical	-0	1.80	-	34.30	5.82	31.18			

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5985MHz_TX

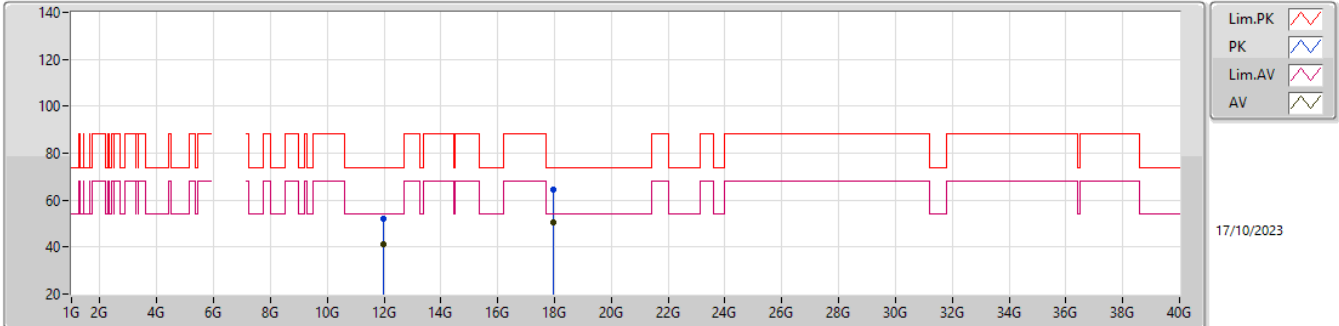


EUT_V_2TX
Setting 14.5
02-E-R-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.919G	70.68	88.20	-17.52	61.83	3	Horizontal	360	1.70	-	34.24	5.76	31.15			
RMS	5.9242G	60.01	68.20	-8.19	51.15	3	Horizontal	360	1.70	-	34.25	5.77	31.16			
PK	5.9566G	119.99	Inf	-Inf	111.06	3	Horizontal	360	1.70	-	34.30	5.80	31.17			
RMS	5.9758G	110.66	Inf	-Inf	101.72	3	Horizontal	360	1.70	-	34.30	5.82	31.18			

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5985MHz_TX

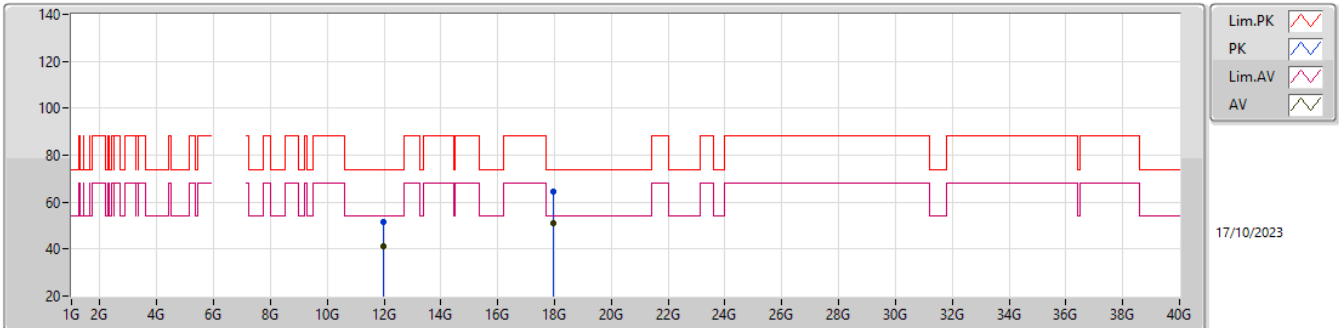


EUT_Y_2TX
Setting 14.5
02-E-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.96998G	51.85	74.00	-22.15	47.04	3	Vertical	182	1.40	-	39.30	8.73	43.22			
AV	11.97004G	41.24	54.00	-12.76	36.43	3	Vertical	182	1.40	-	39.30	8.73	43.22			
PK	17.96032G	64.52	74.00	-9.48	47.53	3	Vertical	178	1.50	-	46.60	11.64	41.25			
AV	17.9568G	50.55	54.00	-3.45	33.57	3	Vertical	178	1.50	-	46.60	11.64	41.26			

