



RADIO TEST REPORT

FCC ID : MSQ-RTBE7L00
Equipment : ASUS RT-BE92U BE9700 Tri-band WiFi7 Router
Brand Name : ASUS
Model Name : RT-BE92U,RT-BE9700
Applicant : ASUSTeK COMPUTER INC.
1F., No. 15, Lide Rd., Beitou, Taipei City 112, Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Apr. 22, 2024, and testing was started from Apr. 22, 2024 and completed on Jul. 04, 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 report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.



Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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



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Photographs of EUT v01



Summary of Test Result

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

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: Sandy Chuang**



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), VHT20, ax (HEW20), be (EHT20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40, ax (HEW40), be (EHT40)	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	3TX
2.4-2.4835GHz	802.11g	20	3TX
2.4-2.4835GHz	802.11n HT20	20	3TX
2.4-2.4835GHz	802.11n HT20-BF	20	3TX
2.4-2.4835GHz	VHT20	20	3TX
2.4-2.4835GHz	VHT20-BF	20	3TX
2.4-2.4835GHz	802.11ax HEW20	20	3TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	3TX
2.4-2.4835GHz	802.11be EHT20	20	3TX
2.4-2.4835GHz	802.11be EHT20-BF	20	3TX
2.4-2.4835GHz	802.11n HT40	40	3TX
2.4-2.4835GHz	802.11n HT40-BF	40	3TX
2.4-2.4835GHz	VHT40	40	3TX
2.4-2.4835GHz	VHT40-BF	40	3TX
2.4-2.4835GHz	802.11ax HEW40	40	3TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	3TX
2.4-2.4835GHz	802.11be EHT40	40	3TX
2.4-2.4835GHz	802.11be EHT40-BF	40	3TX



Note:

- ◆ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ◆ 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ◆ VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ◆ HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ◆ EHT20, EHT40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM modulation.
- ◆ BWch is the nominal channel bandwidth.



1.1.2 Antenna Information

Ant.	Port			Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	2.4GHz	5GHz	6GHz					
1	3	1	-	WHA Yu	C660-510630-A	Dipole Antenna	I-PEX	Note1
2	2	2	-	WHA Yu	C660-510631-A	Dipole Antenna	I-PEX	
3	1	-	-	WHA Yu	C660-510634-A	Dipole Antenna	I-PEX	
4	-	-	1	WHA Yu	C660-510632-A	Dipole Antenna	I-PEX	
5	-	-	2	WHA Yu	C660-510633-A	Dipole Antenna	I-PEX	

Note 1:

Antenna Configuration 1 for 2.4GHz/5GHz: External antenna vertical, internal antenna fixed (hor.)

Freq(Hz)	2.4G	2.45G	2.4835G	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	1.72	2.46	2.64	2.41	2.6	3.29	3.78
Ant. 2 Max Gain (dBi)	1.23	1.94	2.33	3.22	2.75	3.82	4.45
Ant. 3 Max Gain (dBi)	3.78	2.99	3.12	-	-	-	-
DG [1SS] (dBi)	4.34	5.07	5.05	4.64	5.15	6.08	6.46
DG [2SS] (dBi)	3.78	2.99	3.12	3.22	2.75	3.82	4.45
DG [3SS] (dBi)	3.78	2.99	3.12	-	-	-	-

Antenna Configuration 2 for 2.4GHz/5GHz: External antenna horizontal, internal antenna fixed (hor.)

Freq(Hz)	2.4G	2.45G	2.4835G	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	2.03	1.52	1.93	1.97	1.6	1.89	1.9
Ant. 2 Max Gain (dBi)	-0.27	0.76	0.49	2.99	3.18	3.61	4.04
Ant. 3 Max Gain (dBi)	3.78	2.99	3.12	-	-	-	-
DG [1SS] (dBi)	3.78	4	4.08	2.99	3.18	3.88	4.04
DG [2SS] (dBi)	3.78	2.99	3.12	2.99	3.18	3.61	4.04
DG [3SS] (dBi)	3.78	2.99	3.12	-	-	-	-

For RF conducted test: Selected the highest gain to test from each band of antenna configuration.

For AC Power-line Conducted Emissions and Radiated test: Antenna configuration 1 generated the highest gain, thus it was selected to test.

Ant.	Port	Antenna Gain (dBi)
	WLAN 6GHz	WLAN 6GHz
4	1	3.0
5	2	3.2

Note 2: The above information (excepting antenna 1~3 gain and directional gain) was declared by manufacturer.

Note 3: For 2.4GHz/5GHz, the antenna gain and directional gain are measured which follow the procedure of KDB 662911 D03.



Note 4: For 6GHz Directional gain information

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

Ex.

Directional Gain (NSS1) fomula :

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

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

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

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2 / N_{ANT}] => 10$$

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

Where ;

6E UNII-5 G1 = 3.00 dBi; G2 = 3.20 dBi;

6E UNII-6 G1 = 3.00 dBi; G2 = 3.20 dBi;

6E UNII-7 G1 = 3.00 dBi; G2 = 3.20 dBi;

6E UNII-8 G1 = 3.00 dBi; G2 = 3.20 dBi;

6E UNII-5 DG = 6.11 dBi

6E UNII-6C DG = 6.11 dBi

6E UNII-7 DG = 6.11 dBi

6E UNII-8 DG = 6.11 dBi



Note 5:

For 2.4GHz function:

For IEEE 802.11b/g/n/VHT/ax/be (3TX/3RX):

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

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

For 5GHz function:

For IEEE 802.11a/n/ac/ax/be (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 802.11a/ax/be (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

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss1,(1Mbps)_3TX	0.968	0.14	10.115m	100
802.11g_Nss1,(6Mbps)_3TX	0.974	0.11	5.4m	300
802.11be EHT20-BF_Nss1,(MCS0)_3TX	0.974	0.11	5.403m	300
802.11be EHT40-BF_Nss1,(MCS0)_3TX	0.982	0.08	5.403m	10

Note:

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



1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	<input checked="" type="checkbox"/>	With beamforming	<input type="checkbox"/>	Without beamforming
	The product has beamforming function for n/VHT/ax/be in 2.4GHz, n/ac/ax/be in 5GHz and ax/be in 6GHz.			
Function	<input checked="" type="checkbox"/>	Point-to-multipoint	<input type="checkbox"/>	Point-to-point
Support RU	<input checked="" type="checkbox"/>	Full RU	<input type="checkbox"/>	Partial RU
Test Software Version	RF Conducted: accessMtool 3.3.0.4 RF Radiated: <Non-beamforming mode>: accessMtool 3.3.0.4 <Beamforming mode>: DOS v6.1.7601			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

Model Name	Description
RT-BE92U	All the models are identical, the different models served as a marketing strategy.
RT-BE9700	

Note 1: From the above models, model: RT-BE92U 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 EUT Supports Functions

Function	Support Type	Support Band
AP Router	Master	2.4GHz/5GHz/6GHz
Bridge	Slave without Radar	2.4GHz/5GHz
Extender	Master	2.4GHz/5GHz/6GHz
Mesh	Master	2.4GHz/5GHz/6GHz

Note 1: The AP Router (Master) mode has been tested and recorded in this test report.

Note 2: The USB port on this device supports both storage and WWAN functionality.

Note 3: The above information was declared by manufacturer.



1.2 Applicable Standards

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

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

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

- ♦ FCC KDB 558074 D01 v05r02
- ♦ FCC KDB 662911 D03 v01
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH02-CB	Brian Sun	22.9~24.1 / 59~63	May 30, 2024~ Jun. 06, 2024
Radiated below 1GHz	03CH06-CB	Jackson Peng	21.9-22.4 / 55-58	Apr. 22, 2024~ Jun. 14, 2024
	03CH02-CB	Jackson Peng	22-23 / 55-58	
Radiated above 1GHz	03CH04-CB	Jackson Peng	22.7-23.8 / 56-59	Apr. 22, 2024~ Jun. 14, 2024
	03CH06-CB	Jackson Peng	22.7-23.8 / 56-59	
Radiated Emission Co-location	03CH06-CB	Jackson Peng	22.7-23.8 / 56-59	Jul. 04, 2024
AC Conduction	CO01-CB	Tim Chen	23~24 / 58~60	Jun. 14, 2024



1.4 Measurement Uncertainty

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

Test Date: Before May 28, 2024

Test Items	Uncertainty	Remark
Radiated Emission (9kHz ~ 30MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.2%	Confidence levels of 95%

Test Date: Test Date: After May 27, 2024

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.0 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.1 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode
802.11b_Nss1,(1Mbps)_3TX
2412MHz
2417MHz
2437MHz
2462MHz
802.11g_Nss1,(6Mbps)_3TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz
802.11be EHT20-BF_Nss1,(MCS0)_3TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz
802.11be EHT40-BF_Nss1,(MCS0)_3TX
2422MHz
2437MHz
2447MHz
2452MHz

Note:

- ♦ EHT20 / EHT40 covers HT20 / HT40 / VHT20 / VHT40 / HEW20 / HEW40 due to similar modulation. The power setting for HT20 / HT40 / VHT20 / VHT40 / HEW20 / HEW40 is the same or lower than EHT20 / EHT40.
- ♦ The EUT supports non-beamforming and beamforming modes, after evaluating, the beamforming mode has been selected to test.



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	AP Router mode - EUT_WAN mode_10G WAN/LAN 1 (WAN) + 2.5G WAN/LAN 1 (LAN) + 2.5G LAN 2 (LAN) + USB3.0 (R/W)
2	AP Router mode - EUT_WAN mode_2.5G WAN/LAN 1 (WAN) + 10G WAN/LAN 1 (LAN) + 2.5G LAN 2 (LAN) + USB3.0 (R/W)
3	AP Router mode - EUT_WAN mode_2.5G WAN/LAN 1 (WAN) + 10G WAN/LAN 1 (LAN) + 2.5G LAN 2 (LAN) + USB3.0 (R/W)
For operating mode 1 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.	
1	EUT in Y axis_WLAN 2.4GHz
2	EUT in Y axis _WLAN 5GHz
3	EUT in Y axis_WLAN 6GHz
For operating mode 3 is the worst case and it was record in this test 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



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.	
1	EUT in Y axis_WLAN 2.4GHz+ WLAN 5GHz
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	EUT + WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz
2	EUT + WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz + WWAN
Refer to Sporton Test Report No.: FA442307 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

<Non-beamforming mode>

The EUT was programmed to be in continuously transmitting mode.

<Beamforming mode>

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS v6.1.7601
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Client and transmit duty cycle no less than 98%.

For Normal Link Mode:

During the test, the EUT operation to normal function.



2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter	LEI	MU36D1120300-A1	Input: 100-240V ~ 50/60Hz, 1.0A Output: 12V, 3A
Other			
RJ-45 cable*1, Shielded, 1.5m			

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Flash disk3.0	Transcend	JetFlash-703	N/A
B	10G WAN/LAN1 (WAN) PC	ASUS	S300TA	TX2-RTL8821CE
C	2.5G WAN/LAN1 (LAN) NB	DELL	E6430	N/A
D	2.5G LAN2 NB	DELL	E6430	N/A
E	2.5G LAN4 NB	DELL	E6430	N/A
F	2.4G NB	DELL	E6430	N/A
G	5G NB	DELL	E6430	N/A
H	6E Device	INTEL	BE200	PD9BE200NG
I	6E NB	DELL	E7240	N/A

For Radiated (below 1GHz):

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



For Radiated (above 1GHz):

<Non-beamforming mode>

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

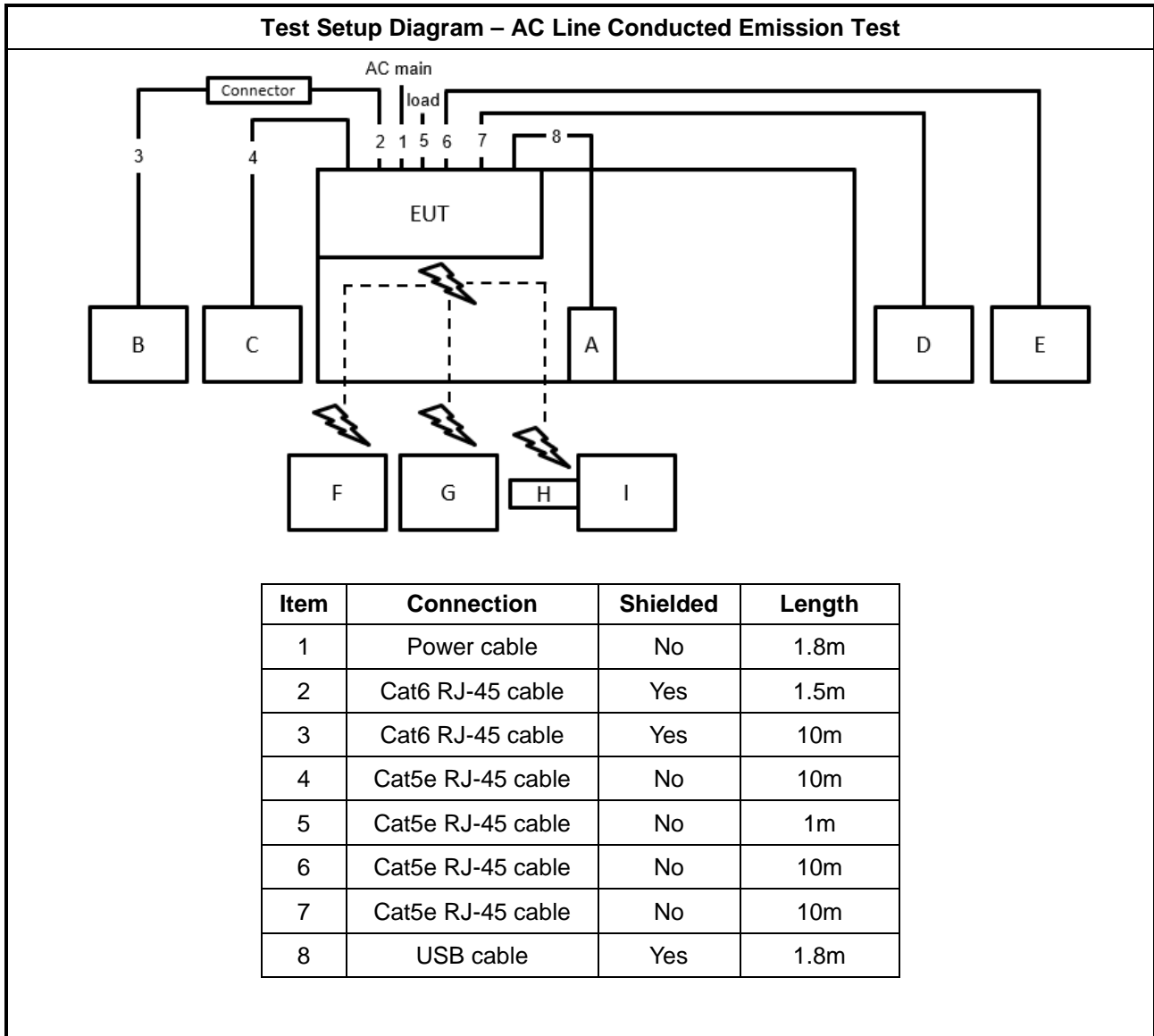
<Beamforming mode>

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Client	ASUS	RT-BE96U	N/A
C	Notebook	DELL	E4300	N/A

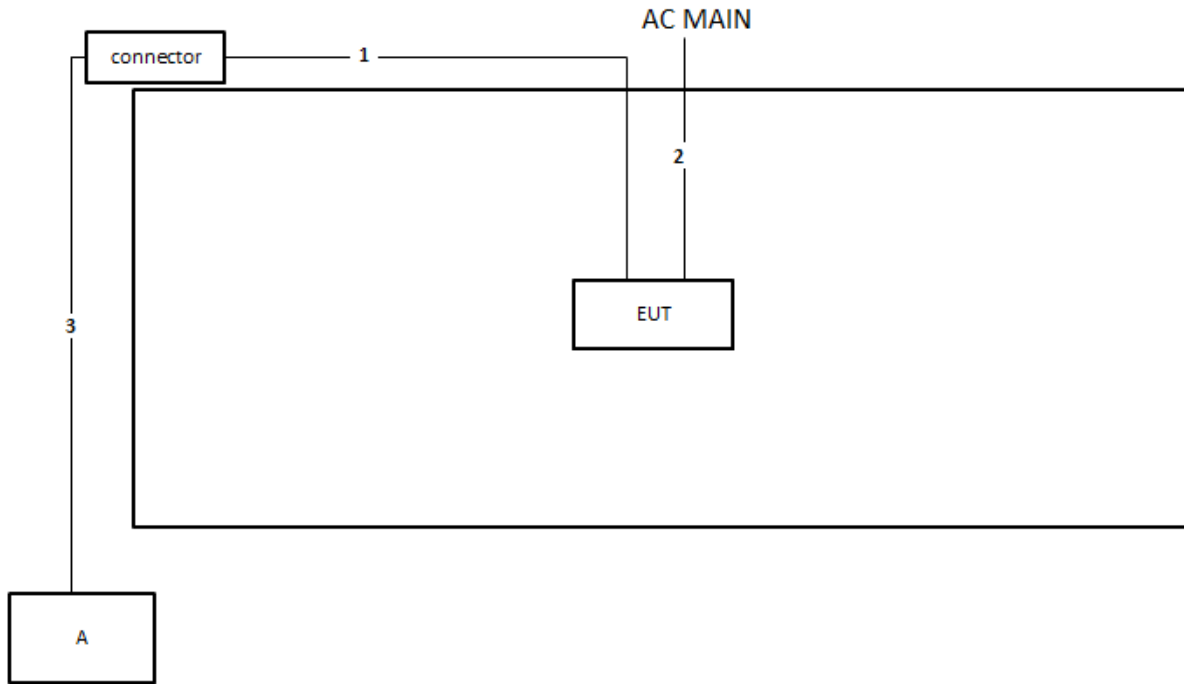
For RF Conducted:

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

2.6 Test Setup Diagram

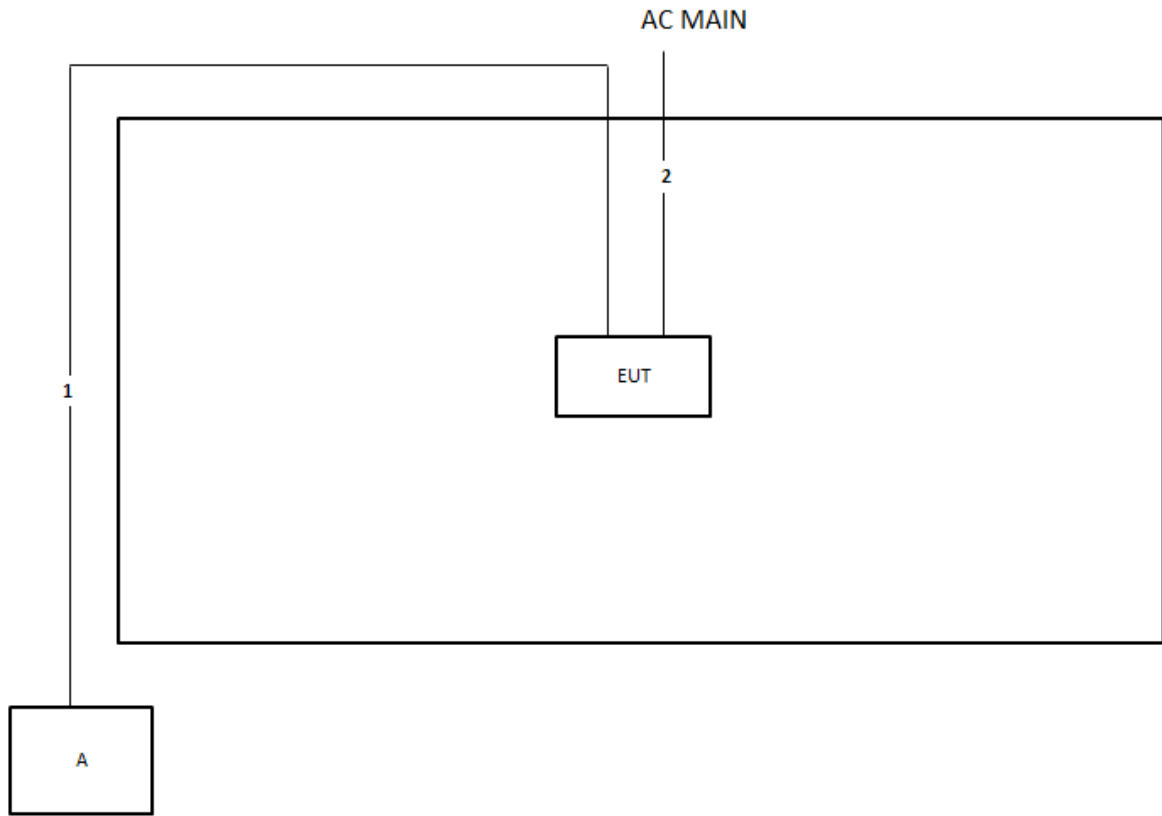


Test Setup Diagram - Radiated Test < 1GHz

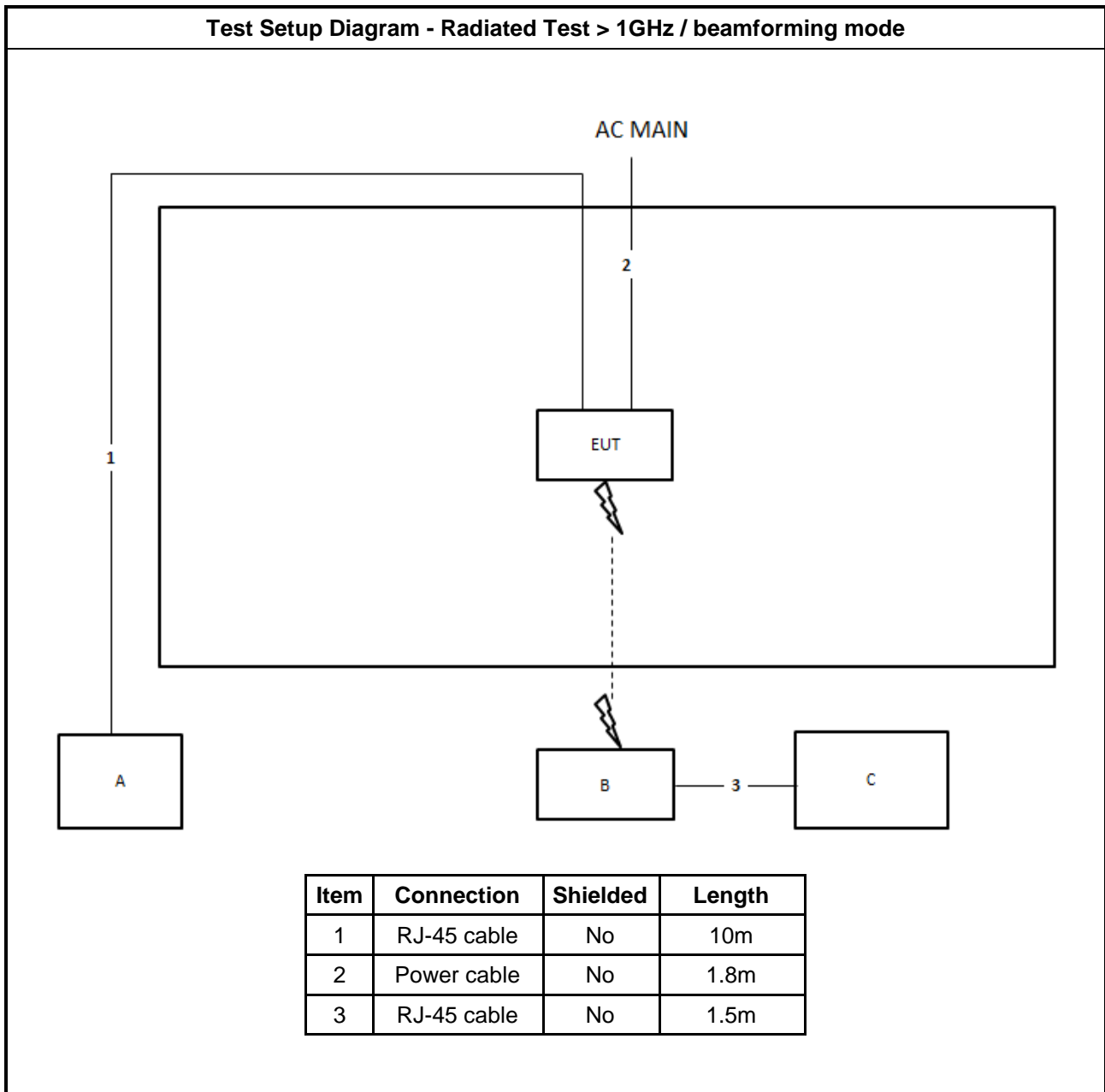


Item	Connection	Shielded	Length
1	RJ-45 cable	Yes	1.5m
2	Power cable	No	1.8m
3	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test > 1GHz / non-beamforming mode