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5985MHz_TX

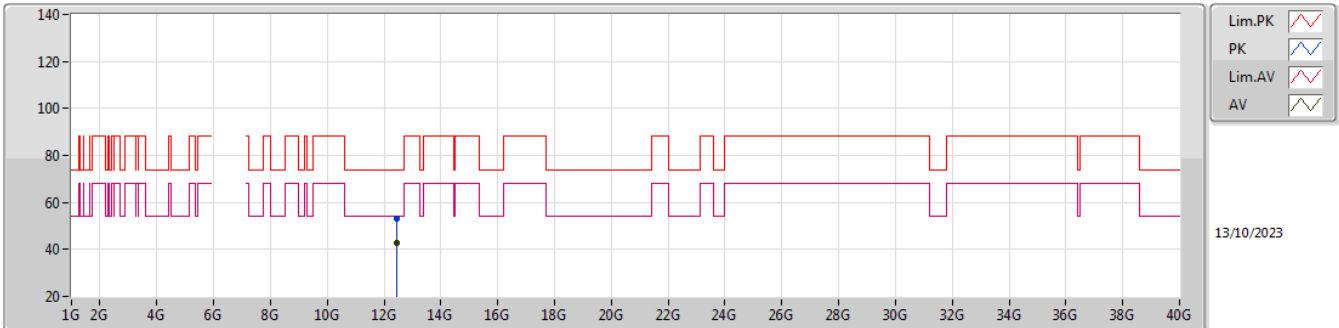


EUT_Y_2TX
Setting 14.5
02-E-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.96456G	51.69	74.00	-22.31	46.89	3	Horizontal	185	1.40	-	39.30	8.73	43.23			
AV	11.96998G	41.03	54.00	-12.97	36.22	3	Horizontal	185	1.40	-	39.30	8.73	43.22			
PK	17.95362G	64.32	74.00	-9.68	47.34	3	Horizontal	12	1.98	-	46.60	11.64	41.26			
AV	17.95528G	50.81	54.00	-3.19	33.83	3	Horizontal	12	1.98	-	46.60	11.64	41.26			

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

6225MHz_TX

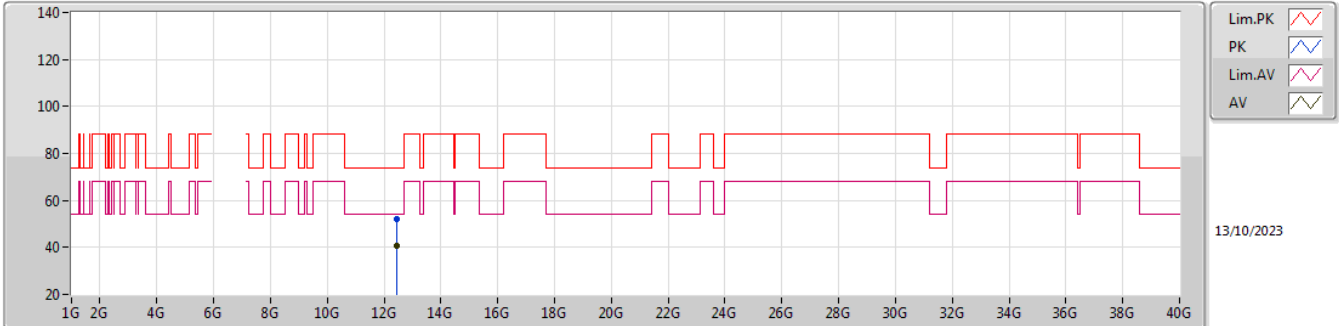


EUT V_2TX
Setting 14.5
02-E-R-6

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	12.4498G	52.86	74.00	-21.14	48.47	3	Vertical	179	1.40	-	38.60	8.95	43.16			
AV	12.44996G	42.66	54.00	-11.34	38.27	3	Vertical	179	1.40	-	38.60	8.95	43.16			

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

6225MHz_TX

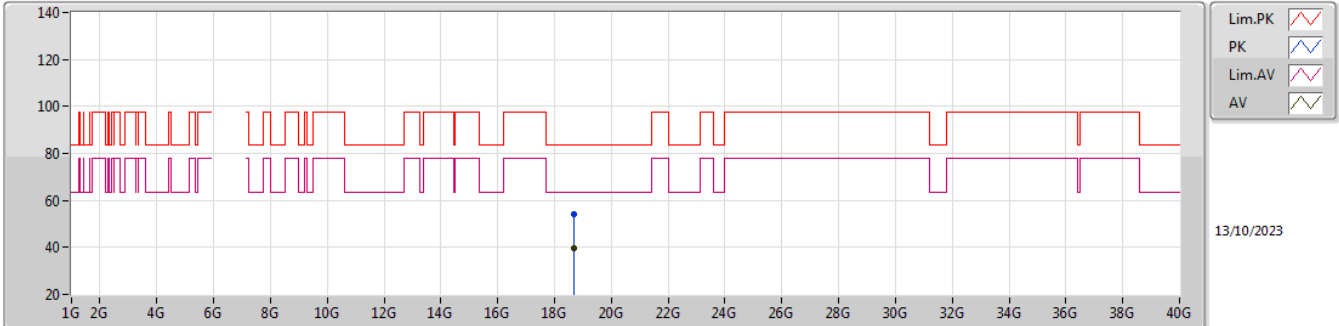


EUT_V_2TX
Setting 14.5
02-E-R-6

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	12.44238G	51.83	74.00	-22.17	47.44	3	Horizontal	185	1.45	-	38.60	8.95	43.16			
AV	12.45002G	40.47	54.00	-13.53	36.08	3	Horizontal	185	1.45	-	38.60	8.95	43.16			

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

6225MHz_TX

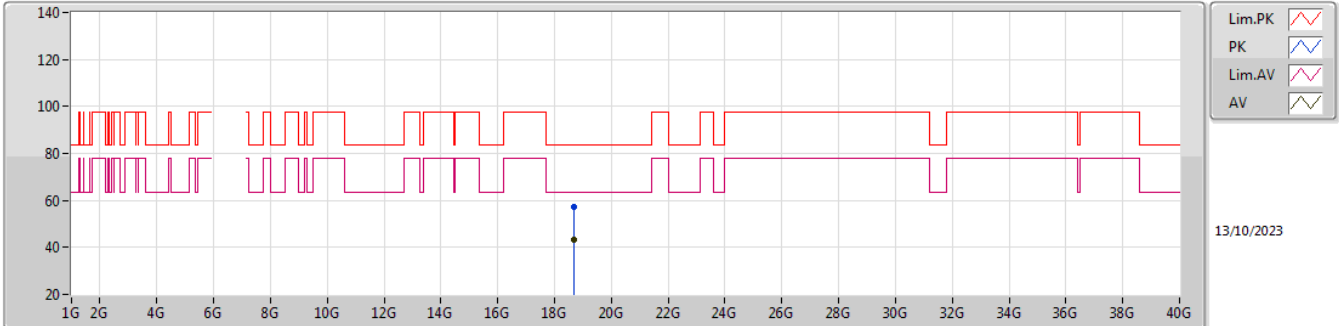


EUT_V_2TX
Setting 14.5
05-E-B-5

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	18.67872G	54.20	83.54	-29.34	48.03	1	Vertical	207	1.81	-	37.69	18.96	50.48			
AV	18.66556G	39.65	63.54	-23.89	33.43	1	Vertical	207	1.81	-	37.74	18.95	50.47			

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

6225MHz_TX

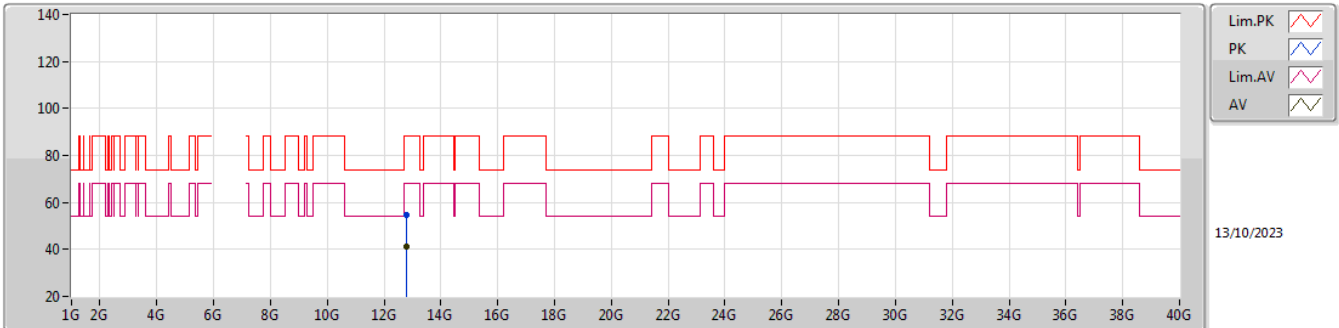


EUT_V_2TX
Setting 14.5
05-E-B-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	18.6866G	57.12	83.54	-26.42	50.99	1	Horizontal	177	1.81	-	37.65	18.97	50.49			
AV	18.67548G	43.22	63.54	-20.32	37.04	1	Horizontal	177	1.81	-	37.70	18.96	50.48			