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.8m





3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

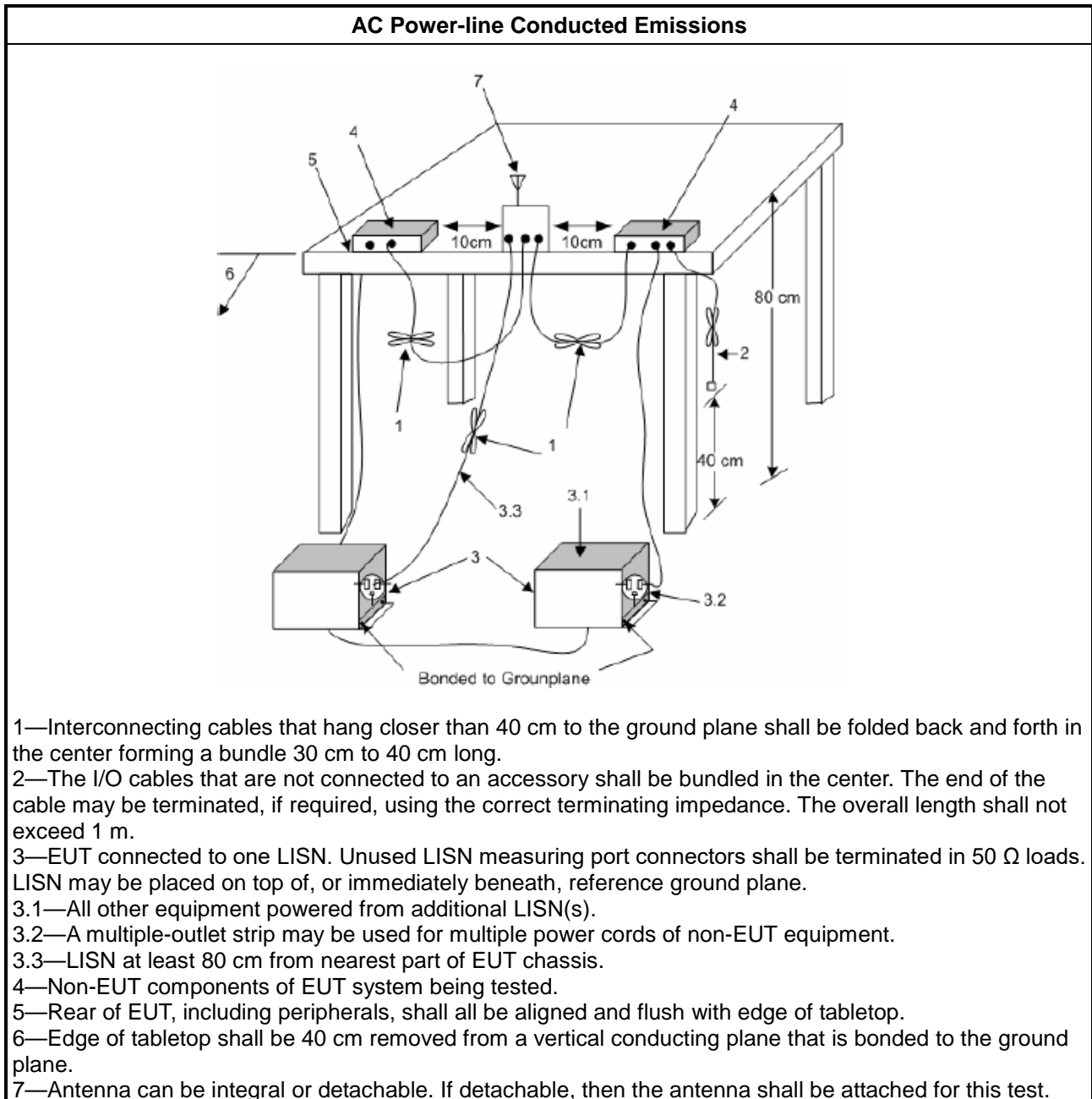
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
<ul style="list-style-type: none"> ▪ 6 dB bandwidth \geq 500 kHz.

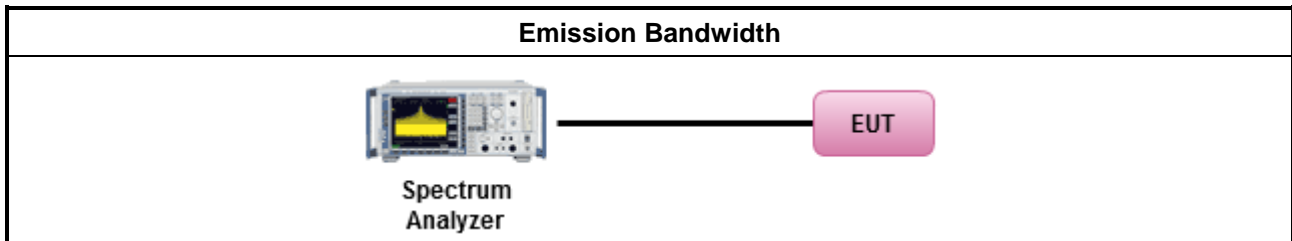
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below:
<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
	<ul style="list-style-type: none"> ▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	<ul style="list-style-type: none"> ▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> ▪ Smart antenna system (SAS):
	<ul style="list-style-type: none"> - Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> - Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> - Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

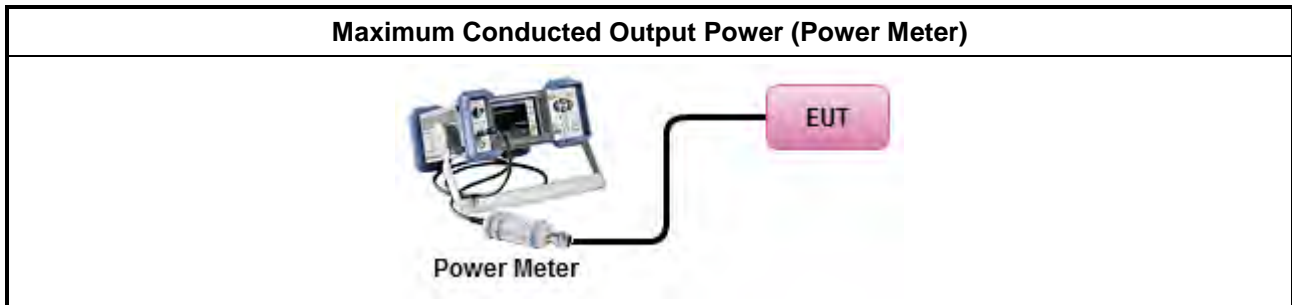
Refer a test equipment and calibration data table in this test report.



3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ Maximum Peak Conducted Output Power 	
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
<ul style="list-style-type: none"> ▪ Maximum Conducted Output Power 	
[duty cycle ≥ 98% or external video / power trigger]	
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
duty cycle < 98% and average over on/off periods with duty factor	
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
Measurement using a power meter (PM)	
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them. 	
<ul style="list-style-type: none"> ▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$ 	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
<ul style="list-style-type: none"> Power Spectral Density (PSD) \leq 8 dBm/3kHz

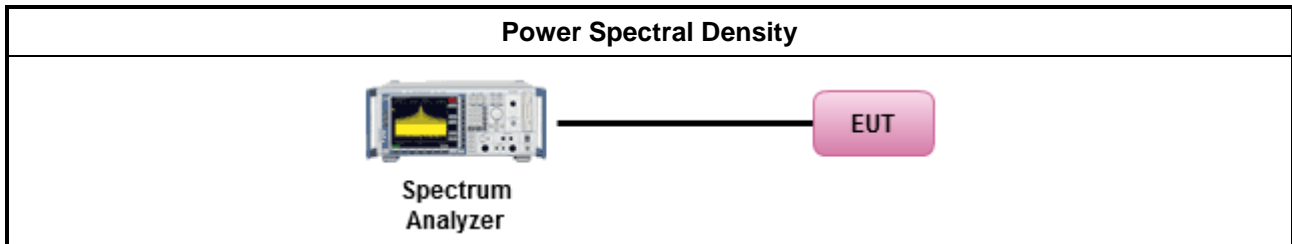
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method			
<ul style="list-style-type: none"> Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option). 			
<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD.			
<ul style="list-style-type: none"> For conducted measurement. <ul style="list-style-type: none"> If The EUT supports multiple transmit chains using options given below: <table border="1"> <tbody> <tr> <td> <input checked="" type="checkbox"/> Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace. </td> </tr> <tr> <td> <input type="checkbox"/> Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits, </td> </tr> <tr> <td> <input type="checkbox"/> Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit. </td> </tr> </tbody> </table> 	<input checked="" type="checkbox"/> Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.	<input type="checkbox"/> Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,	<input type="checkbox"/> Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
<input checked="" type="checkbox"/> Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.			
<input type="checkbox"/> Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,			
<input type="checkbox"/> Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.			

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

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

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

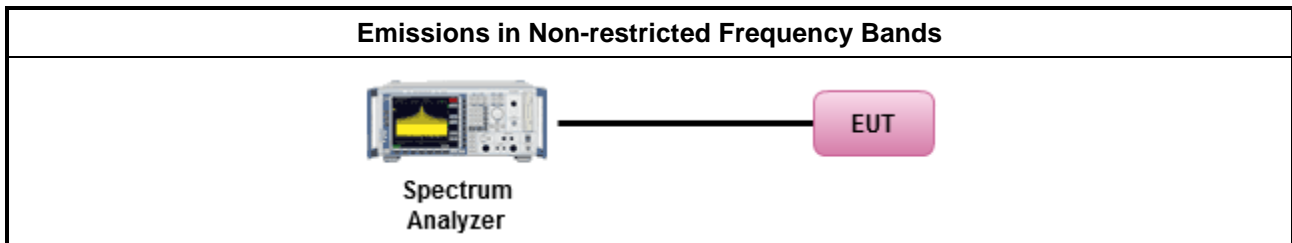
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E



3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

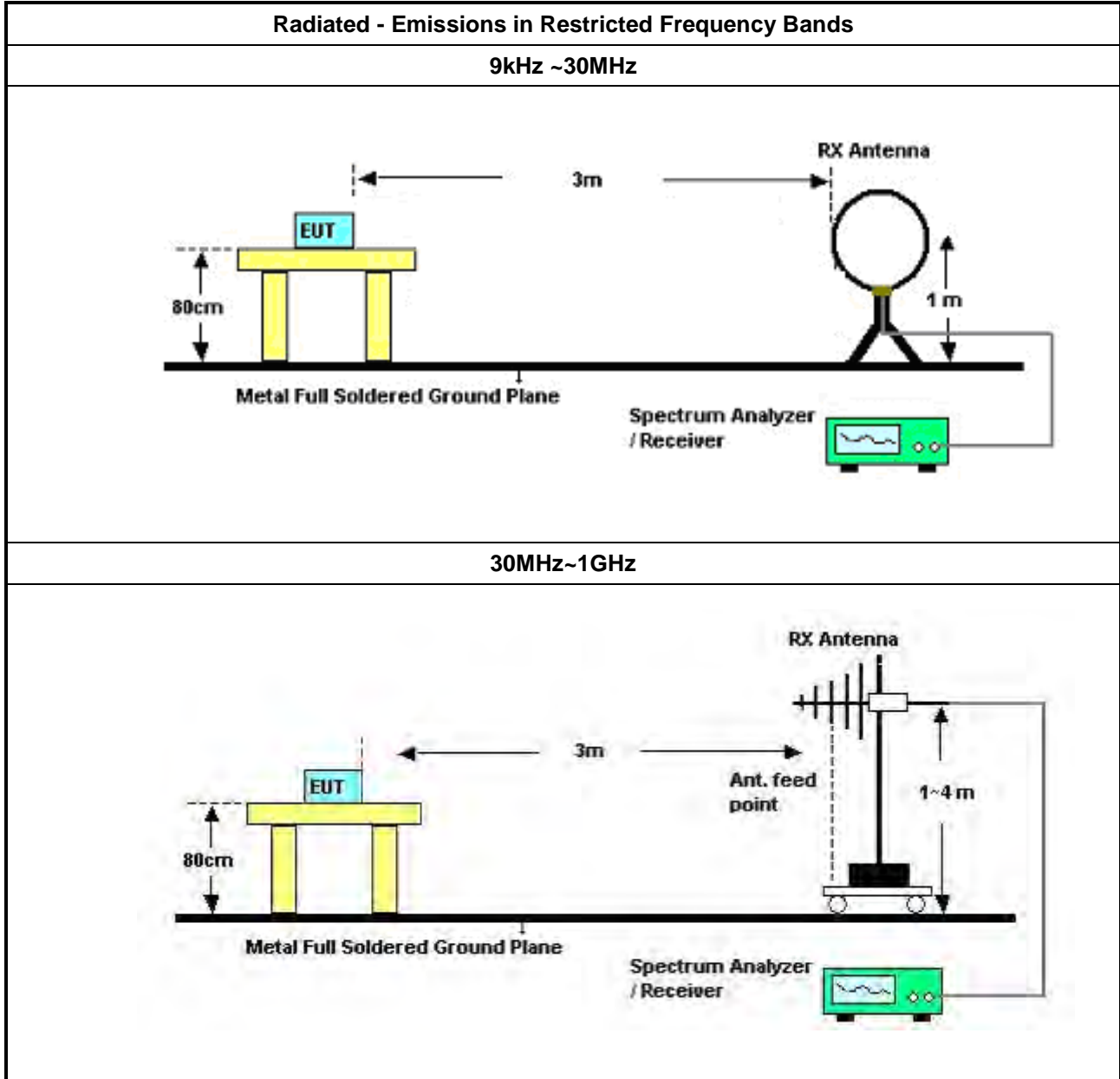
Refer a test equipment and calibration data table in this test report.

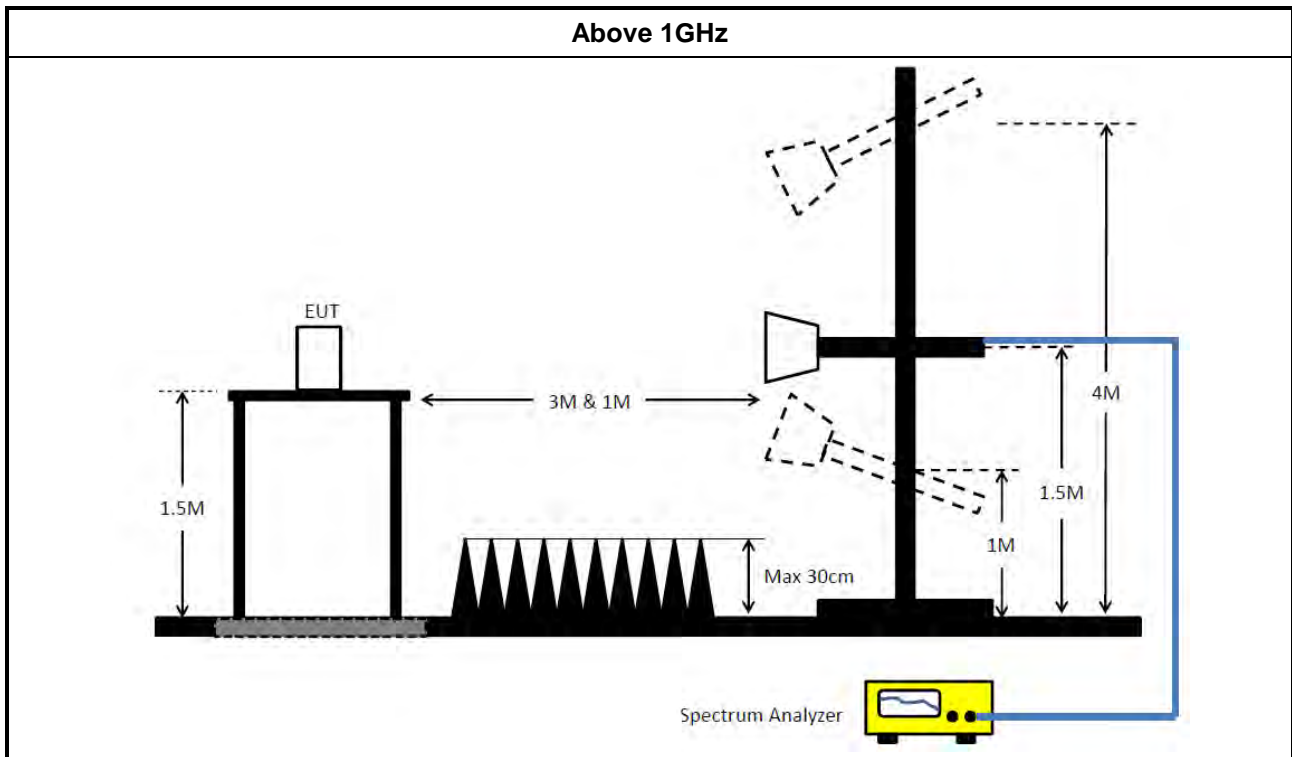


3.6.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle \geq 98 or duty factor]. 	
<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band. 	
<ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle \geq 98%).
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW \geq 1/T).
	<input type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW \geq 1/T, where T is pulse time.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
<ul style="list-style-type: none"> ▪ For the transmitter band-edge emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
	<ul style="list-style-type: none"> ▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
	<ul style="list-style-type: none"> ▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

3.6.4 Test Setup





3.6.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

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

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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 01, 2024	Feb. 28, 2025	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 19, 2024	Feb. 18, 2025	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 24, 2024	Apr. 23, 2025	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 08, 2024	Feb. 07, 2025	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 (03CH06-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 03, 2023	Aug. 02, 2024	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Jul. 30, 2023	Jul. 29, 2024	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Nov. 03, 2023	Nov. 02, 2024	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug. 01, 2023	Jul. 31, 2024	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Nov. 28, 2023	Nov. 27, 2024	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 20, 2023	Oct. 19, 2024	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-24+68	30MHz~1GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 31, 2023	Jul. 30, 2024	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug. 01, 2023	Jul. 31, 2024	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH06-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 24, 2024	Mar. 23, 2025	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 12, 2024	Apr. 11, 2025	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV3044	101536	10kHz ~ 44GHz	Jul. 24, 2023	Jul. 23, 2024	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 22, 2024	Feb. 21, 2025	Radiation (03CH04-CB)
Horn Antenna	ETS · Lindgren	3115	00143147	750MHz~18GHz	Oct. 04, 2023	Oct. 03, 2024	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 19, 2024	Mar. 18, 2025	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 14, 2023	Aug. 13, 2024	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 19, 2023	Oct. 18, 2024	Conducted (TH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 19, 2023	Oct. 18, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1 –26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

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

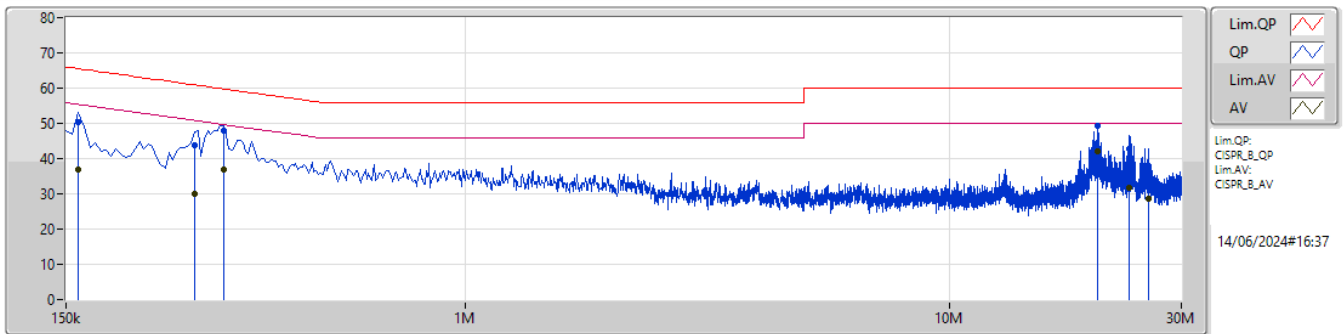
N.C.R. means Non-Calibration required.