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

6385MHz_TX

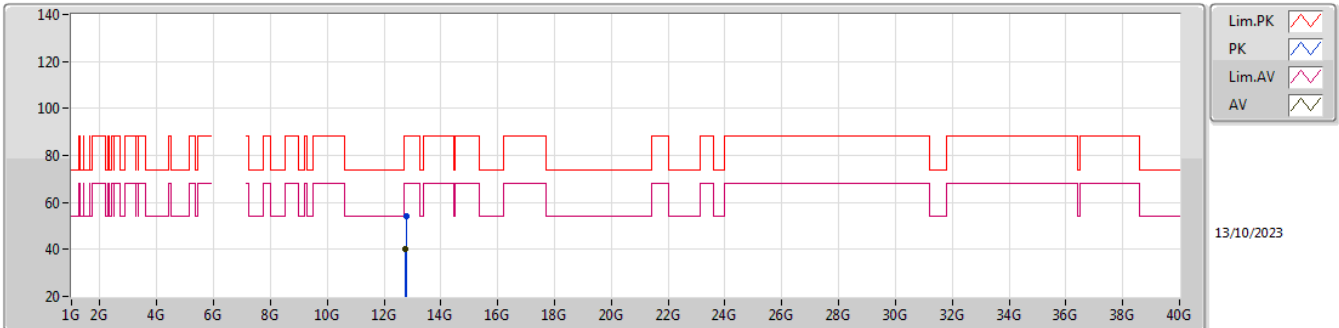


EUT_V_2TX
Setting 14.5
02-E-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	12.77464G	54.56	88.20	-33.64	49.54	3	Vertical	185	1.40	-	38.80	9.10	42.88			
RMS	12.77458G	41.39	68.20	-26.81	36.37	3	Vertical	185	1.40	-	38.80	9.10	42.88			

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

6385MHz_TX

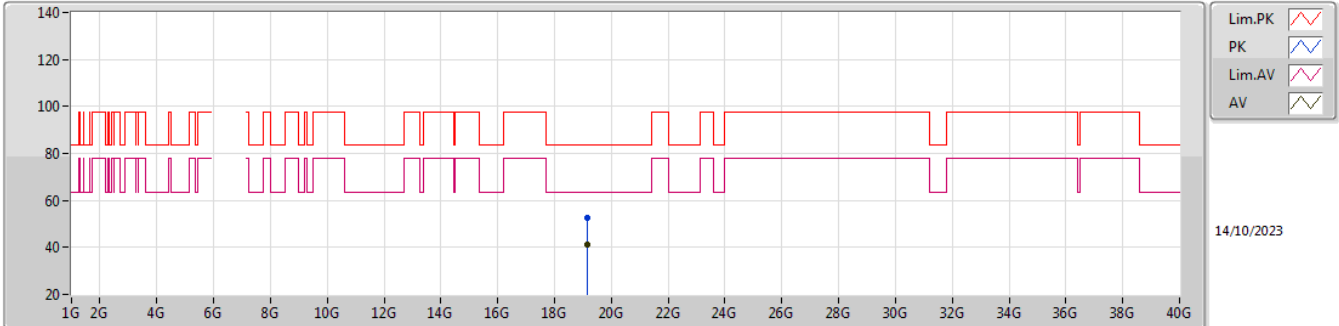


EUT_V_2TX
Setting 14.5
02-E-R-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	12.77464G	54.00	88.20	-34.20	48.98	3	Horizontal	181	1.42	-	38.80	9.10	42.88			
RMS	12.76322G	39.98	68.20	-28.22	35.03	3	Horizontal	181	1.42	-	38.75	9.09	42.89			