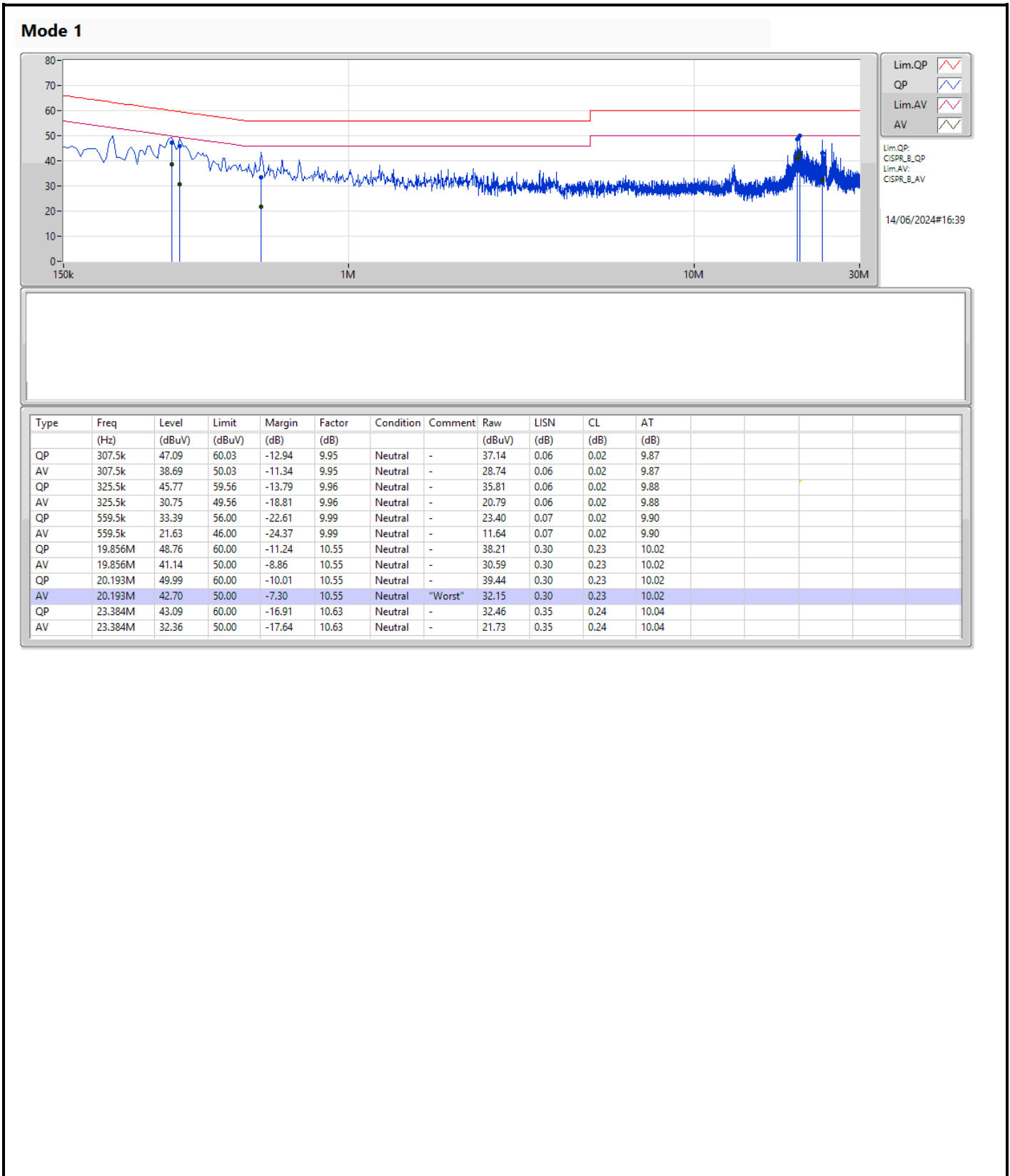
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	20.193M	42.70	50.00	-7.30	Neutral

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	159k	50.29	65.52	-15.23	9.92	Line	-	40.37	0.04	0.02	9.86
AV	159k	36.75	55.52	-18.77	9.92	Line	-	26.83	0.04	0.02	9.86
QP	276k	43.75	60.93	-17.18	9.93	Line	-	33.82	0.04	0.02	9.87
AV	276k	30.08	50.93	-20.85	9.93	Line	-	20.15	0.04	0.02	9.87
QP	316.5k	48.02	59.80	-11.78	9.95	Line	-	38.07	0.05	0.02	9.88
AV	316.5k	36.98	49.80	-12.82	9.95	Line	-	27.03	0.05	0.02	9.88
QP	20.193M	49.37	60.00	-10.63	10.56	Line	-	38.81	0.31	0.23	10.02
AV	20.193M	42.11	50.00	-7.89	10.56	Line	"Worst"	31.55	0.31	0.23	10.02
QP	23.384M	42.65	60.00	-17.35	10.61	Line	-	32.04	0.33	0.24	10.04
AV	23.384M	31.76	50.00	-18.24	10.61	Line	-	21.15	0.33	0.24	10.04
QP	25.62M	38.01	60.00	-21.99	10.64	Line	-	27.37	0.33	0.26	10.05
AV	25.62M	28.58	50.00	-21.42	10.64	Line	-	17.94	0.33	0.26	10.05





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_3TX	7.8M	11.905M	11M9G1D	5.85M	10.173M
802.11g_Nss1,(6Mbps)_3TX	16.6M	17.164M	17M2D1D	16.075M	16.595M
802.11be EHT20-BF_Nss1,(MCS0)_3TX	34.275M	19.102M	19M1D1D	16.675M	18.955M
802.11be EHT40-BF_Nss1,(MCS0)_3TX	37.9M	37.804M	37M8D1D	36.3M	37.475M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)
802.11b_Nss1,(1Mbps)_3TX	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	7.525M	10.212M	7.575M	10.186M	7.075M	11.905M
2437MHz	Pass	500k	7.575M	11.569M	7.8M	10.227M	7.525M	10.223M
2462MHz	Pass	500k	7.25M	11.891M	7.05M	10.173M	5.85M	10.22M
802.11g_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.5M	16.595M	16.075M	16.854M	16.45M	16.611M
2437MHz	Pass	500k	16.6M	16.916M	16.5M	16.769M	16.525M	16.938M
2462MHz	Pass	500k	16.525M	16.629M	16.525M	17.164M	16.4M	16.617M
802.11be EHT20-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	19M	19.073M	18.275M	19.019M	19.075M	19.026M
2437MHz	Pass	500k	19.05M	19.102M	34.275M	19.074M	18.9M	19.031M
2462MHz	Pass	500k	19.15M	18.955M	16.675M	19.021M	19.15M	18.994M
802.11be EHT40-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.75M	37.601M	36.3M	37.475M	37.6M	37.729M
2437MHz	Pass	500k	37.3M	37.716M	37.8M	37.758M	37.7M	37.564M
2452MHz	Pass	500k	37.9M	37.804M	37.65M	37.717M	37.9M	37.69M

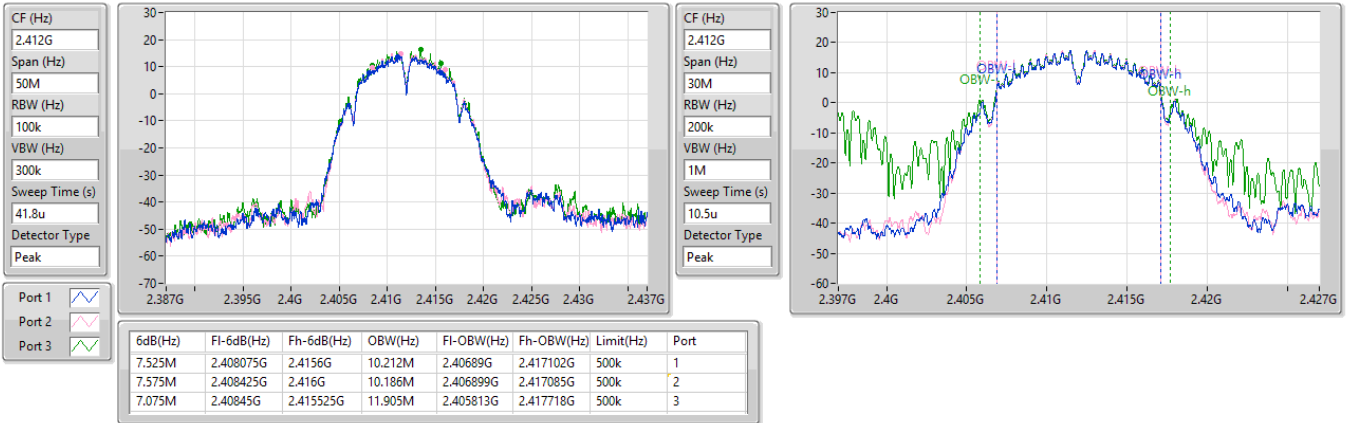
Port X-N dB = Port X 6dB down bandwidth;
 Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

EBW

2412MHz

30/05/2024

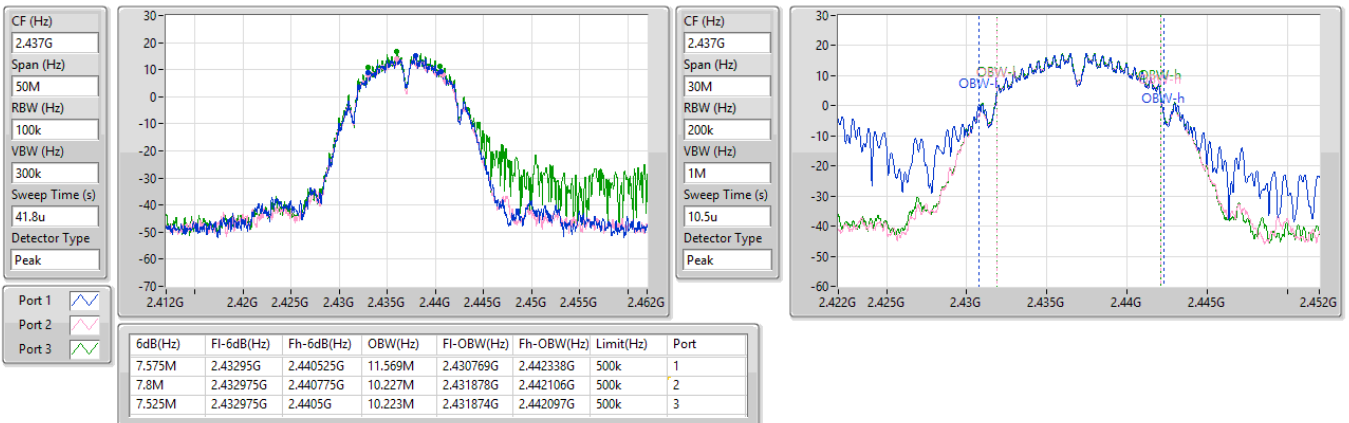


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

EBW

2437MHz

30/05/2024

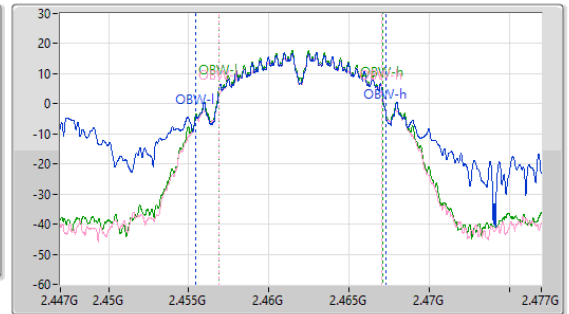
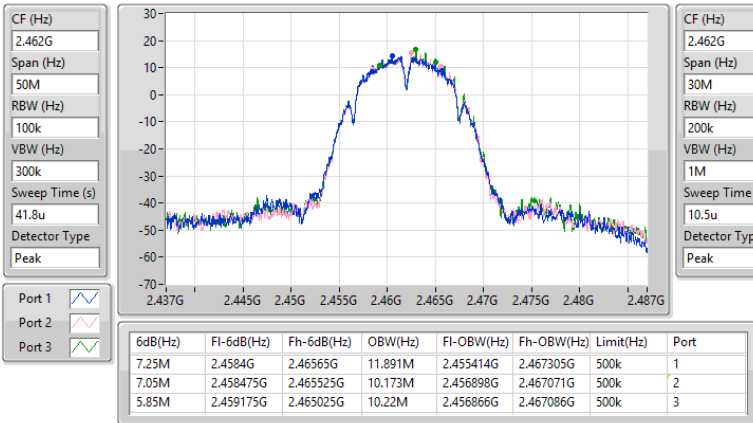


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

EBW

2462MHz

30/05/2024

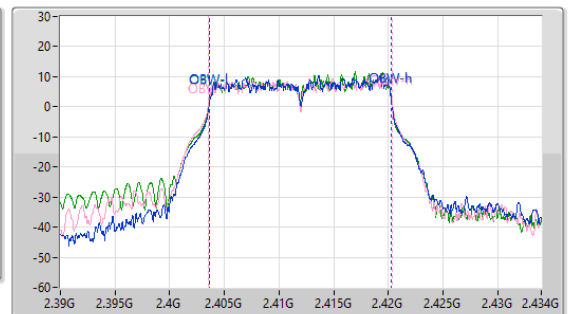
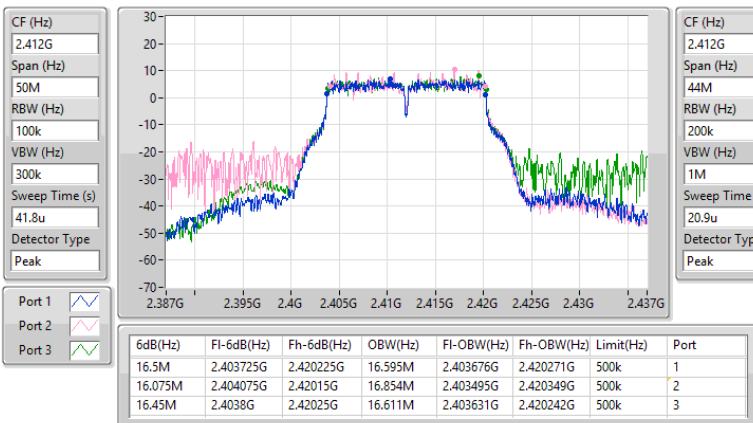


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

EBW

2412MHz

30/05/2024

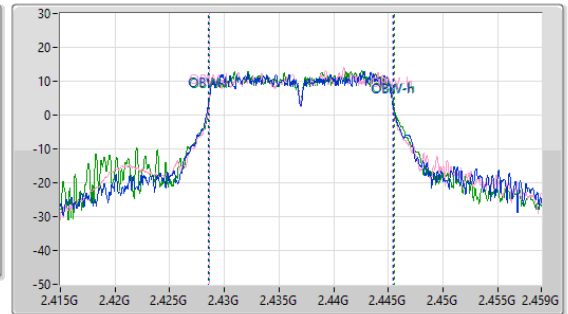
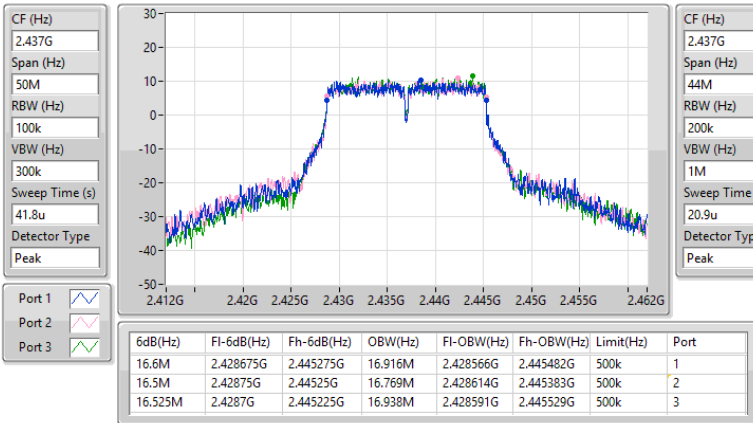


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

EBW

2437MHz

30/05/2024

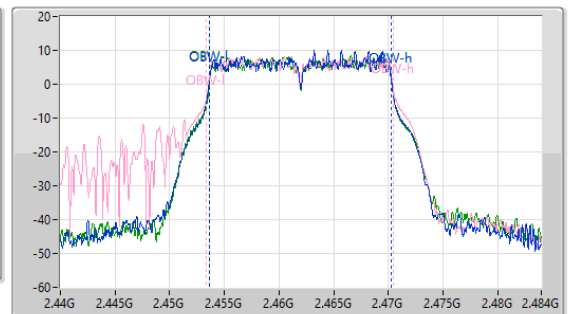
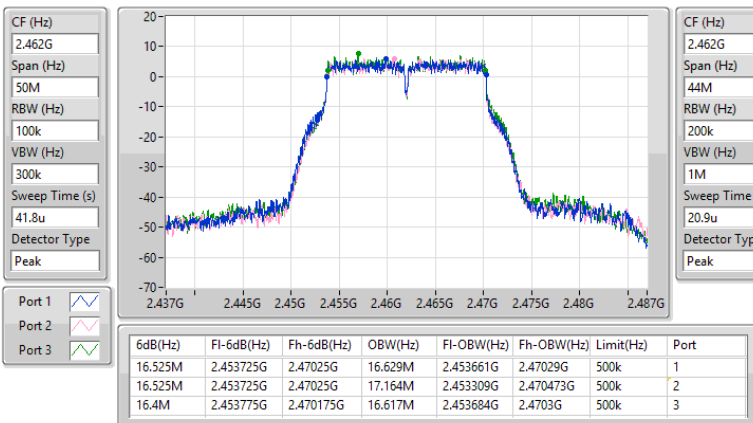