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

6385MHz_TX

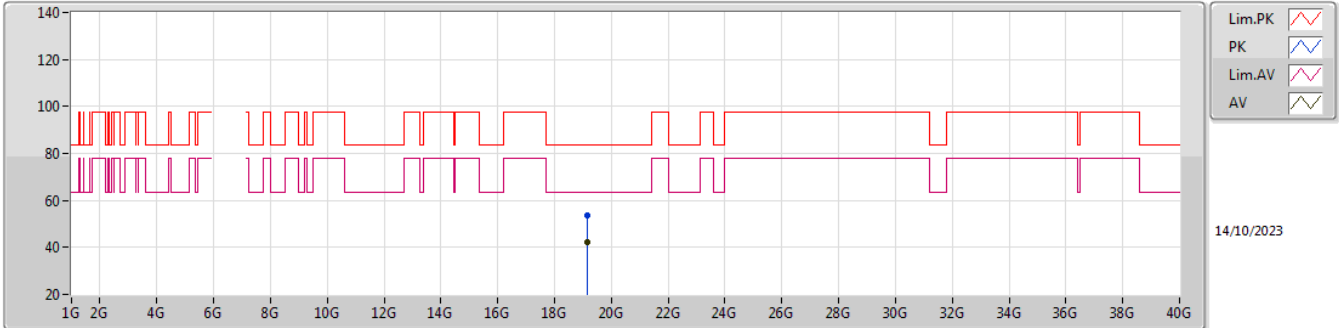


EUT_V_2TX
Setting 14.5
05-E-B-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	19.16288G	52.66	83.54	-30.88	46.58	1	Vertical	81	1.93	-	37.78	19.30	51.00			
AV	19.135G	41.03	63.54	-22.51	34.95	1	Vertical	81	1.93	-	37.76	19.28	50.96			

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

6385MHz_TX

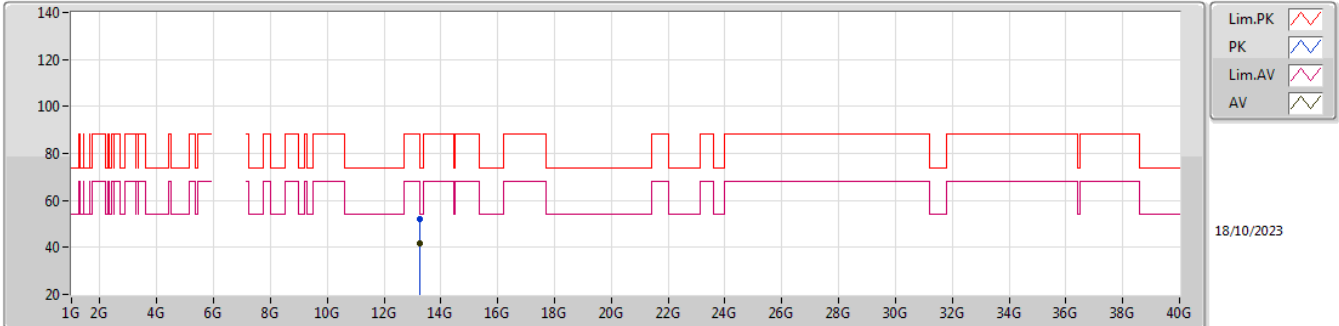


EUT_V_2TX
Setting 14.5
05-E-B-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	19.14024G	53.57	83.54	-29.97	47.52	1	Horizontal	188	2.46	-	37.74	19.28	50.97			
AV	19.13524G	42.07	63.54	-21.47	35.99	1	Horizontal	188	2.46	-	37.76	19.28	50.96			

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

6625MHz_TX

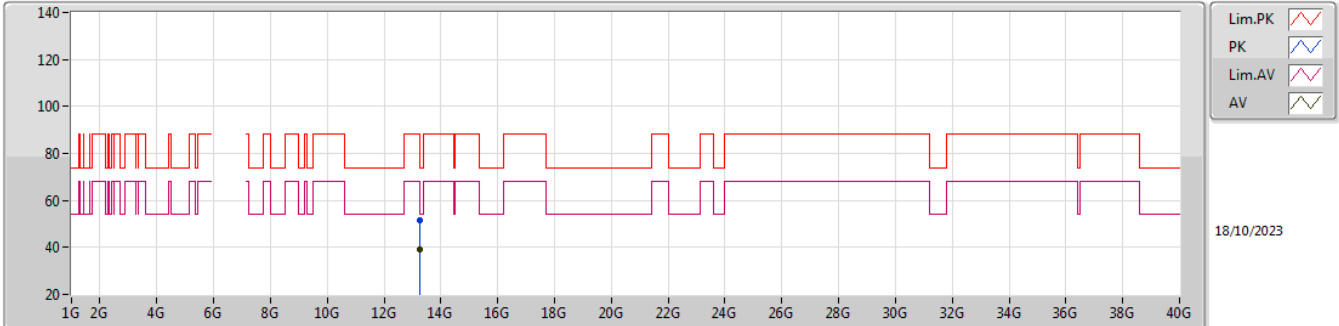


EUT_V_2TX
Setting 15
02-E-R-6

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	13.25006G	51.97	74.00	-22.03	45.06	3	Vertical	196	1.35	-	40.30	9.32	42.71			
AV	13.25002G	41.64	54.00	-12.36	34.73	3	Vertical	196	1.35	-	40.30	9.32	42.71			