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

EBW

2462MHz

30/05/2024

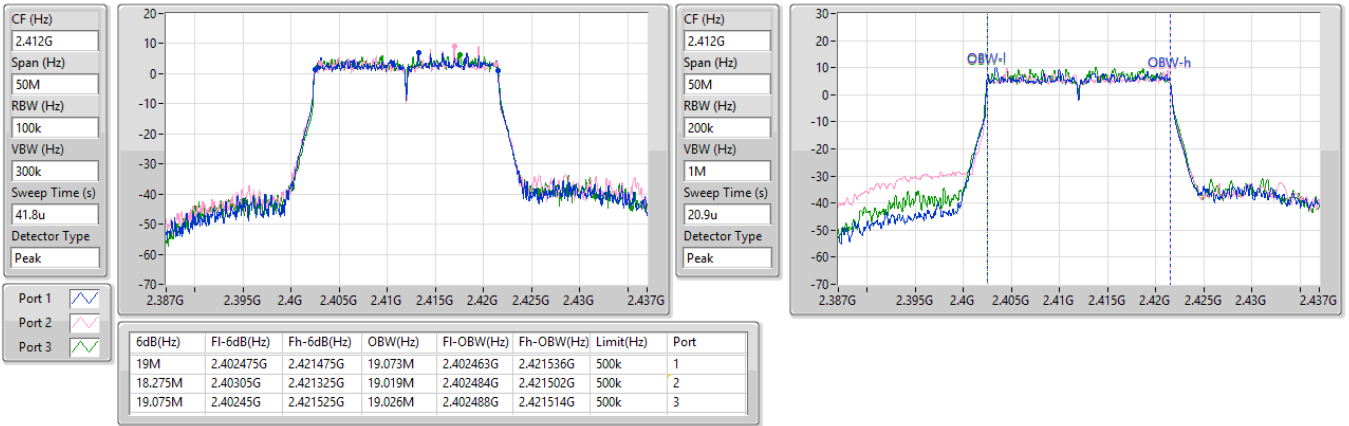


2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_3TX

EBW

2412MHz

30/05/2024

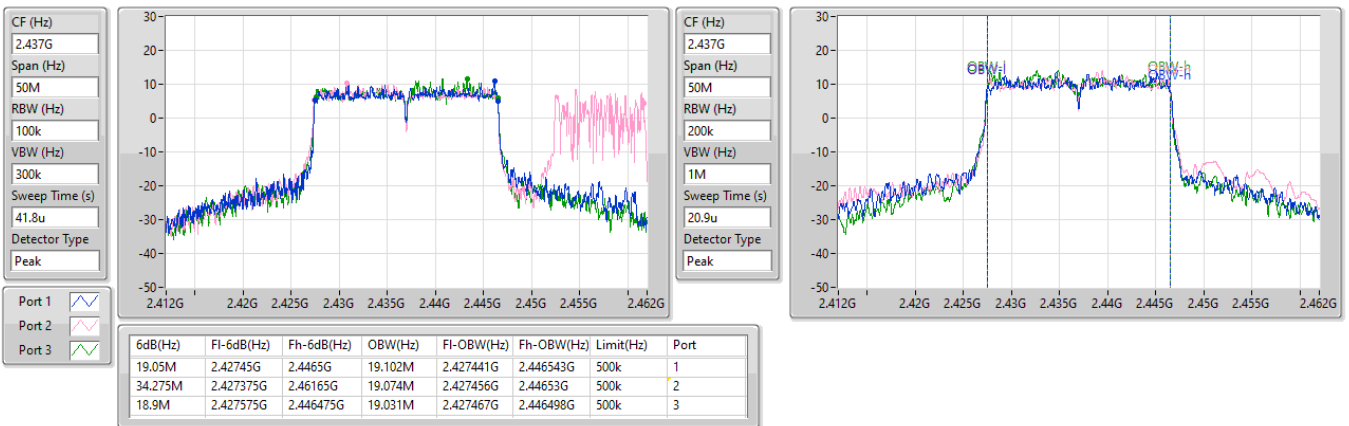


2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_3TX

EBW

2437MHz

06/06/2024

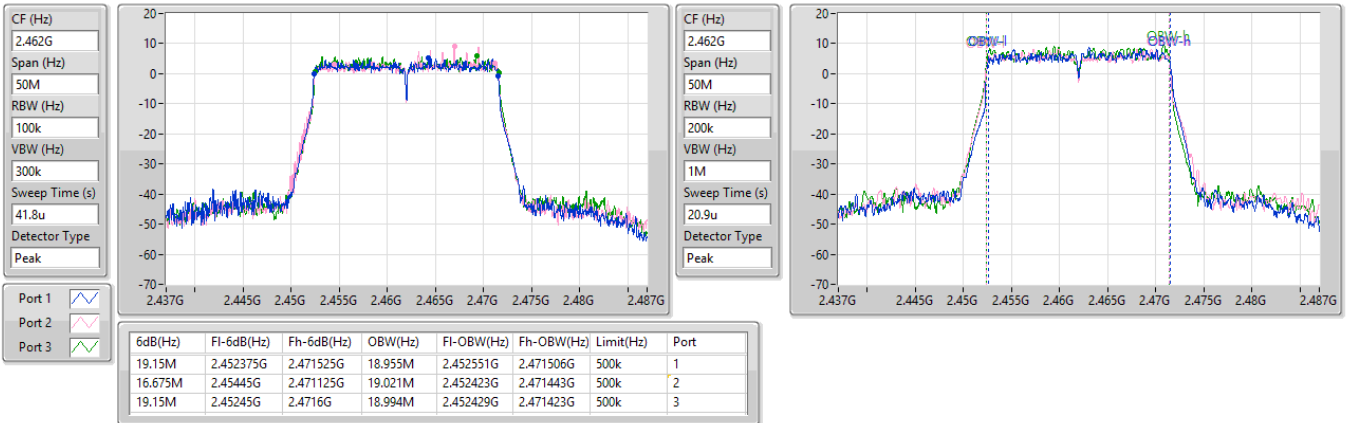


2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_3TX

EBW

2462MHz

30/05/2024

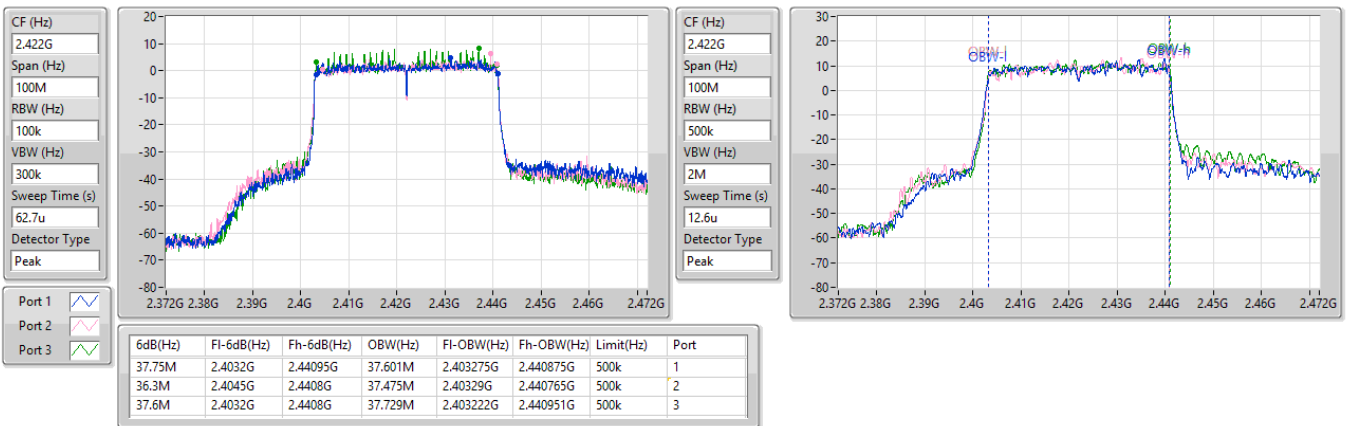


2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_3TX

EBW

2422MHz

30/05/2024

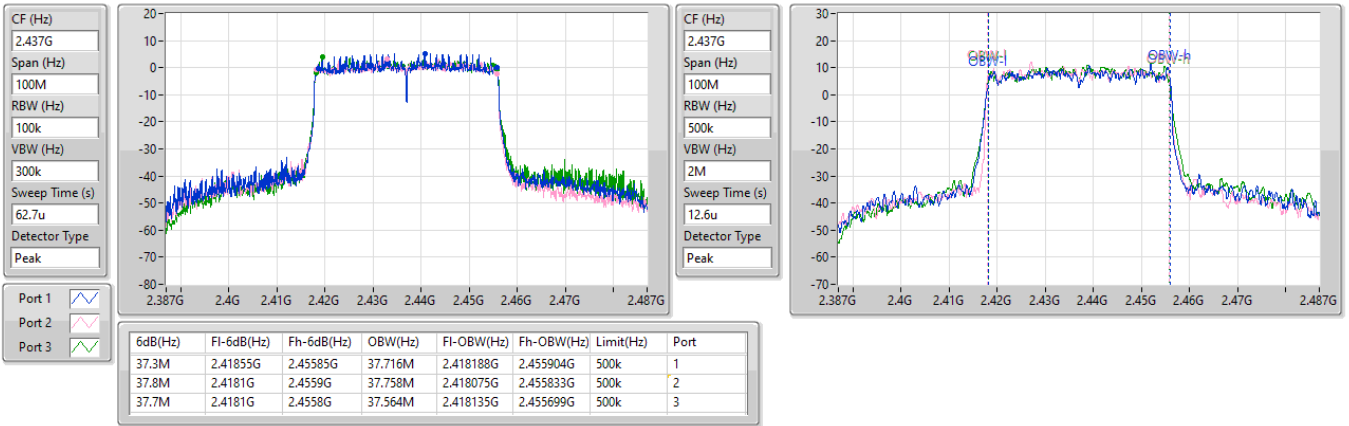


2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_3TX

EBW

2437MHz

03/06/2024

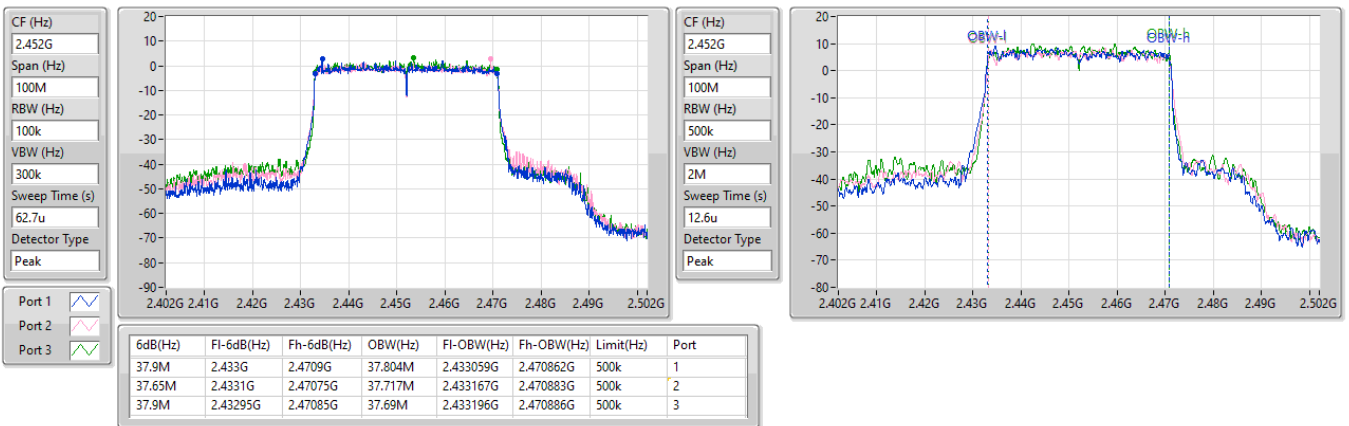


2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_3TX

EBW

2452MHz

06/06/2024





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_3TX	29.93	0.98401
802.11g_Nss1,(6Mbps)_3TX	29.79	0.95280
802.11be EHT20-BF_Nss1,(MCS0)_3TX	29.57	0.90573
802.11be EHT40-BF_Nss1,(MCS0)_3TX	25.73	0.37411



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	3.78	24.66	25.09	25.52	29.88	30.00
2417MHz	Pass	3.78	24.80	24.91	25.35	29.80	30.00
2437MHz	Pass	3.78	24.94	24.94	25.56	29.93	30.00
2462MHz	Pass	3.78	24.75	25.23	25.33	29.88	30.00
802.11g_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	3.78	21.69	21.47	22.06	26.52	30.00
2417MHz	Pass	3.78	22.61	22.23	22.76	27.31	30.00
2437MHz	Pass	3.78	24.86	24.93	25.25	29.79	30.00
2457MHz	Pass	3.78	21.95	21.85	22.38	26.84	30.00
2462MHz	Pass	3.78	20.57	20.48	20.94	25.44	30.00
802.11be EHT20-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	5.07	19.40	19.17	19.62	24.17	30.00
2417MHz	Pass	5.07	19.56	19.35	19.62	24.28	30.00
2437MHz	Pass	5.07	24.69	24.55	25.14	29.57	30.00
2457MHz	Pass	5.07	19.43	19.43	19.91	24.37	30.00
2462MHz	Pass	5.07	18.98	18.98	19.38	23.89	30.00
802.11be EHT40-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2422MHz	Pass	5.07	20.13	20.21	20.56	25.08	30.00
2437MHz	Pass	5.07	20.80	20.86	21.21	25.73	30.00
2447MHz	Pass	5.07	17.17	17.29	17.59	22.12	30.00
2452MHz	Pass	5.07	18.62	18.56	18.98	23.50	30.00

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



Summary

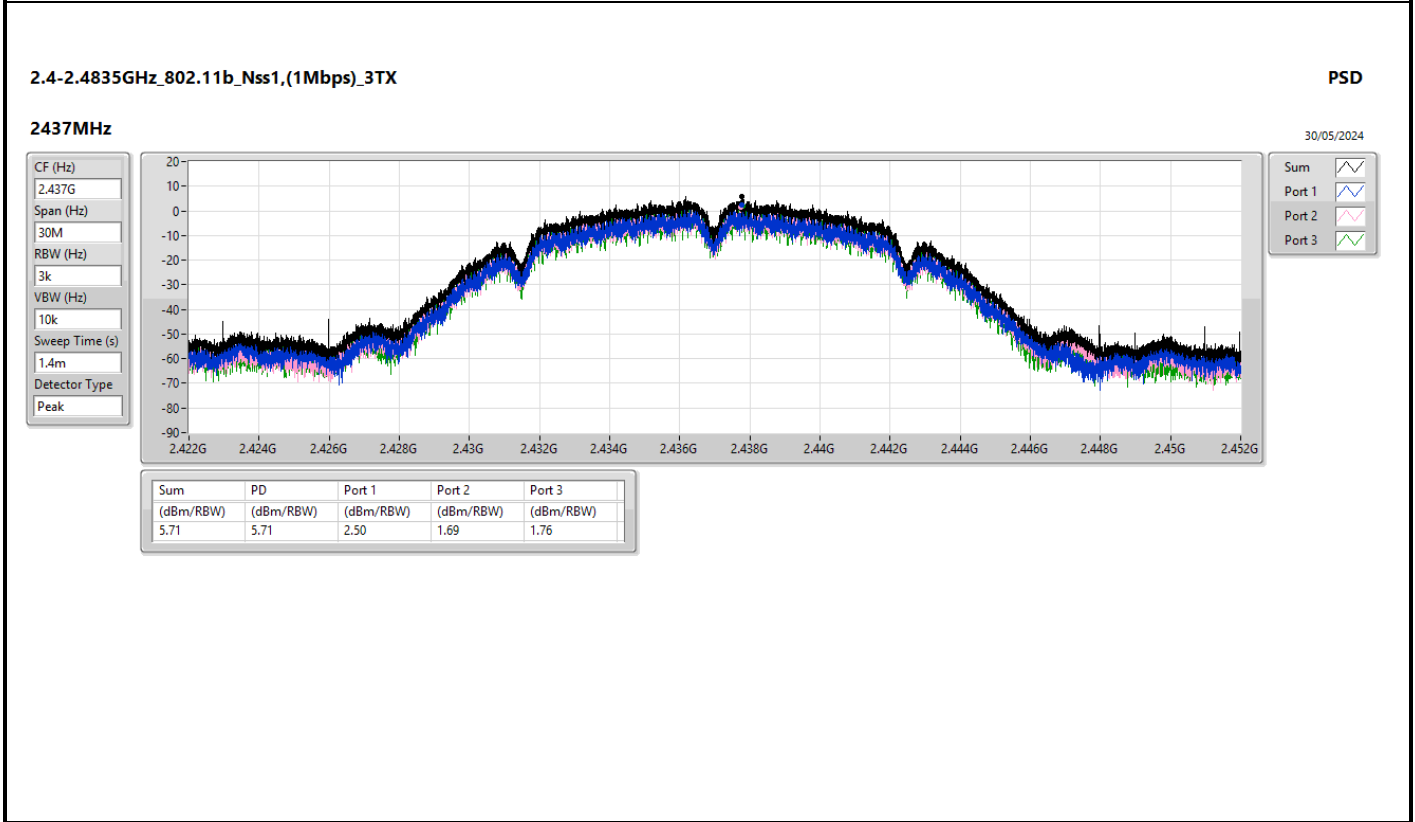
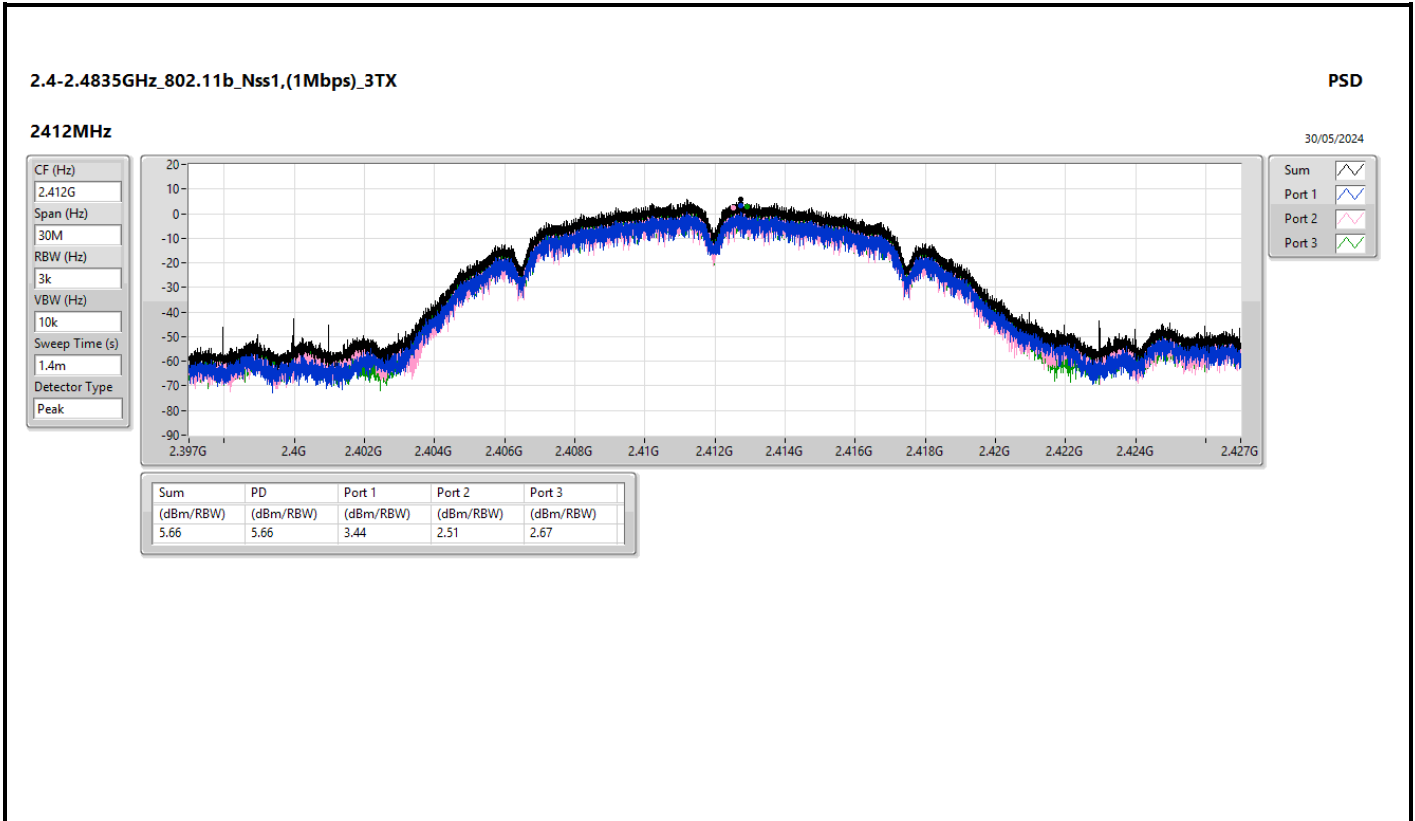
Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_3TX	5.71
802.11g_Nss1,(6Mbps)_3TX	2.05
802.11be EHT20-BF_Nss1,(MCS0)_3TX	0.24
802.11be EHT40-BF_Nss1,(MCS0)_3TX	-5.81

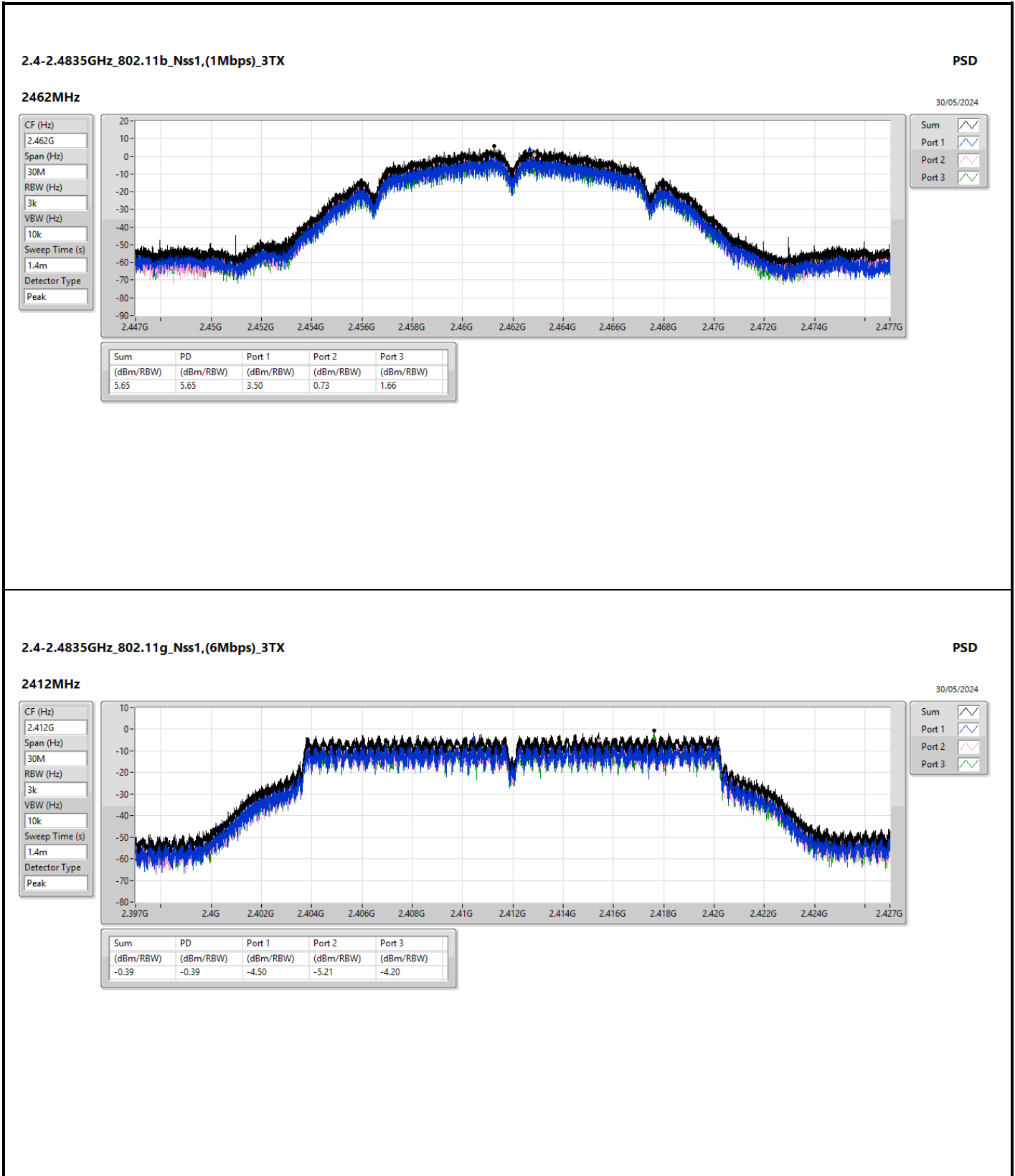
RBW = 3kHz;