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

6625MHz_TX

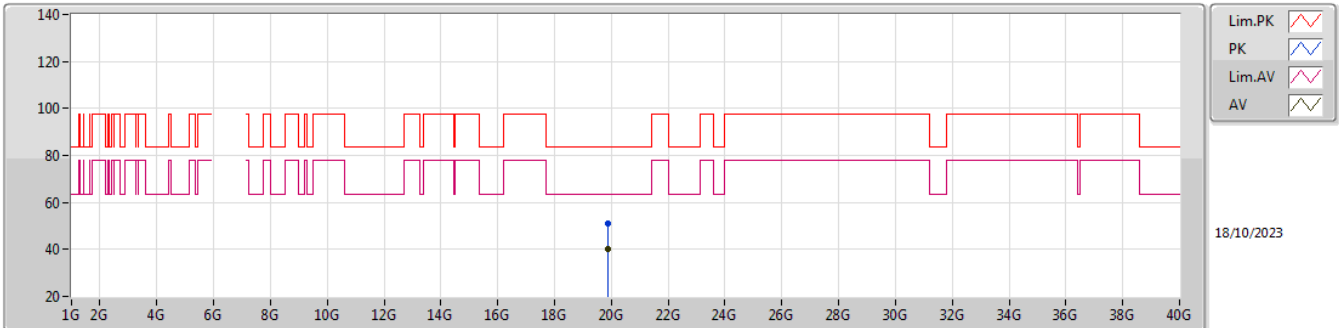


EUT_V_2TX
Setting 15
02-E-R-6

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	13.25906G	51.32	74.00	-22.68	44.38	3	Horizontal	178	1.41	-	40.32	9.33	42.71			
AV	13.25004G	39.13	54.00	-14.87	32.22	3	Horizontal	178	1.41	-	40.30	9.32	42.71			

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

6625MHz_TX

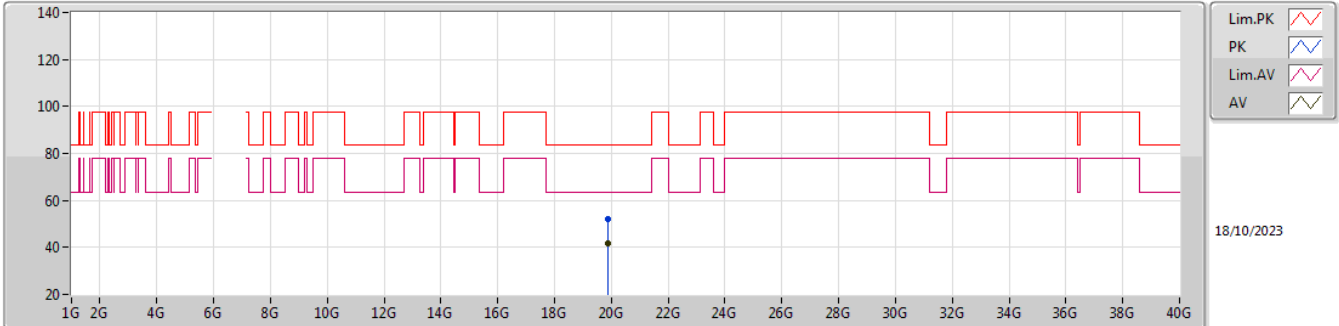


EUT V_2TX
Setting 15
05-E-B-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	19.88964G	51.21	83.54	-32.33	45.36	1	Vertical	103	1.85	-	37.84	19.80	51.79			
AV	19.8948G	40.32	63.54	-23.22	34.43	1	Vertical	103	1.85	-	37.87	19.81	51.79			

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

6625MHz_TX

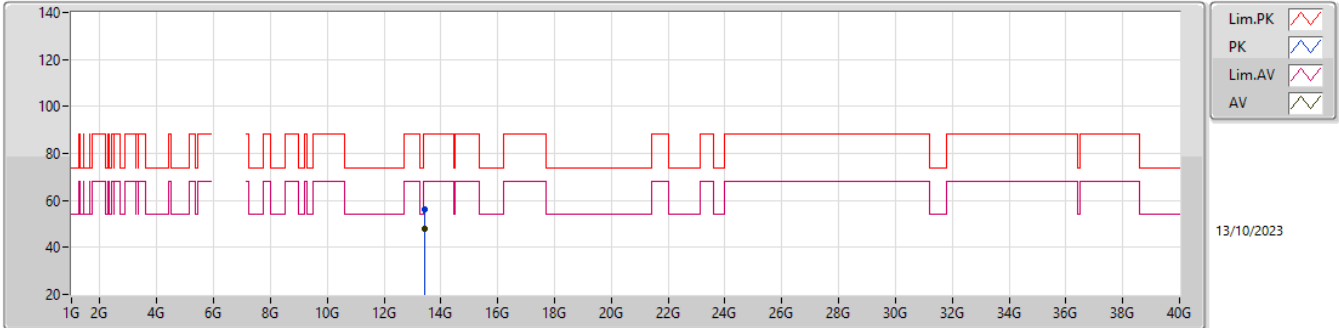


EUT V_2TX
Setting 15
05-E-B-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	19.88384G	52.01	83.54	-31.53	46.19	1	Horizontal	275	1.37	-	37.80	19.80	51.78			
AV	19.8946G	41.98	63.54	-21.56	36.09	1	Horizontal	275	1.37	-	37.87	19.81	51.79			

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

6705MHz_TX

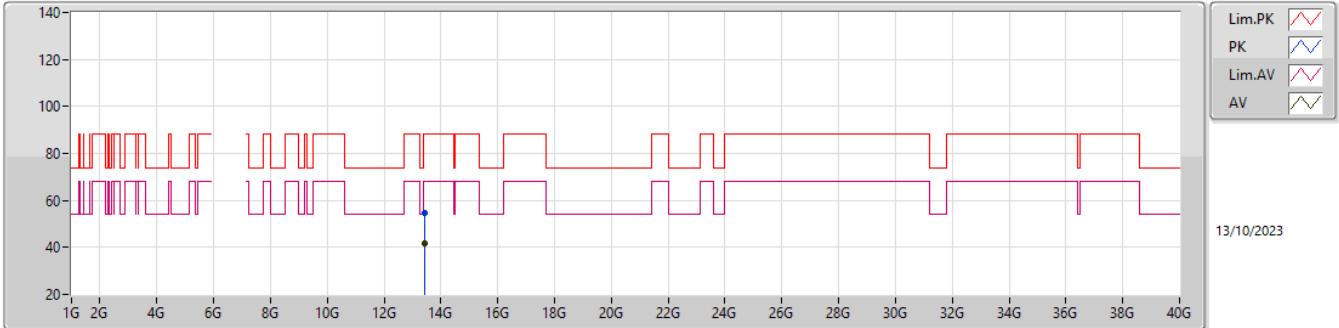


EUT_Y_2TX
Setting 15
02-E-R-6

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	13.4101G	55.99	88.20	-32.21	48.83	3	Vertical	186	1.46	-	40.50	9.40	42.74			
RMS	13.40998G	47.74	68.20	-20.46	40.58	3	Vertical	186	1.46	-	40.50	9.40	42.74			

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

6705MHz_TX

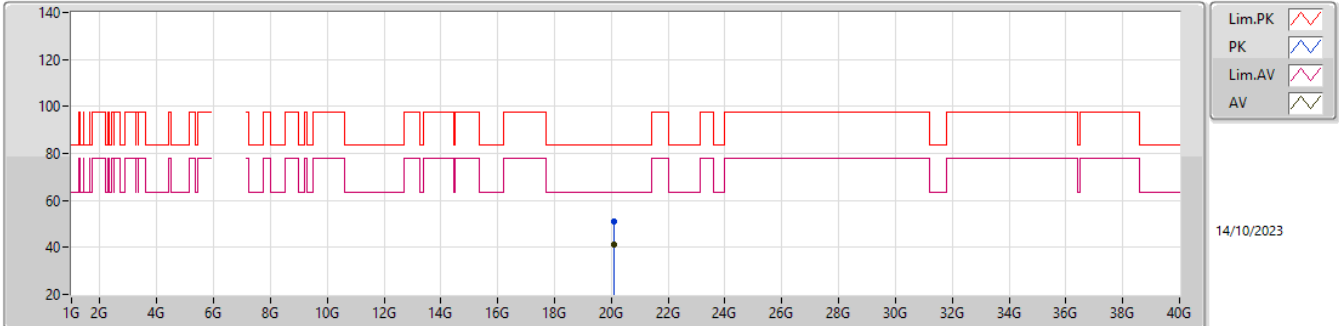


EUT_Y_2TX
Setting 15
02-E-R-6

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	13.41064G	54.60	88.20	-33.60	47.44	3	Horizontal	184	1.34	-	40.50	9.40	42.74			
RMS	13.40996G	41.64	68.20	-26.56	34.48	3	Horizontal	184	1.34	-	40.50	9.40	42.74			