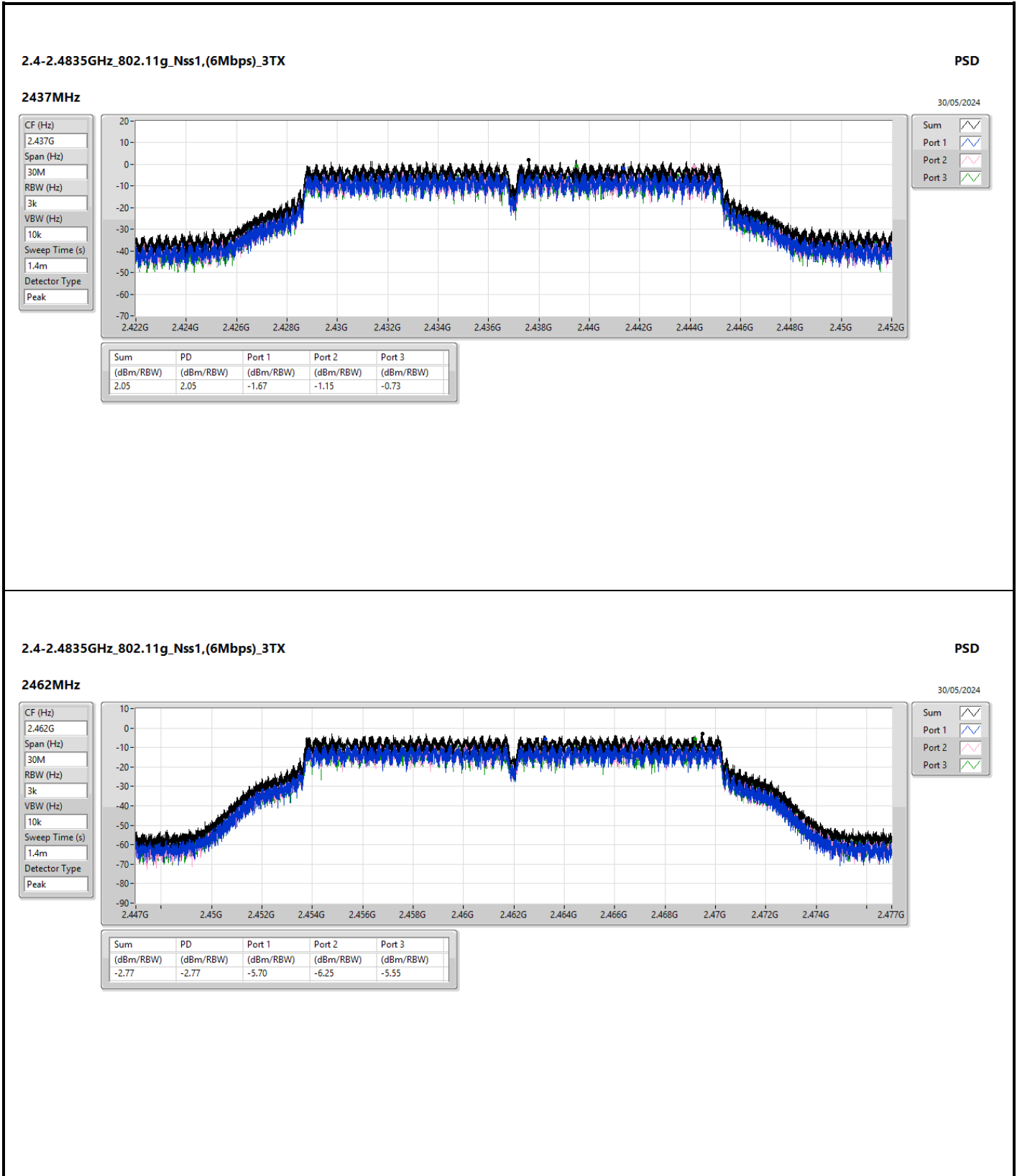
Result

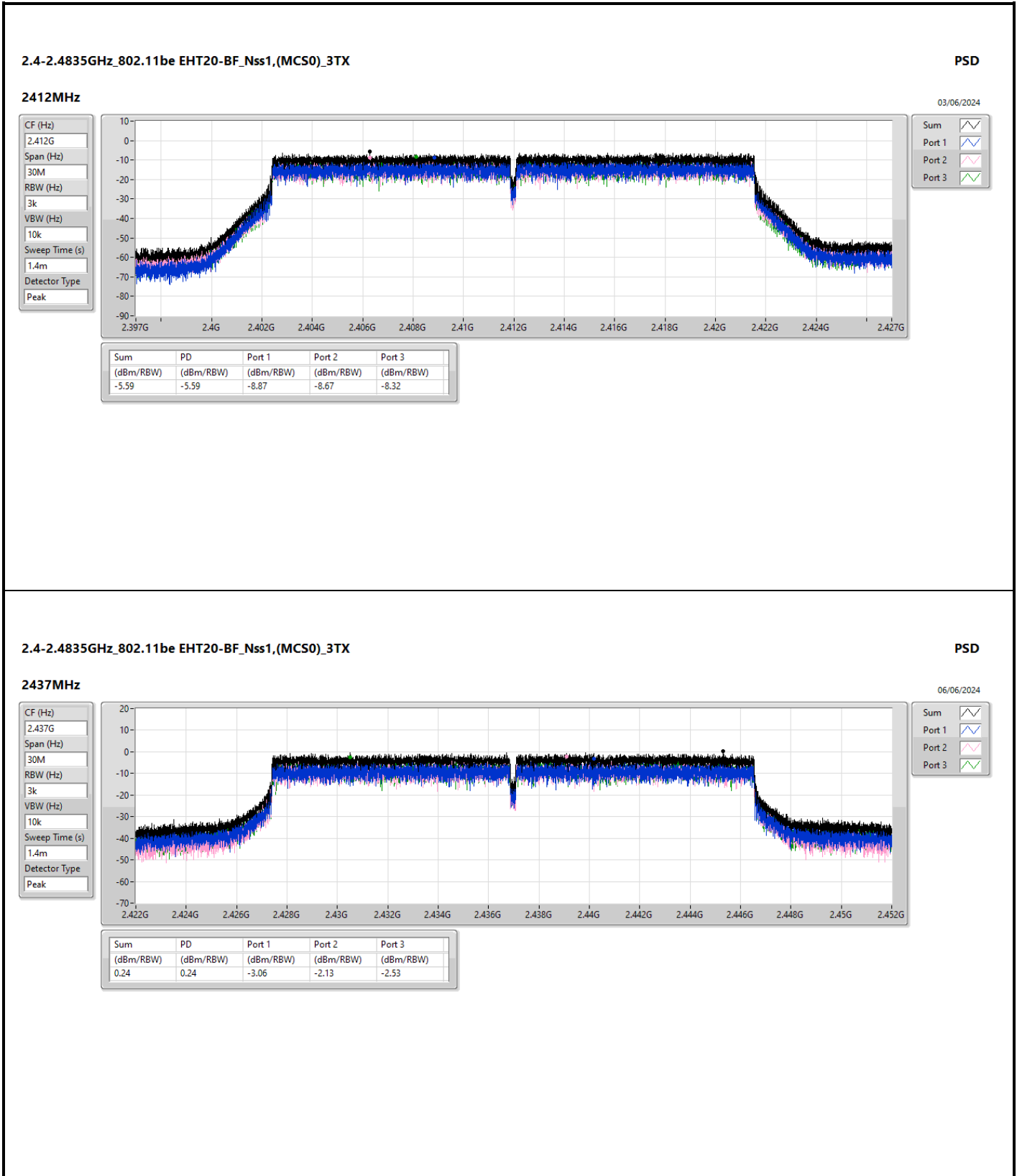
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	5.07	3.44	2.51	2.67	5.66	8.00
2437MHz	Pass	5.07	2.50	1.69	1.76	5.71	8.00
2462MHz	Pass	5.07	3.50	0.73	1.66	5.65	8.00
802.11g_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	5.07	-4.50	-5.21	-4.20	-0.39	8.00
2437MHz	Pass	5.07	-1.67	-1.15	-0.73	2.05	8.00
2462MHz	Pass	5.07	-5.70	-6.25	-5.55	-2.77	8.00
802.11be EHT20-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	5.07	-8.87	-8.67	-8.32	-5.59	8.00
2437MHz	Pass	5.07	-3.06	-2.13	-2.53	0.24	8.00
2462MHz	Pass	5.07	-8.60	-8.46	-8.32	-5.97	8.00
802.11be EHT40-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2422MHz	Pass	5.07	-10.46	-9.93	-9.30	-6.42	8.00
2437MHz	Pass	5.07	-9.74	-9.53	-8.72	-5.81	8.00
2452MHz	Pass	5.07	-11.42	-10.20	-10.11	-6.73	8.00

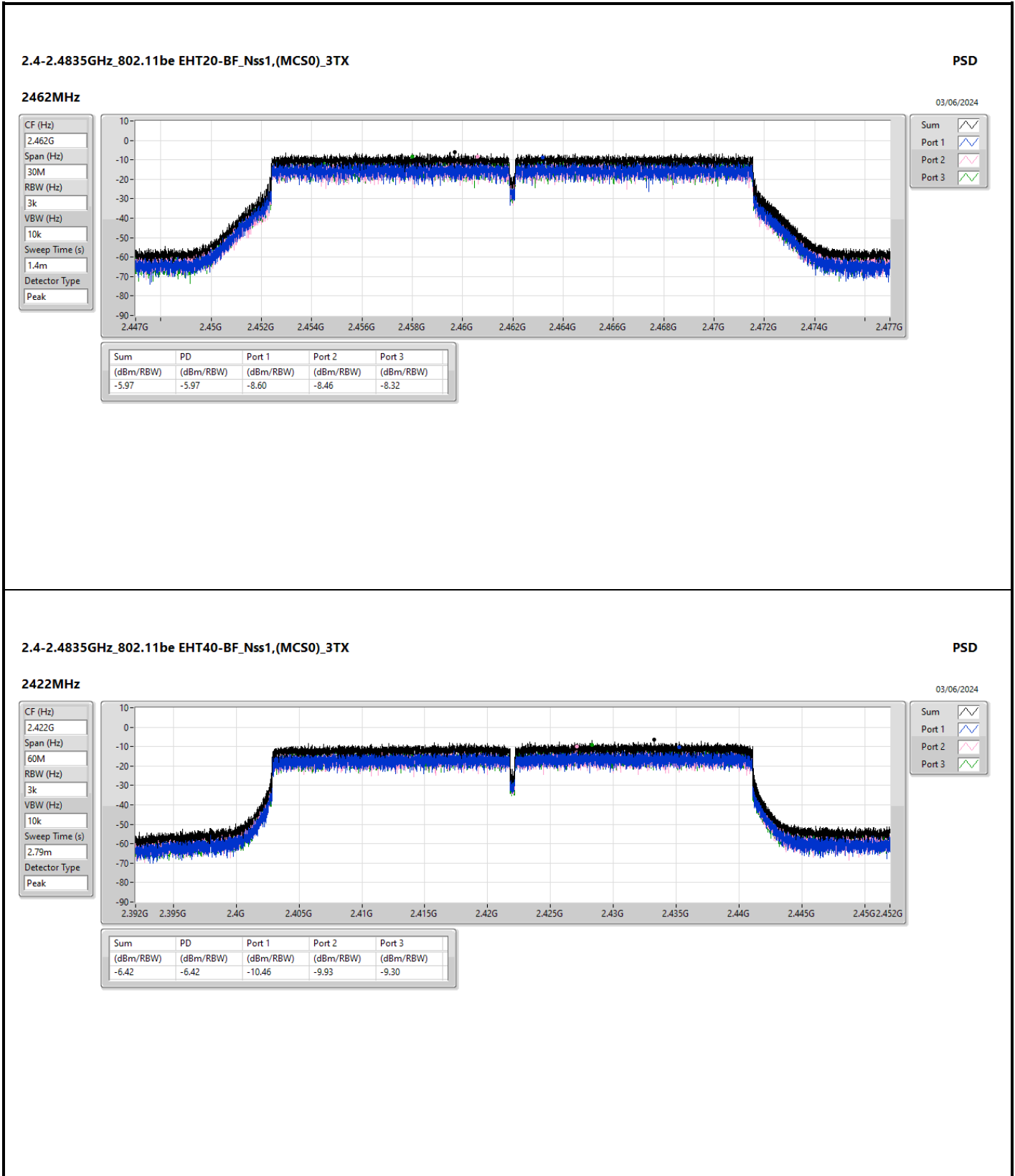
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;











2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_3TX

PSD

2437MHz

03/06/2024

CF (Hz)
2.437G

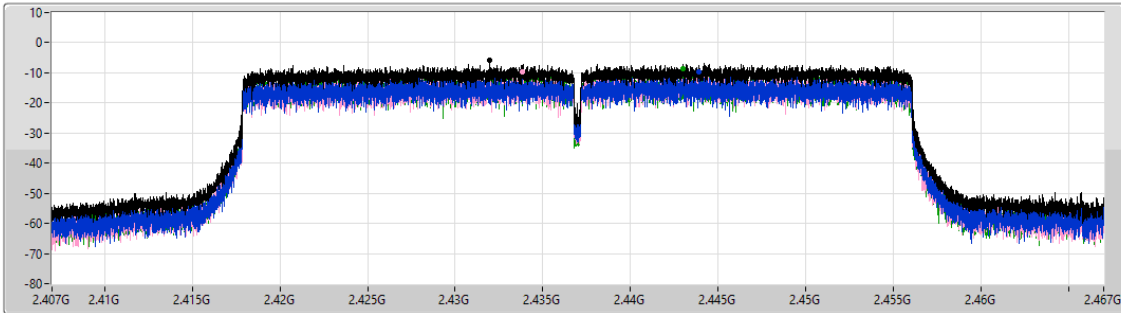
Span (Hz)
60M


RBW (Hz)
3k


VBW (Hz)
10k


Sweep Time (s)
2.79m


Detector Type
Peak



Sum 

Port 1 

Port 2 

Port 3 

Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.81	-5.81	-9.74	-9.53	-8.72

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_3TX

PSD

2452MHz

06/06/2024

CF (Hz)
2.452G

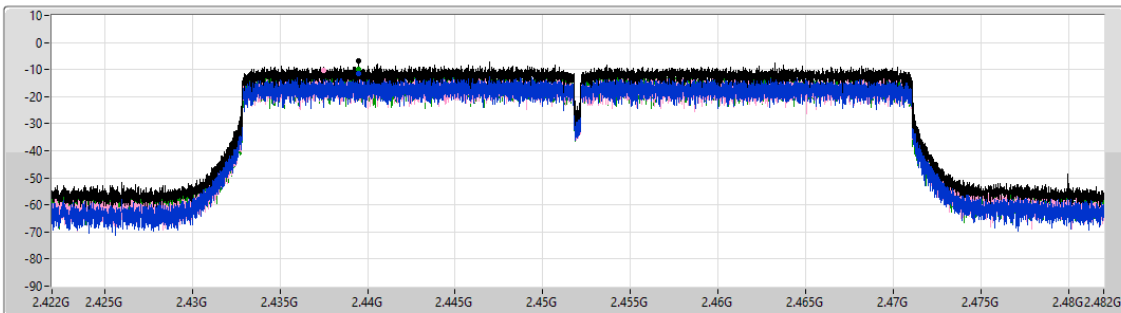
Span (Hz)
60M


RBW (Hz)
3k


VBW (Hz)
10k


Sweep Time (s)
2.79m


Detector Type
Peak



Sum 

Port 1 

Port 2 

Port 3 

Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.73	-6.73	-11.42	-10.20	-10.11



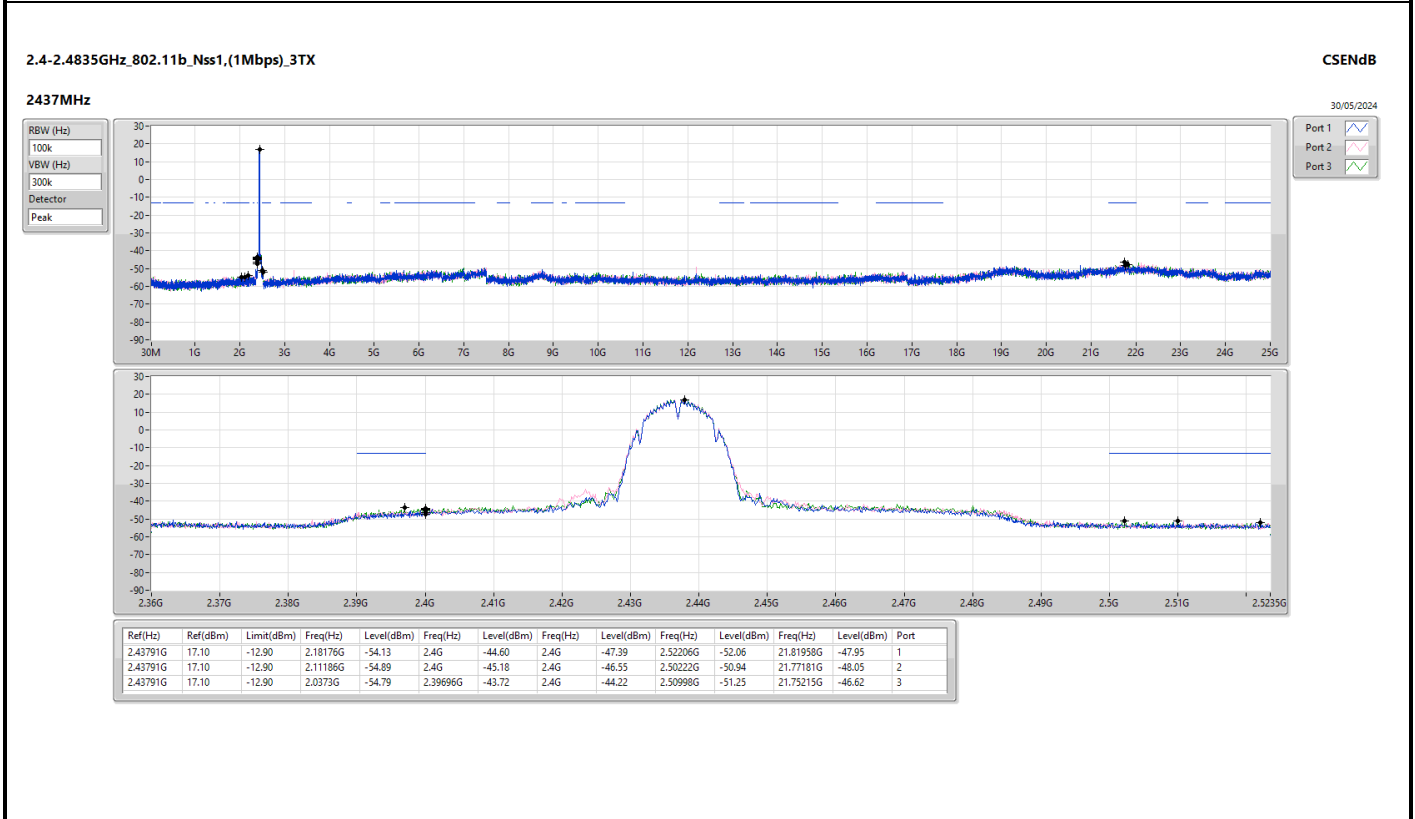
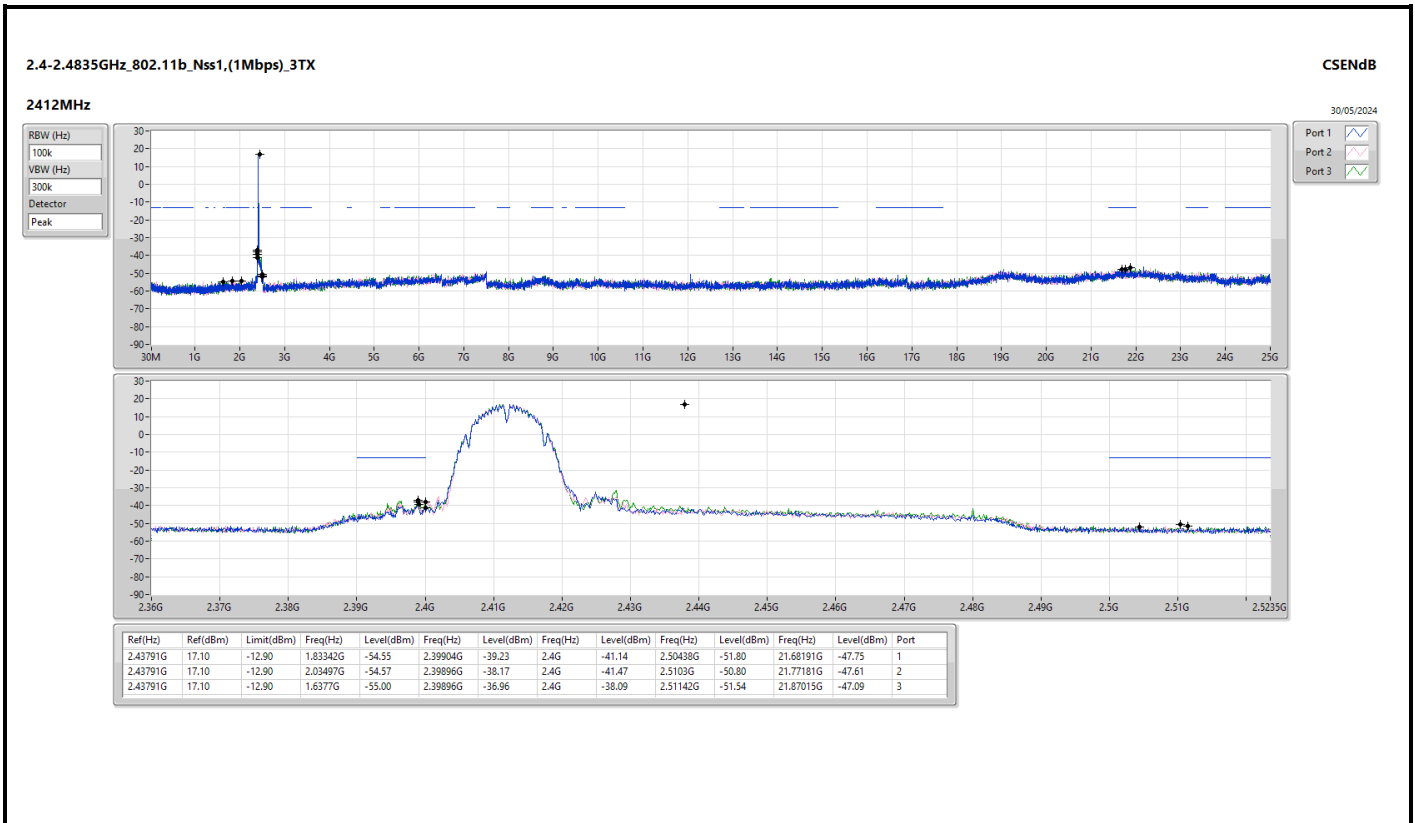
Summary

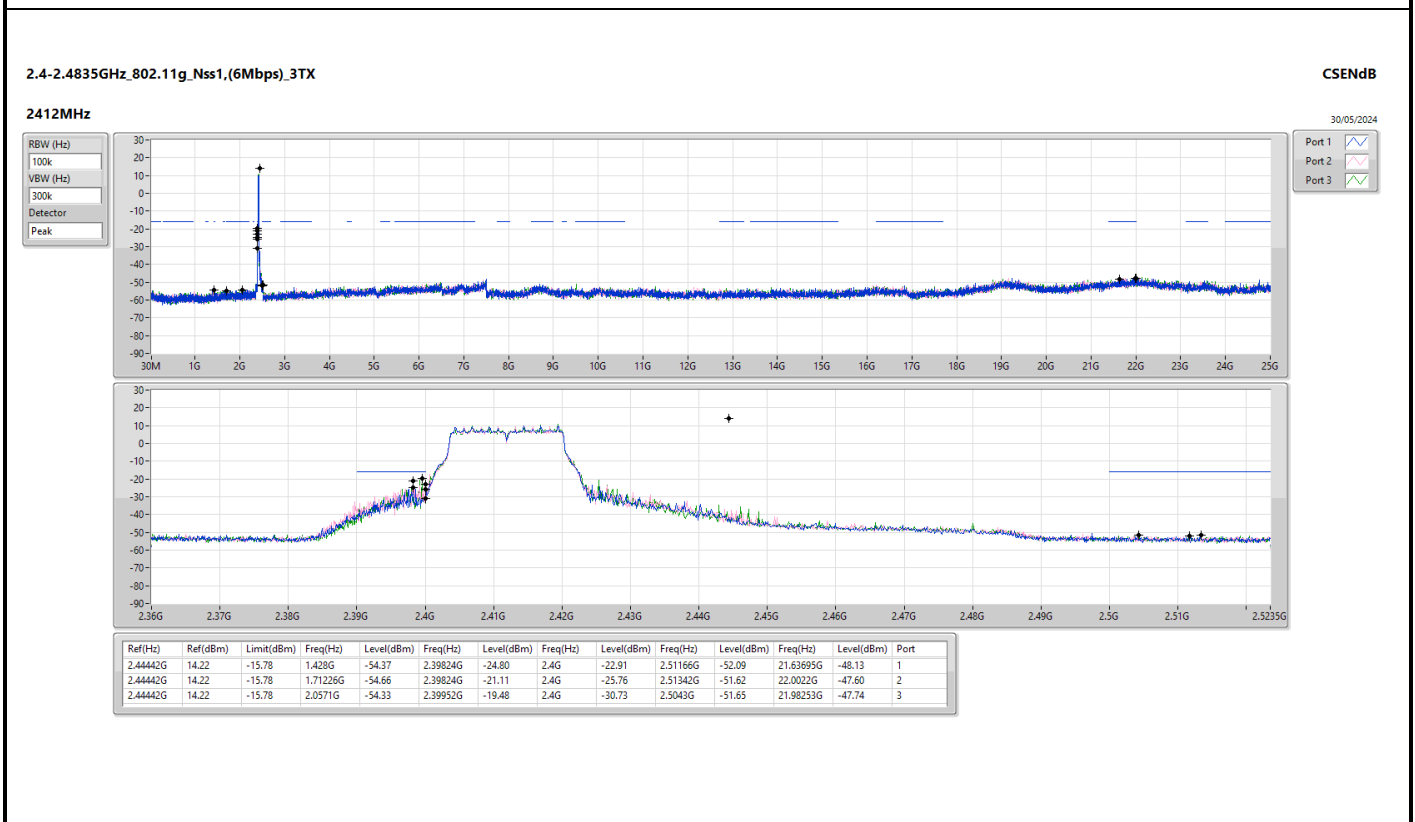
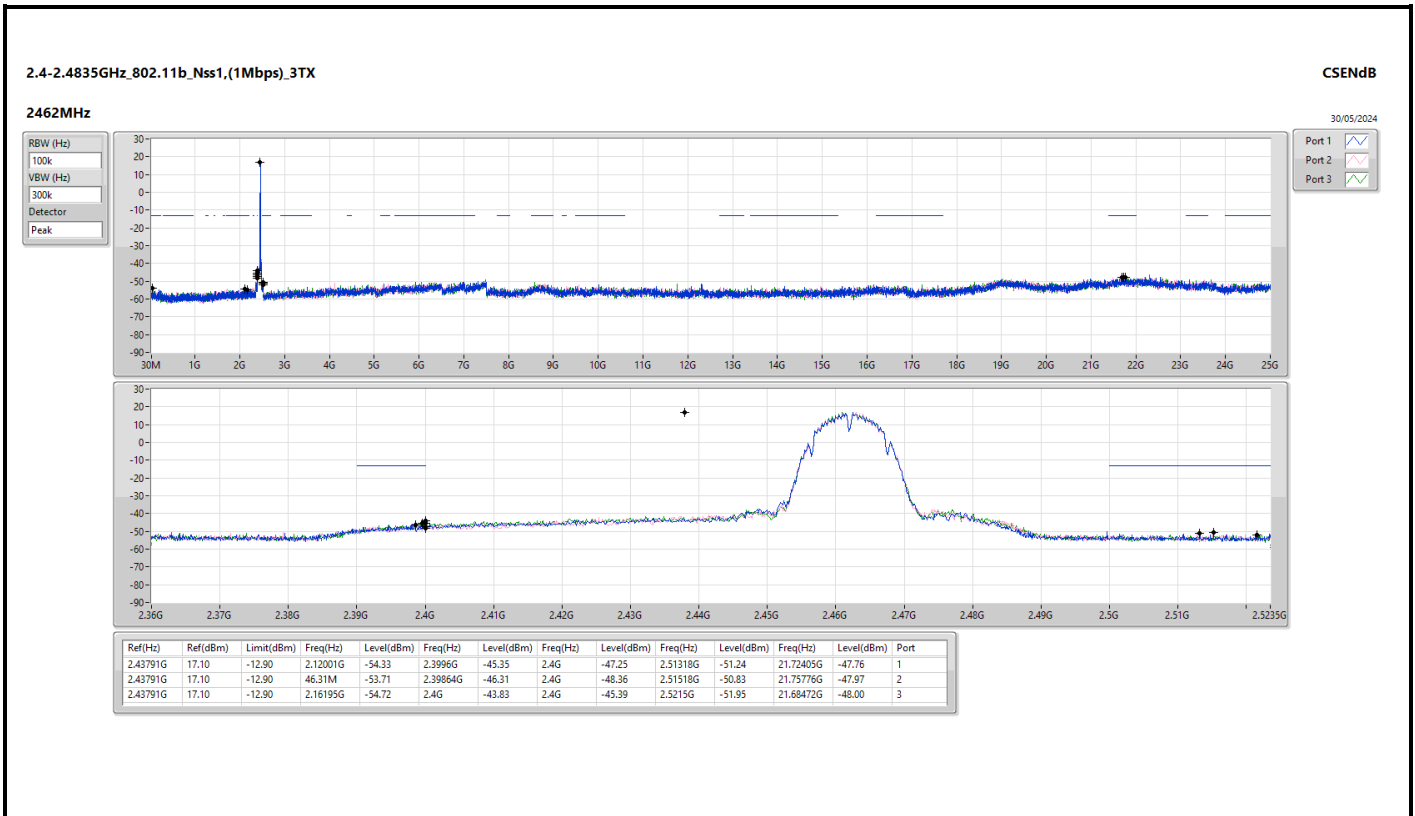
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_3TX	Pass	2.43791G	17.10	-12.90	1.6377G	-55.00	2.39896G	-36.96	2.4G	-38.09	2.51142G	-51.54	21.87015G	-47.09	3
802.11g_Nss1,(6Mbps)_3TX	Pass	2.44442G	14.22	-15.78	2.0571G	-54.33	2.39952G	-19.48	2.4G	-30.73	2.5043G	-51.65	21.98253G	-47.74	3
802.11be EHT20-BF_Nss1,(MCS0)_3TX	Pass	2.44192G	13.61	-16.39	2.07458G	-52.84	2.39688G	-34.31	2.4G	-30.51	2.50662G	-53.50	21.7381G	-47.82	1
802.11be EHT40-BF_Nss1,(MCS0)_3TX	Pass	2.4319G	6.65	-23.35	1.9078G	-54.48	2.39808G	-30.62	2.4G	-32.89	2.50862G	-54.11	21.49149G	-48.73	2

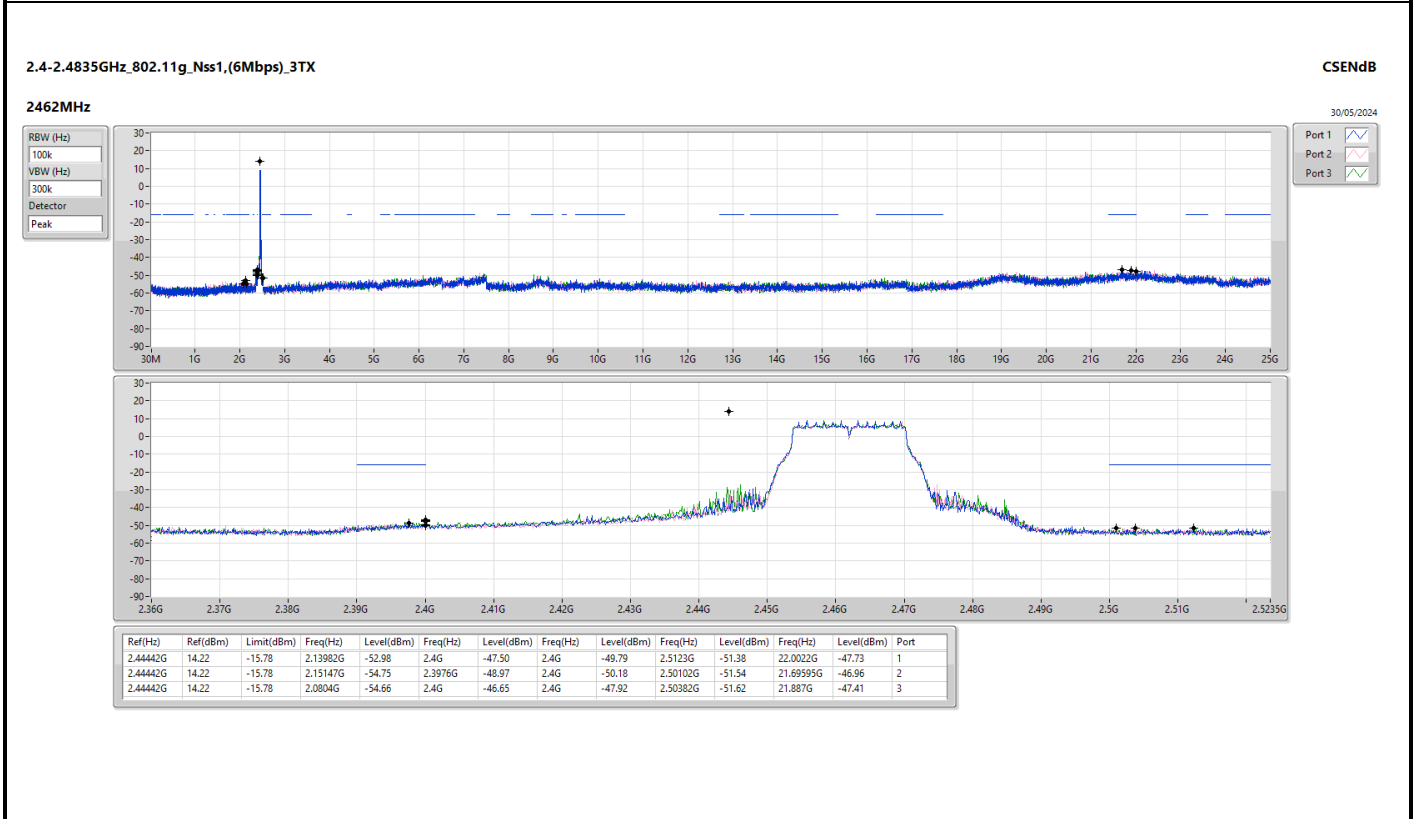
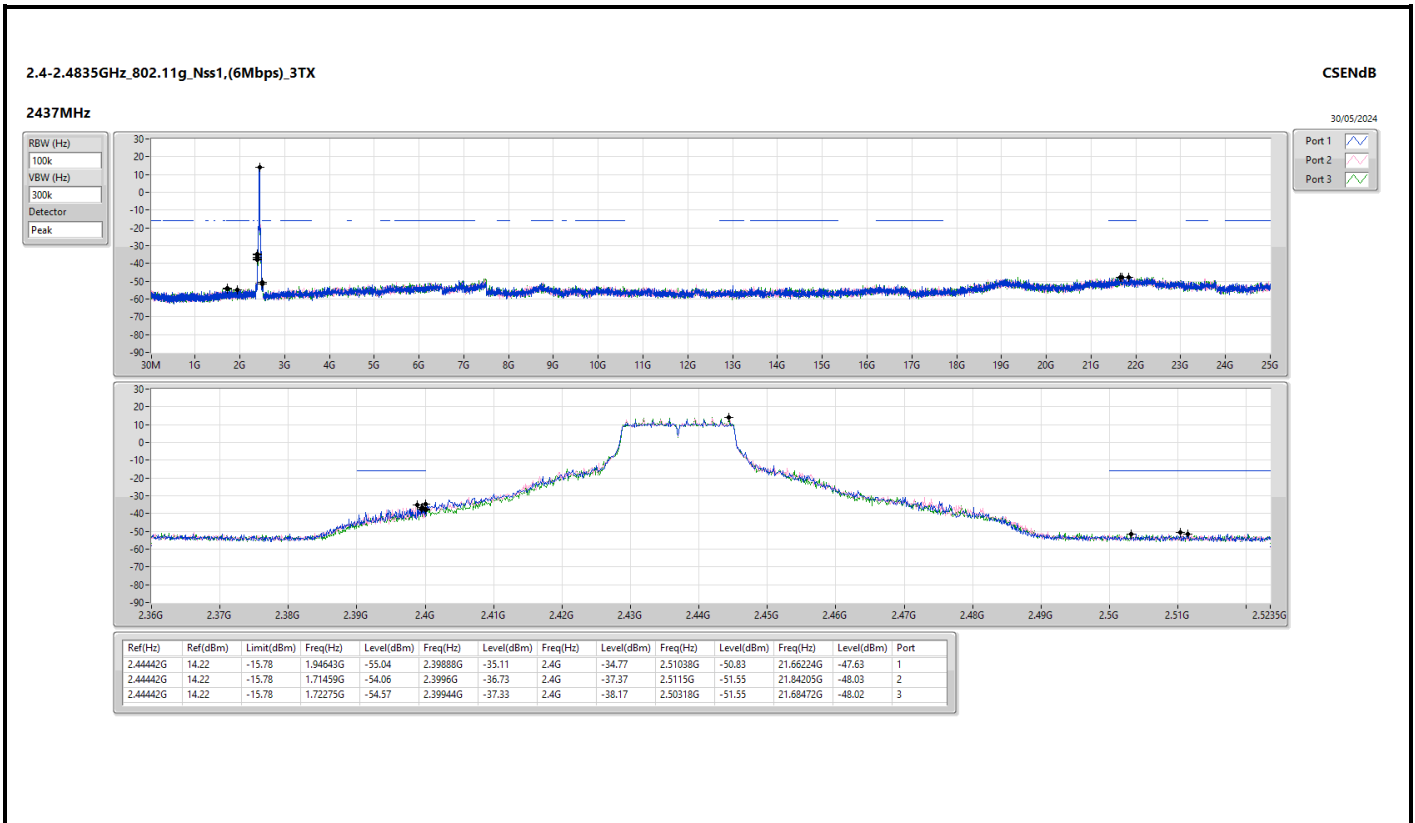


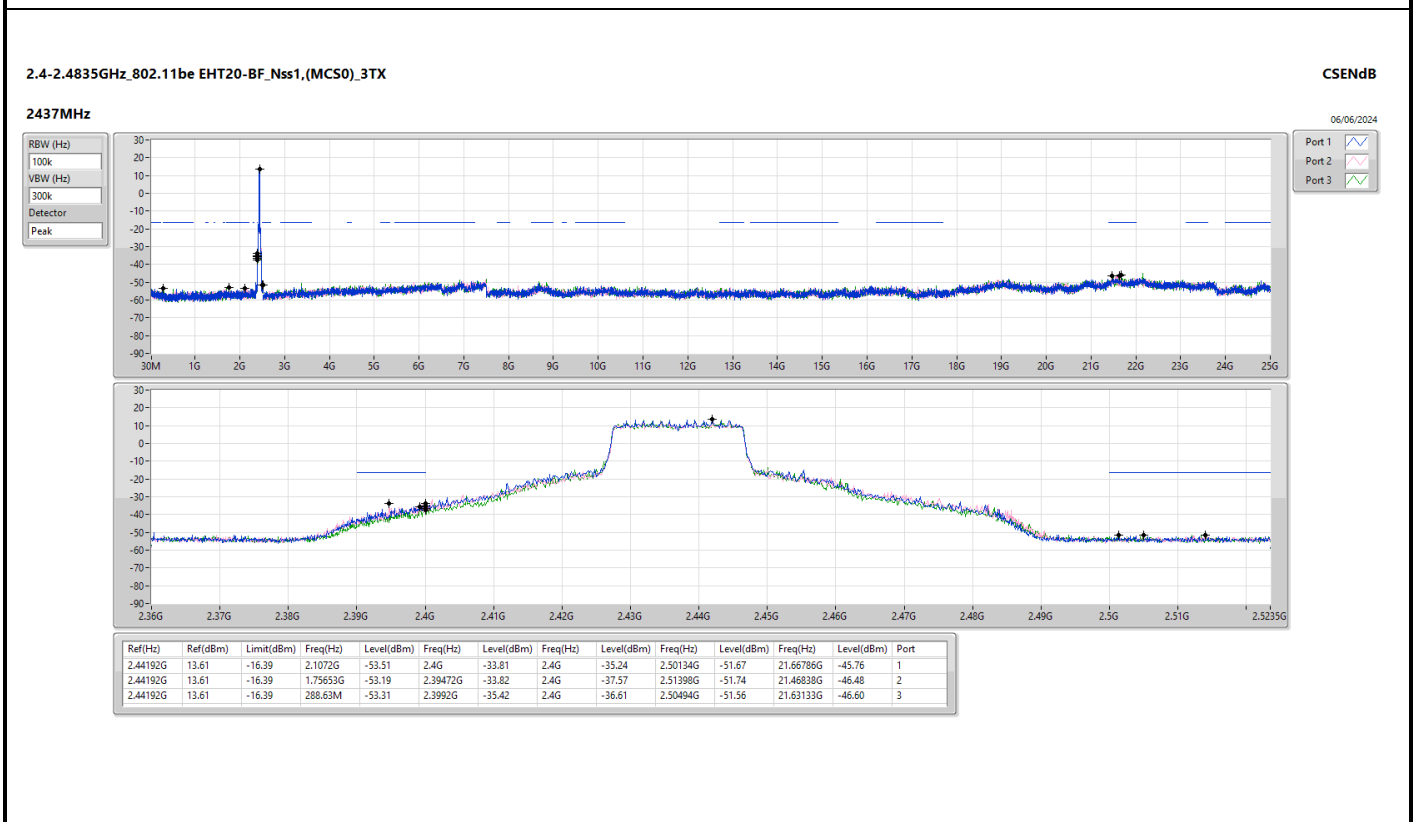
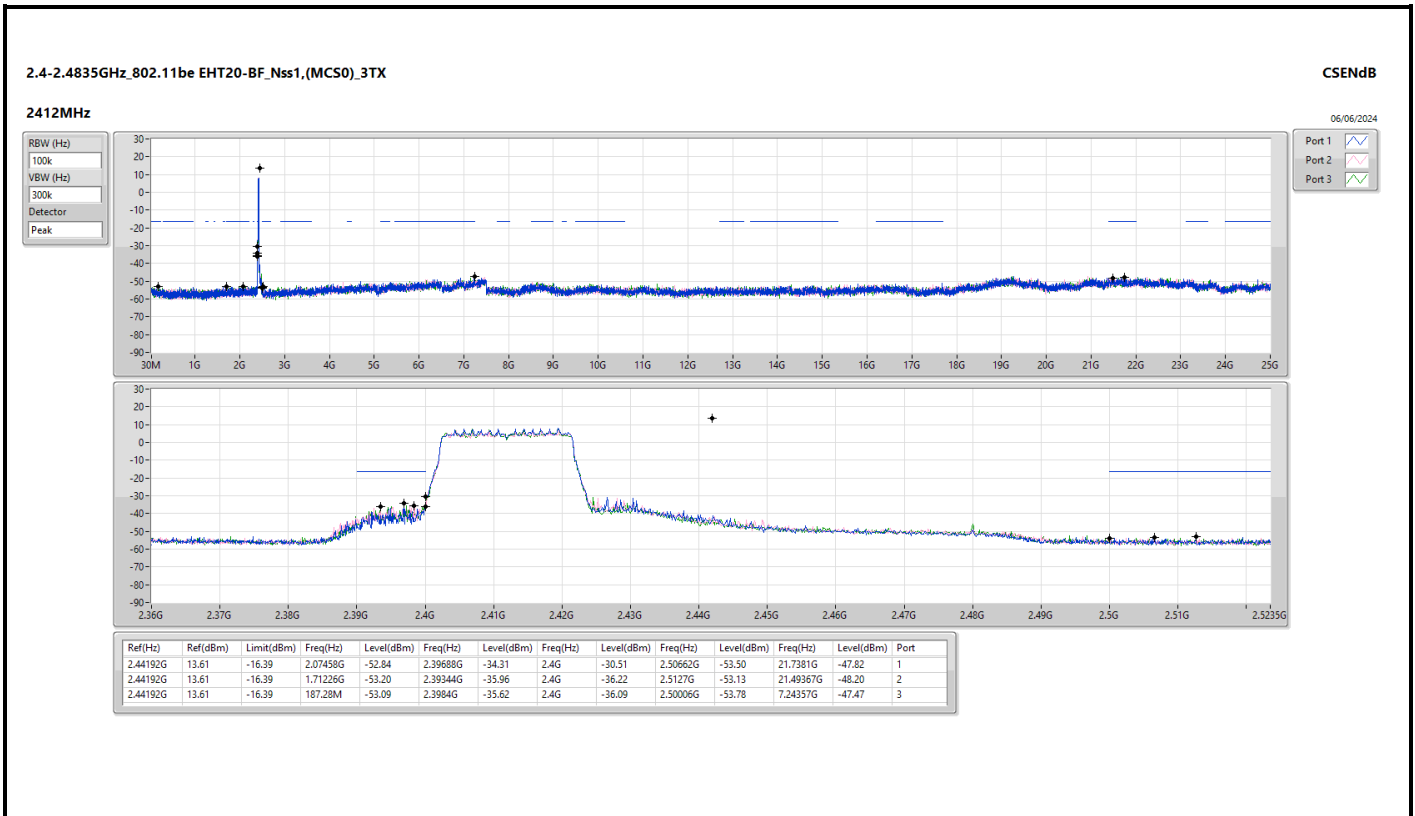
Result