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

6705MHz_TX

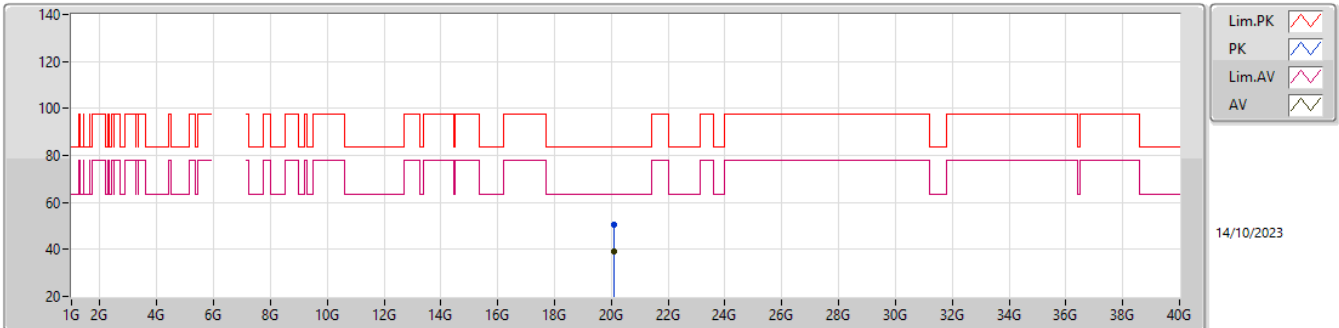


EUT_Y_2TX
Setting 15
05-E-B-5

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	20.10136G	50.93	83.54	-32.61	45.09	1	Vertical	300	1.28	-	37.89	19.87	51.92			
AV	20.10176G	41.13	63.54	-22.41	35.29	1	Vertical	300	1.28	-	37.89	19.87	51.92			

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

6705MHz_TX

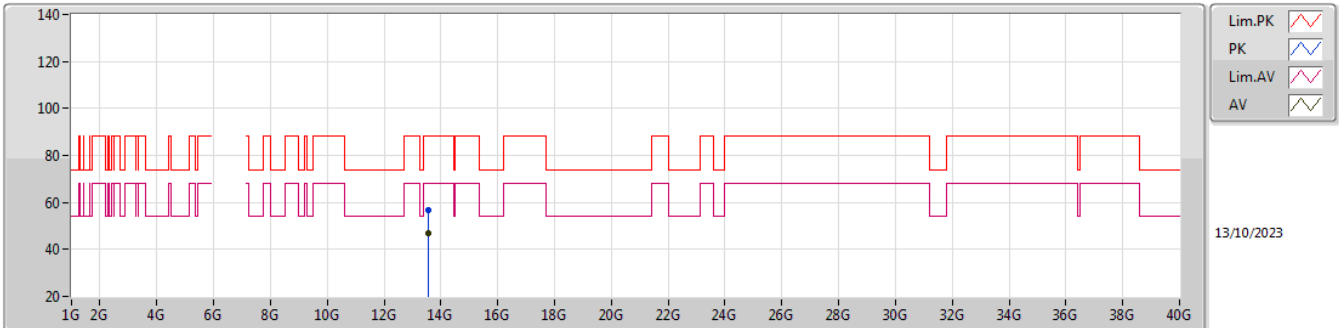


EUT_Y_2TX
Setting 15
05-E-B-5

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	20.10332G	50.40	83.54	-33.14	44.57	1	Horizontal	232	1.16	-	37.88	19.87	51.92			
AV	20.1012G	39.02	63.54	-24.52	33.18	1	Horizontal	232	1.16	-	37.89	19.87	51.92			

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

6785MHz_TX



EUT V_2TX
Setting 15
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	13.57012G	56.59	88.20	-31.61	49.14	3	Vertical	182	1.45	-	40.70	9.47	42.72			
RMS	13.56996G	47.11	68.20	-21.09	39.66	3	Vertical	182	1.45	-	40.70	9.47	42.72			