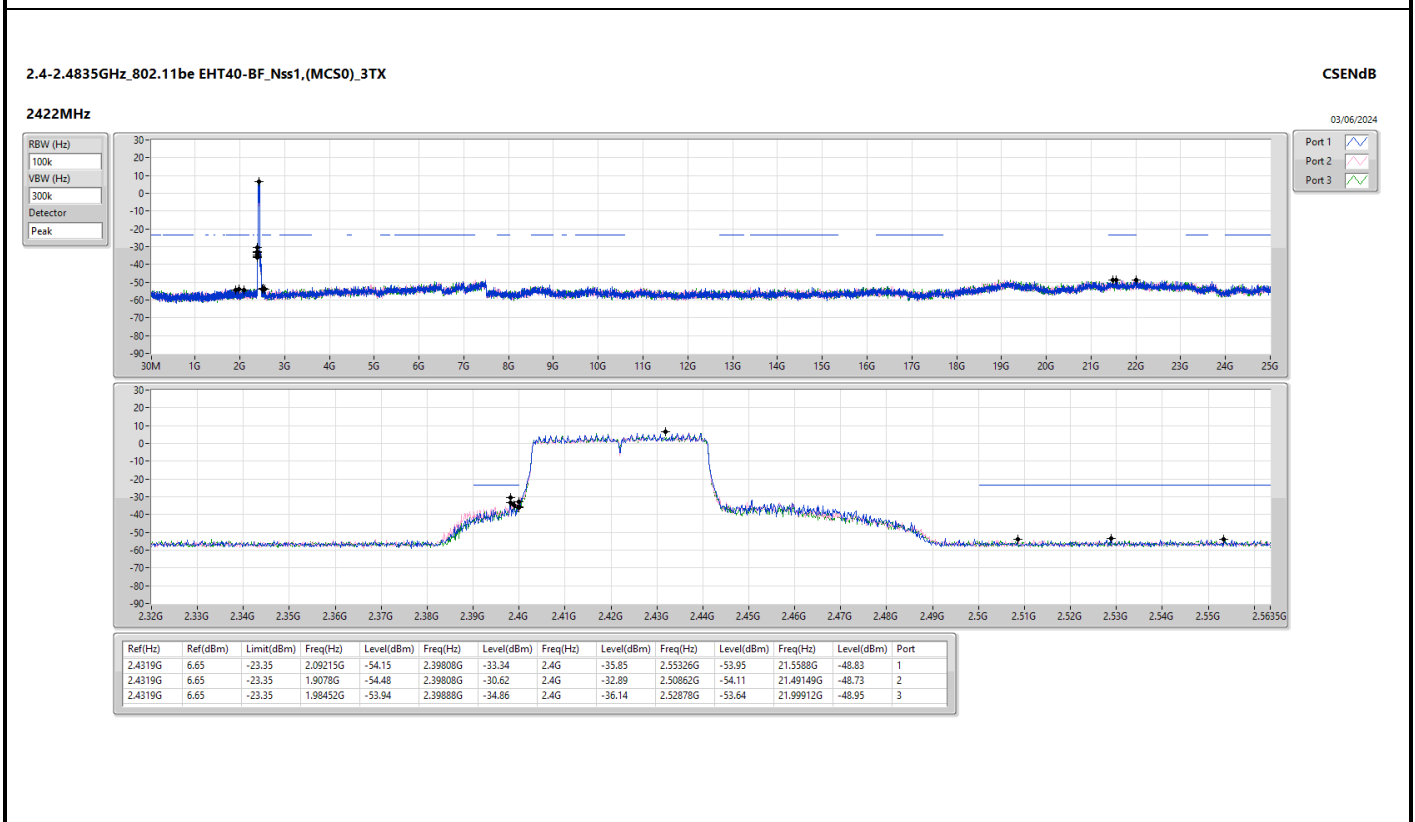
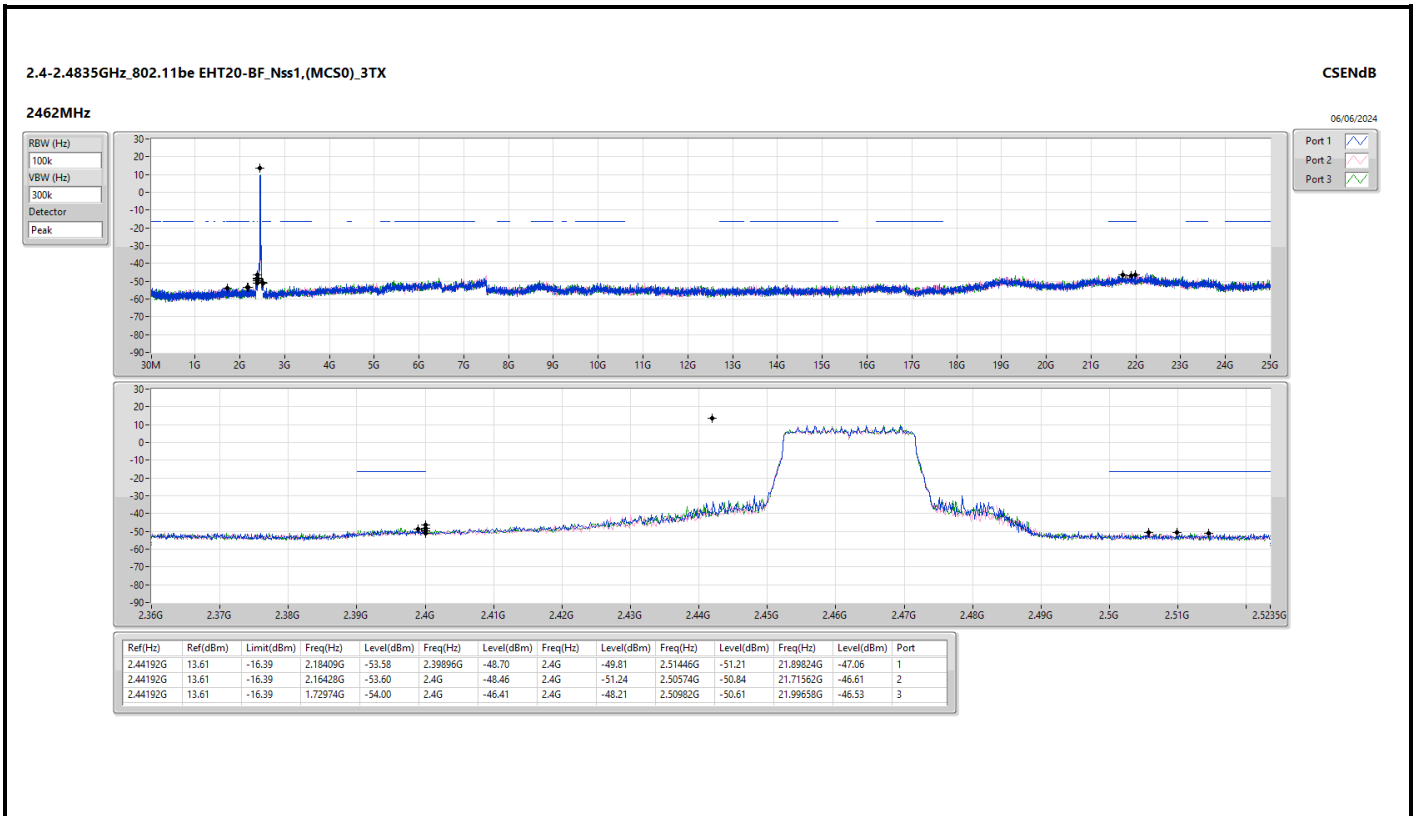
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_3TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43791G	17.10	-12.90	1.83342G	-54.55	2.39904G	-39.23	2.4G	-41.14	2.50438G	-51.80	21.68191G	-47.75	1
2412MHz	Pass	2.43791G	17.10	-12.90	2.03497G	-54.57	2.39896G	-38.17	2.4G	-41.47	2.5103G	-50.80	21.77181G	-47.61	2
2412MHz	Pass	2.43791G	17.10	-12.90	1.6377G	-55.00	2.39896G	-36.96	2.4G	-38.09	2.51142G	-51.54	21.87015G	-47.09	3
2437MHz	Pass	2.43791G	17.10	-12.90	2.18176G	-54.13	2.4G	-44.60	2.4G	-47.39	2.52206G	-52.06	21.81958G	-47.95	1
2437MHz	Pass	2.43791G	17.10	-12.90	2.11186G	-54.89	2.4G	-45.18	2.4G	-46.55	2.50222G	-50.94	21.77181G	-48.05	2
2437MHz	Pass	2.43791G	17.10	-12.90	2.0373G	-54.79	2.39696G	-43.72	2.4G	-44.22	2.50998G	-51.25	21.75215G	-46.62	3
2462MHz	Pass	2.43791G	17.10	-12.90	2.12001G	-54.33	2.3996G	-45.35	2.4G	-47.25	2.51318G	-51.24	21.72405G	-47.76	1
2462MHz	Pass	2.43791G	17.10	-12.90	46.31M	-53.71	2.39864G	-46.31	2.4G	-48.36	2.51518G	-50.83	21.75776G	-47.97	2
2462MHz	Pass	2.43791G	17.10	-12.90	2.16195G	-54.72	2.4G	-43.83	2.4G	-45.39	2.5215G	-51.95	21.68472G	-48.00	3
802.11g_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44442G	14.22	-15.78	1.428G	-54.37	2.39824G	-24.80	2.4G	-22.91	2.51166G	-52.09	21.63695G	-48.13	1
2412MHz	Pass	2.44442G	14.22	-15.78	1.71226G	-54.66	2.39824G	-21.11	2.4G	-25.76	2.51342G	-51.62	22.0022G	-47.60	2
2412MHz	Pass	2.44442G	14.22	-15.78	2.0571G	-54.33	2.39952G	-19.48	2.4G	-30.73	2.5043G	-51.65	21.98253G	-47.74	3
2437MHz	Pass	2.44442G	14.22	-15.78	1.94643G	-55.04	2.39888G	-35.11	2.4G	-34.77	2.51038G	-50.83	21.66224G	-47.63	1
2437MHz	Pass	2.44442G	14.22	-15.78	1.71459G	-54.06	2.3996G	-36.73	2.4G	-37.37	2.5115G	-51.55	21.84205G	-48.03	2
2437MHz	Pass	2.44442G	14.22	-15.78	1.72275G	-54.57	2.39944G	-37.33	2.4G	-38.17	2.50318G	-51.55	21.68472G	-48.02	3
2462MHz	Pass	2.44442G	14.22	-15.78	2.13982G	-52.98	2.4G	-47.50	2.4G	-49.79	2.5123G	-51.38	22.0022G	-47.73	1
2462MHz	Pass	2.44442G	14.22	-15.78	2.15147G	-54.75	2.3976G	-48.97	2.4G	-50.18	2.50102G	-51.54	21.69595G	-46.96	2
2462MHz	Pass	2.44442G	14.22	-15.78	2.0804G	-54.66	2.4G	-46.65	2.4G	-47.92	2.50382G	-51.62	21.887G	-47.41	3
802.11be EHT20-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	13.61	-16.39	2.07458G	-52.84	2.39688G	-34.31	2.4G	-30.51	2.50662G	-53.50	21.7381G	-47.82	1
2412MHz	Pass	2.44192G	13.61	-16.39	1.71226G	-53.20	2.39344G	-35.96	2.4G	-36.22	2.5127G	-53.13	21.49367G	-48.20	2
2412MHz	Pass	2.44192G	13.61	-16.39	187.28M	-53.09	2.3984G	-35.62	2.4G	-36.09	2.50006G	-53.78	7.24357G	-47.47	3
2437MHz	Pass	2.44192G	13.61	-16.39	2.1072G	-53.51	2.4G	-33.81	2.4G	-35.24	2.50134G	-51.67	21.66786G	-45.76	1
2437MHz	Pass	2.44192G	13.61	-16.39	1.75653G	-53.19	2.39472G	-33.82	2.4G	-37.57	2.51398G	-51.74	21.46838G	-46.48	2
2437MHz	Pass	2.44192G	13.61	-16.39	288.63M	-53.31	2.3992G	-35.42	2.4G	-36.61	2.50494G	-51.56	21.63133G	-46.60	3
2462MHz	Pass	2.44192G	13.61	-16.39	2.18409G	-53.58	2.39896G	-48.70	2.4G	-49.81	2.51446G	-51.21	21.89824G	-47.06	1
2462MHz	Pass	2.44192G	13.61	-16.39	2.16428G	-53.60	2.4G	-48.46	2.4G	-51.24	2.50574G	-50.84	21.71562G	-46.61	2
2462MHz	Pass	2.44192G	13.61	-16.39	1.72974G	-54.00	2.4G	-46.41	2.4G	-48.21	2.50982G	-50.61	21.99658G	-46.53	3
802.11be EHT40-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4319G	6.65	-23.35	2.09215G	-54.15	2.39808G	-33.34	2.4G	-35.85	2.55326G	-53.95	21.5588G	-48.83	1
2422MHz	Pass	2.4319G	6.65	-23.35	1.9078G	-54.48	2.39808G	-30.62	2.4G	-32.89	2.50862G	-54.11	21.49149G	-48.73	2
2422MHz	Pass	2.4319G	6.65	-23.35	1.98452G	-53.94	2.39888G	-34.86	2.4G	-36.14	2.52878G	-53.64	21.99912G	-48.95	3
2437MHz	Pass	2.4319G	6.65	-23.35	33.44M	-52.80	2.39776G	-37.15	2.4G	-38.42	2.5011G	-53.95	21.61209G	-48.36	1
2437MHz	Pass	2.4319G	6.65	-23.35	1.75323G	-53.74	2.3992G	-38.25	2.4G	-38.72	2.5539G	-54.45	23.1574G	-47.73	2
2437MHz	Pass	2.4319G	6.65	-23.35	31.15M	-53.33	2.39872G	-38.42	2.4G	-37.64	2.52046G	-54.22	21.70464G	-48.62	3
2452MHz	Pass	2.4319G	6.65	-23.35	2.16428G	-53.78	2.39888G	-44.99	2.4G	-47.22	2.53966G	-54.14	23.19106G	-49.65	1
2452MHz	Pass	2.4319G	6.65	-23.35	1.87918G	-53.96	2.39808G	-47.29	2.4G	-49.28	2.54302G	-53.98	6.41977G	-48.39	2
2452MHz	Pass	2.4319G	6.65	-23.35	34.58M	-53.67	2.4G	-45.41	2.4G	-44.63	2.51038G	-54.55	21.9907G	-49.27	3

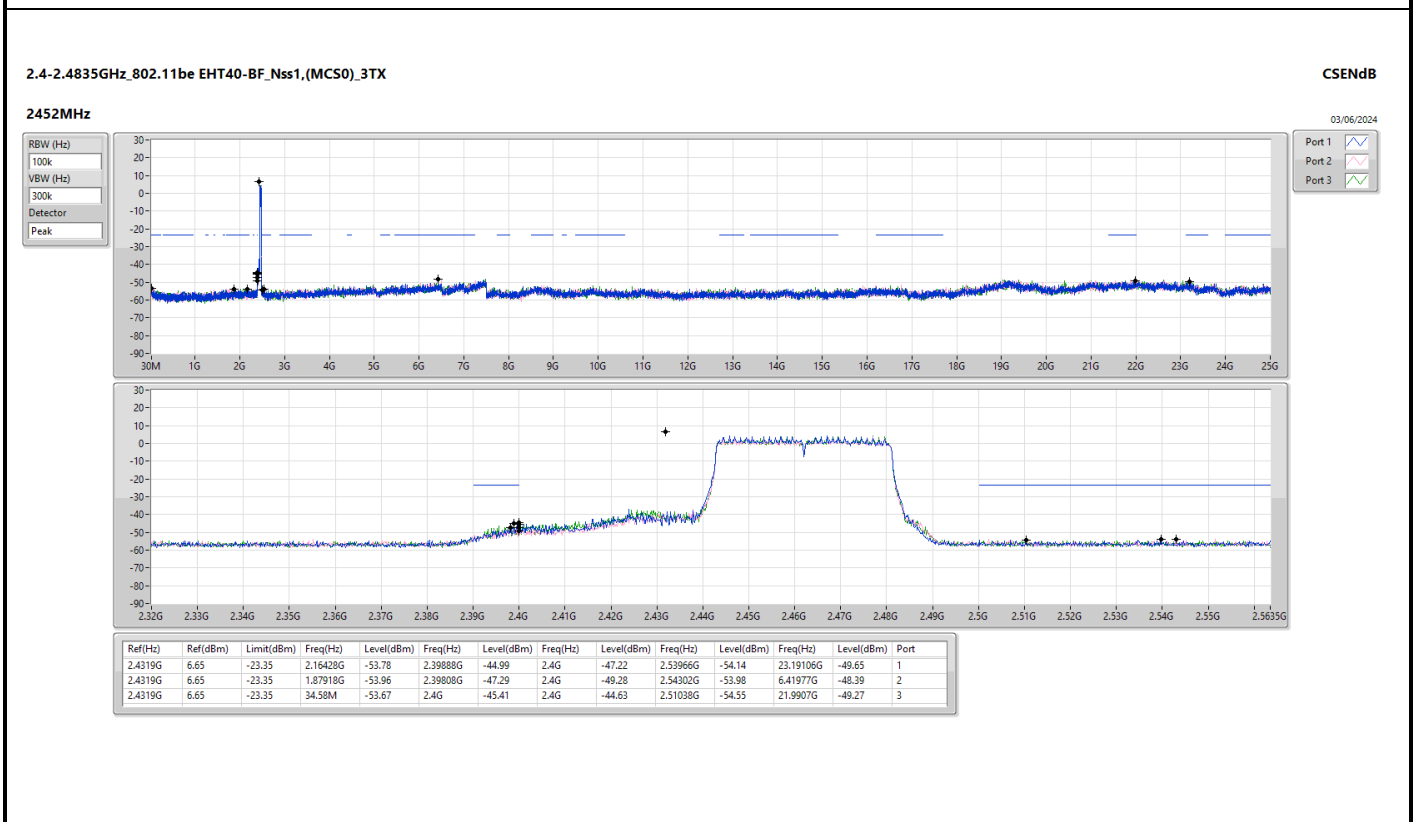
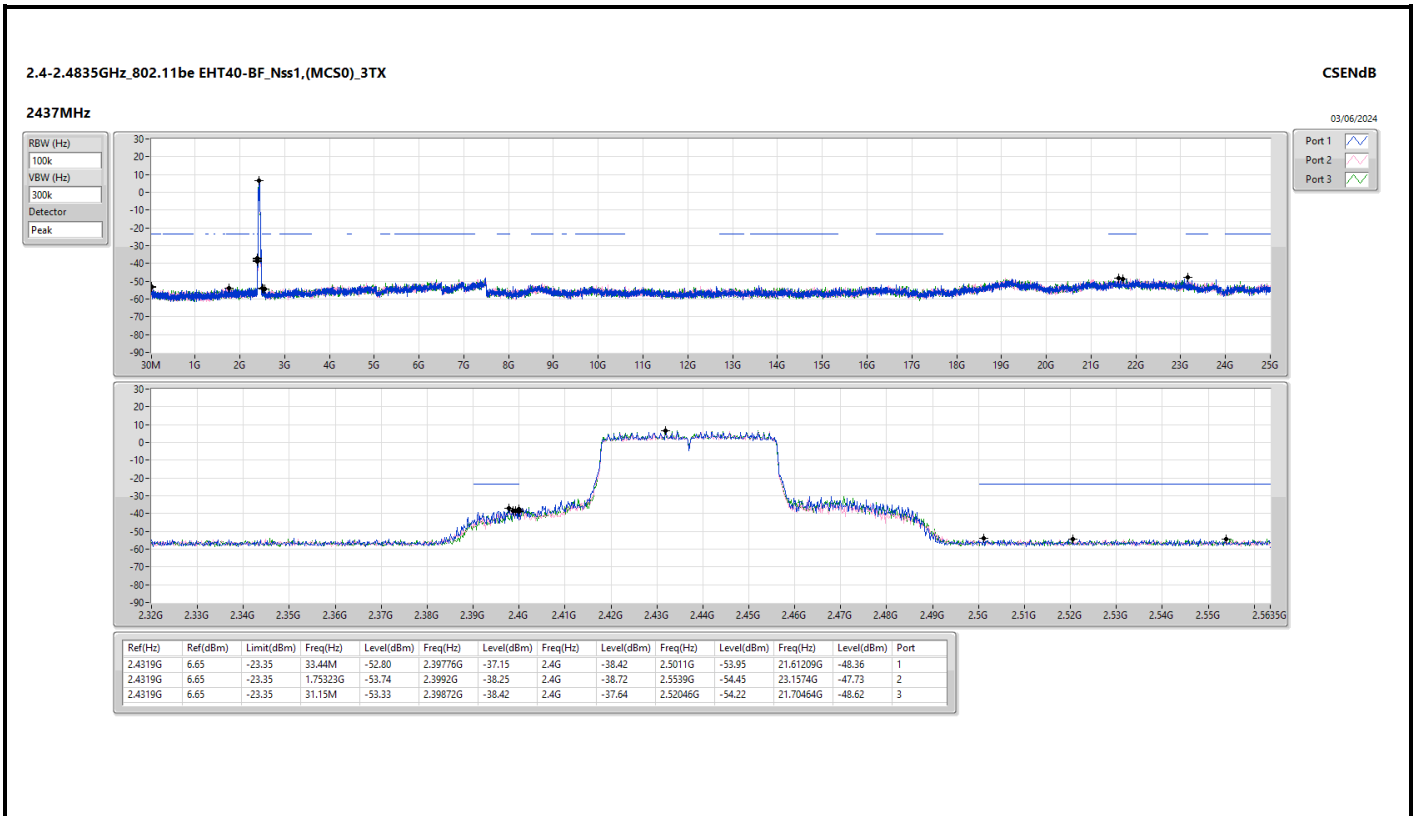










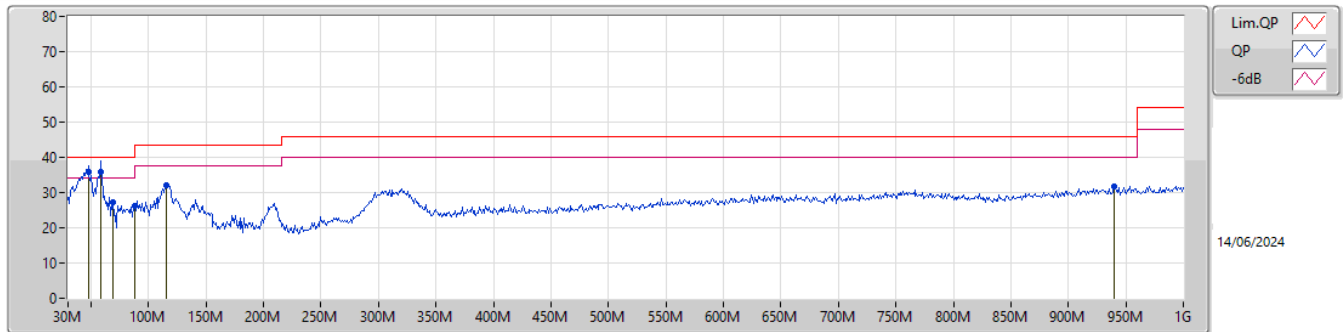




Summary

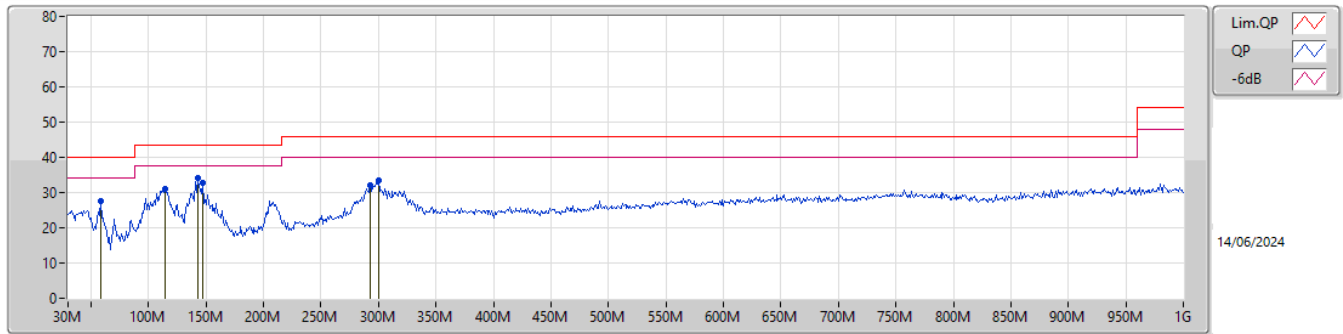
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 3	Pass	QP	47.46M	35.80	40.00	-4.20	Vertical

Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	47.46M	35.80	40.00	-4.20	-15.50	3	Vertical	21	1.00	"Worst"	51.30	15.54	1.31	32.35
QP	58.13M	35.69	40.00	-4.31	-18.11	3	Vertical	0	1.00	"	53.80	12.77	1.40	32.28
PK	68.8M	27.29	40.00	-12.71	-18.45	3	Vertical	296	2.00	-	45.74	12.37	1.47	32.29
PK	88M	26.20	43.50	-17.30	-16.06	3	Vertical	82	1.50	-	42.26	14.71	1.61	32.38
PK	115.36M	32.23	43.50	-11.27	-12.54	3	Vertical	245	1.00	-	44.77	18.02	1.76	32.32
PK	939.86M	31.78	46.00	-14.22	0.09	3	Vertical	160	1.00	-	31.69	26.38	4.38	30.67

Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	58.13M	27.62	40.00	-12.38	-18.11	3	Horizontal	88	3.00	-	45.73	12.77	1.40	32.28
PK	114.39M	30.94	43.50	-12.56	-12.63	3	Horizontal	280	3.00	-	43.57	17.93	1.76	32.32
PK	142.52M	33.98	43.50	-9.52	-13.35	3	Horizontal	62	2.00	"Worst"	47.33	17.01	1.91	32.27
PK	147.37M	32.68	43.50	-10.82	-13.55	3	Horizontal	244	2.00	-	46.23	16.79	1.93	32.27
PK	292.87M	32.11	46.00	-13.89	-10.52	3	Horizontal	255	1.00	-	42.63	18.93	2.56	32.01
PK	300.63M	33.28	46.00	-12.72	-10.26	3	Horizontal	248	1.00	-	43.54	19.10	2.59	31.95

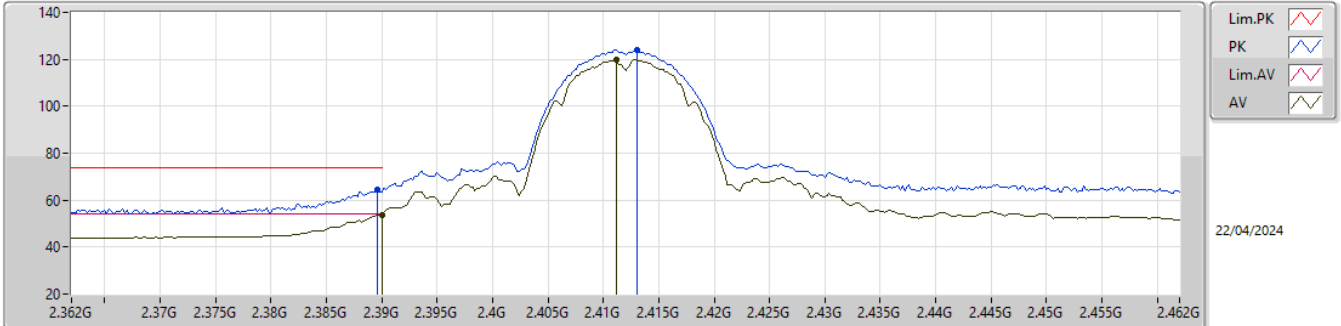


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11be EHT20-BF_Nss1,(MCS0)_3TX	Pass	PK	2.3892G	73.96	74.00	-0.04	3	Vertical	221	2.15	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2412MHz_TX

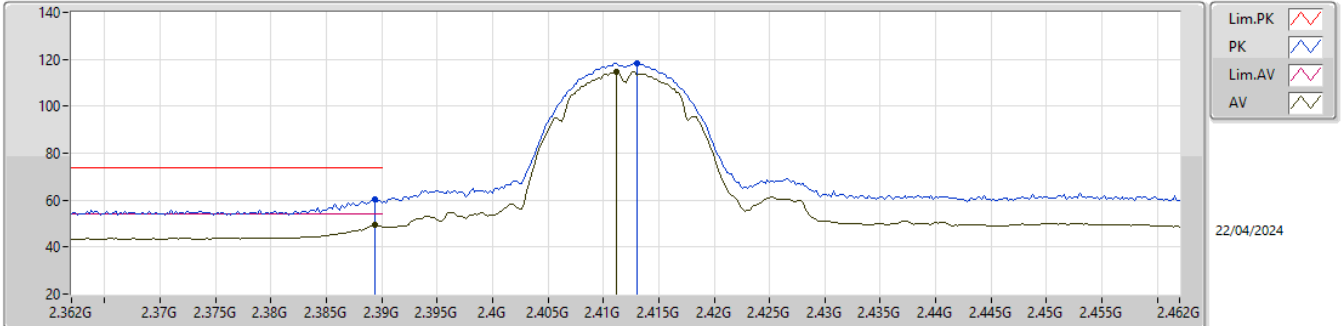


EUT_Y_3TX
Setting 104
02-C-V-1

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	2.3896G	64.54	74.00	-9.46	32.99	3	Vertical	207	1.85	-	28.50	3.05	-
AV	2.39G	53.77	54.00	-0.23	22.21	3	Vertical	207	1.85	-	28.50	3.06	-
PK	2.413G	123.87	Inf	-Inf	92.40	3	Vertical	207	1.85	-	28.40	3.07	-
AV	2.4112G	119.87	Inf	-Inf	88.41	3	Vertical	207	1.85	-	28.40	3.06	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2412MHz_TX

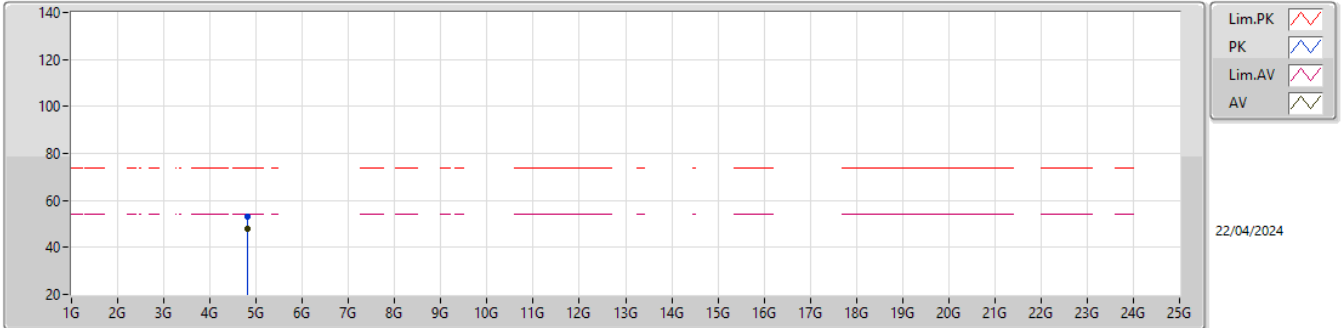


EUT_Y_3TX
 Setting 104
 02-C-V-1

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	2.3894G	60.43	74.00	-13.57	28.89	3	Horizontal	359	1.21	-	28.49	3.05	-
AV	2.3894G	49.26	54.00	-4.74	17.72	3	Horizontal	359	1.21	-	28.49	3.05	-
PK	2.413G	118.40	Inf	-Inf	86.93	3	Horizontal	359	1.21	-	28.40	3.07	-
AV	2.4112G	114.59	Inf	-Inf	83.13	3	Horizontal	359	1.21	-	28.40	3.06	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2412MHz_TX

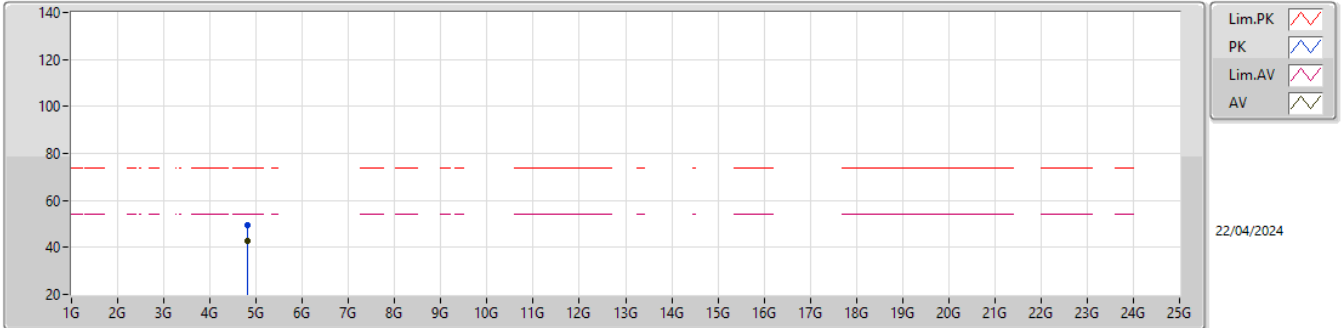


EUT_Y_3TX
 Setting 108
 02-C-V-1

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	4.82388G	53.00	74.00	-21.00	45.43	3	Vertical	122	2.00	-	33.15	5.10	30.68
AV	4.82394G	47.78	54.00	-6.22	40.21	3	Vertical	122	2.00	-	33.15	5.10	30.68

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2412MHz_TX

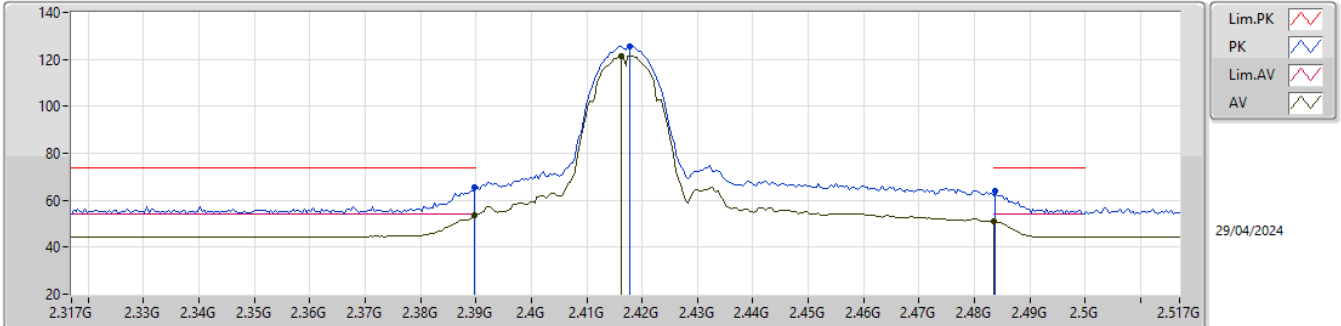


EUTY_3TX
Setting 108
02-C-V-1

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	4.82412G	49.62	74.00	-24.38	42.05	3	Horizontal	359	1.63	-	33.15	5.10	30.68
AV	4.82388G	42.96	54.00	-11.04	35.39	3	Horizontal	359	1.63	-	33.15	5.10	30.68

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2417MHz_TX

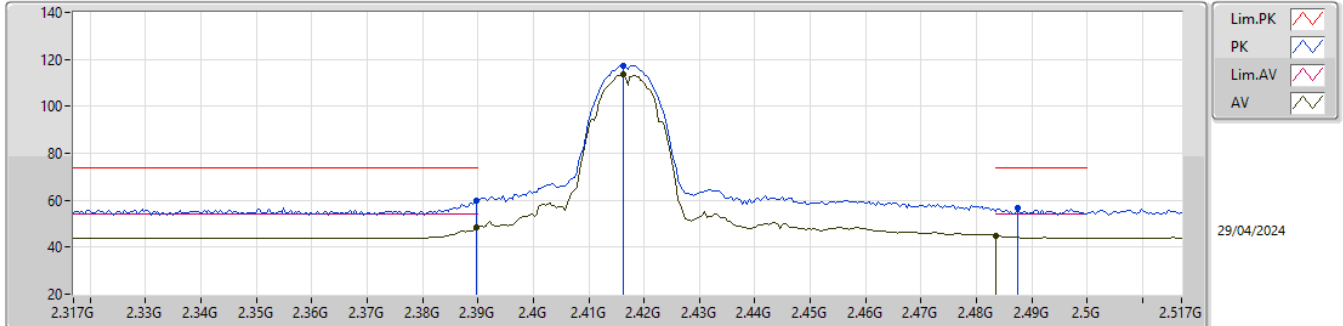


EUT_Y_3TX
Setting 105
02-C-A-4

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	2.3898G	65.49	74.00	-8.51	33.94	3	Vertical	207	2.11	-	28.50	3.05	-
AV	2.3898G	53.52	54.00	-0.48	21.97	3	Vertical	207	2.11	-	28.50	3.05	-
PK	2.4178G	125.77	Inf	-Inf	94.30	3	Vertical	207	2.11	-	28.40	3.07	-
AV	2.4162G	121.47	Inf	-Inf	90.00	3	Vertical	207	2.11	-	28.40	3.07	-
PK	2.4838G	63.77	74.00	-10.23	32.08	3	Vertical	207	2.11	-	28.60	3.09	-
AV	2.4835G	50.92	54.00	-3.08	19.23	3	Vertical	207	2.11	-	28.60	3.09	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2417MHz_TX

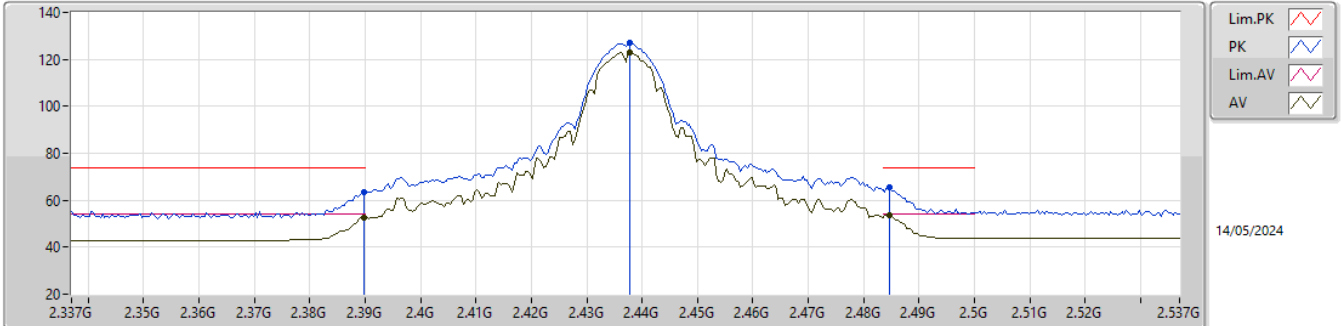


EUTY_3TX
Setting 105
02-C-A-4

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	2.3898G	59.65	74.00	-14.35	28.10	3	Horizontal	40	2.17	-	28.50	3.05	-
AV	2.3898G	48.69	54.00	-5.31	17.14	3	Horizontal	40	2.17	-	28.50	3.05	-
PK	2.4162G	117.48	Inf	-Inf	86.01	3	Horizontal	40	2.17	-	28.40	3.07	-
AV	2.4162G	113.73	Inf	-Inf	82.26	3	Horizontal	40	2.17	-	28.40	3.07	-
PK	2.4874G	56.47	74.00	-17.53	24.78	3	Horizontal	40	2.17	-	28.60	3.09	-
AV	2.4835G	44.93	54.00	-9.07	13.24	3	Horizontal	40	2.17	-	28.60	3.09	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2437MHz_TX

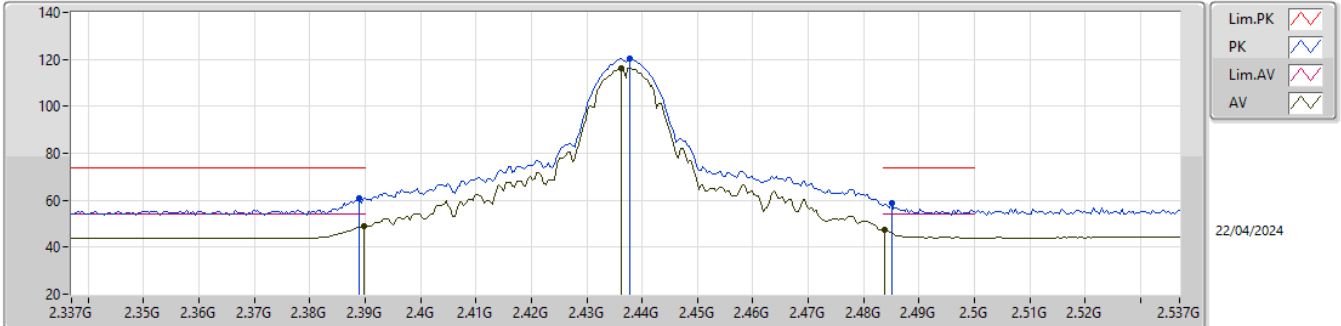


EUT_Y_3TX
Setting 108
04-E-G-5

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	2.3898G	63.26	74.00	-10.74	32.51	3	Vertical	165	1.80	-	27.40	3.35	-
AV	2.3898G	52.69	54.00	-1.31	21.94	3	Vertical	165	1.80	-	27.40	3.35	-
PK	2.4378G	126.97	Inf	-Inf	96.02	3	Vertical	165	1.80	-	27.58	3.37	-
AV	2.4378G	122.84	Inf	-Inf	91.89	3	Vertical	165	1.80	-	27.58	3.37	-
PK	2.4846G	65.50	74.00	-8.50	34.45	3	Vertical	165	1.80	-	27.65	3.40	-
AV	2.4846G	53.84	54.00	-0.16	22.79	3	Vertical	165	1.80	-	27.65	3.40	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2437MHz_TX

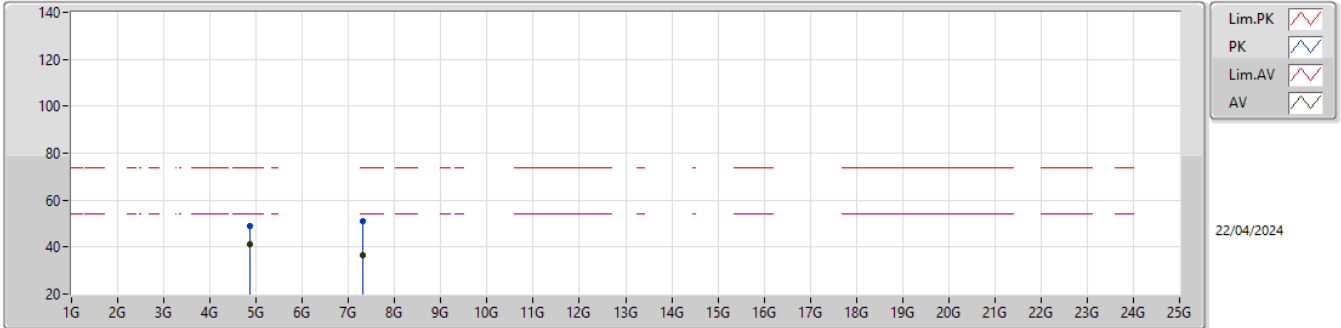


EUT_Y_3TX
Setting 108
02-C-V-1

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	2.389G	60.95	74.00	-13.05	29.41	3	Horizontal	148	1.13	-	28.49	3.05	-
AV	2.3898G	49.08	54.00	-4.92	17.53	3	Horizontal	148	1.13	-	28.50	3.05	-
PK	2.4378G	120.30	Inf	-Inf	88.72	3	Horizontal	148	1.13	-	28.50	3.08	-
AV	2.4362G	116.45	Inf	-Inf	84.88	3	Horizontal	148	1.13	-	28.50	3.07	-
PK	2.485G	58.78	74.00	-15.22	27.09	3	Horizontal	148	1.13	-	28.60	3.09	-
AV	2.4838G	47.28	54.00	-6.72	15.59	3	Horizontal	148	1.13	-	28.60	3.09	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2437MHz_TX

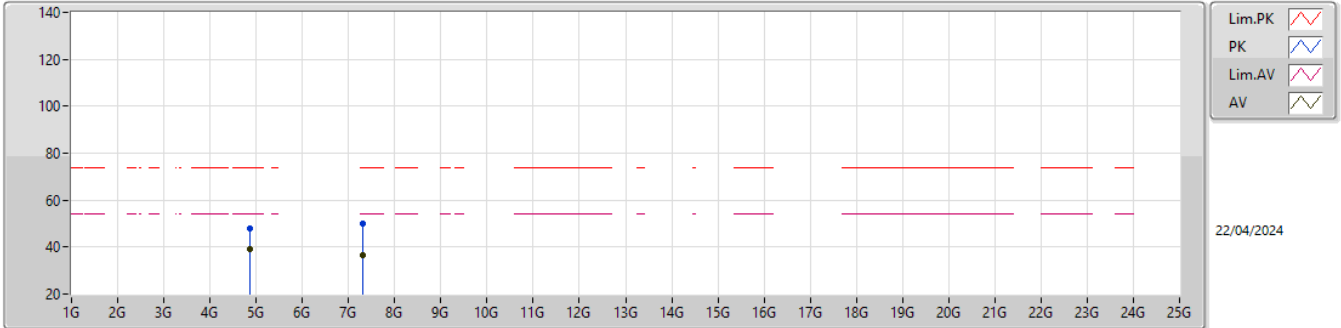


EUT_Y_3TX
Setting 108
02-C-V-1

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	4.87388G	48.95	74.00	-25.05	41.23	3	Vertical	260	1.70	-	33.25	5.11	30.64
AV	4.87394G	40.98	54.00	-13.02	33.26	3	Vertical	260	1.70	-	33.25	5.11	30.64
PK	7.3149G	51.10	74.00	-22.90	40.25	3	Vertical	152	1.51	-	36.46	6.51	32.12
AV	7.31598G	36.56	54.00	-17.44	25.71	3	Vertical	152	1.51	-	36.46	6.51	32.12

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2437MHz_TX

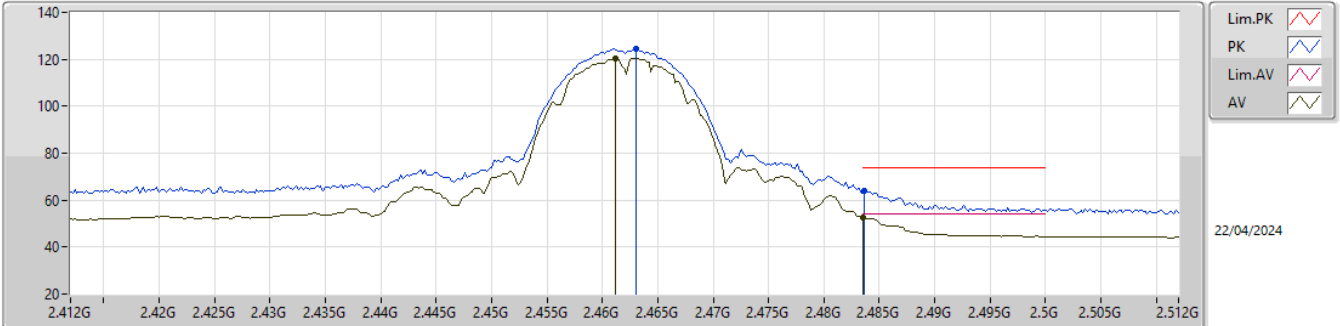


EUT_Y_3TX
Setting 108
02-C-V-1

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	4.87376G	48.11	74.00	-25.89	40.39	3	Horizontal	0	1.80	-	33.25	5.11	30.64
AV	4.87394G	39.37	54.00	-14.63	31.65	3	Horizontal	0	1.80	-	33.25	5.11	30.64
PK	7.30476G	50.14	74.00	-23.86	39.32	3	Horizontal	354	1.74	-	36.42	6.51	32.11
AV	7.31988G	36.62	54.00	-17.38	25.74	3	Horizontal	354	1.74	-	36.48	6.52	32.12

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2462MHz_TX

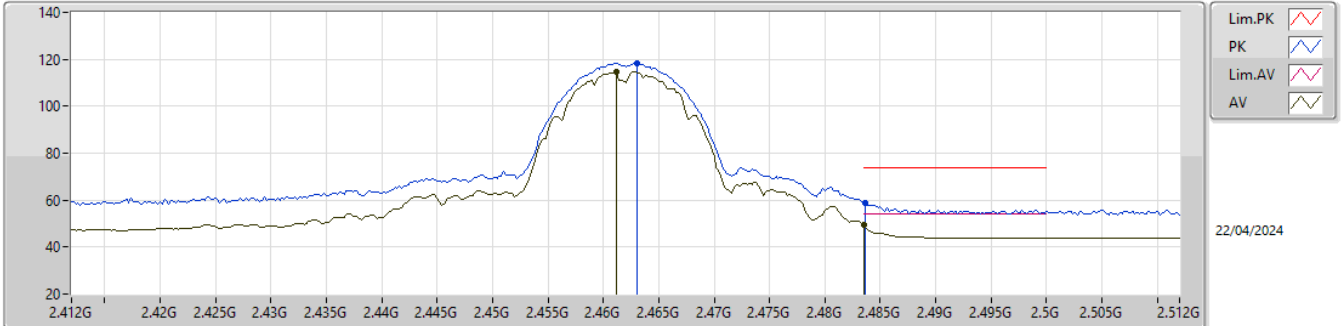


EUT_Y_3TX
Setting 108
02-C-V-1

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	2.463G	124.45	Inf	-Inf	92.93	3	Vertical	211	1.69	-	28.43	3.09	-
AV	2.4612G	120.60	Inf	-Inf	89.11	3	Vertical	211	1.69	-	28.41	3.08	-
PK	2.4836G	63.87	74.00	-10.13	32.18	3	Vertical	211	1.69	-	28.60	3.09	-
AV	2.4835G	52.82	54.00	-1.18	21.13	3	Vertical	211	1.69	-	28.60	3.09	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2462MHz_TX

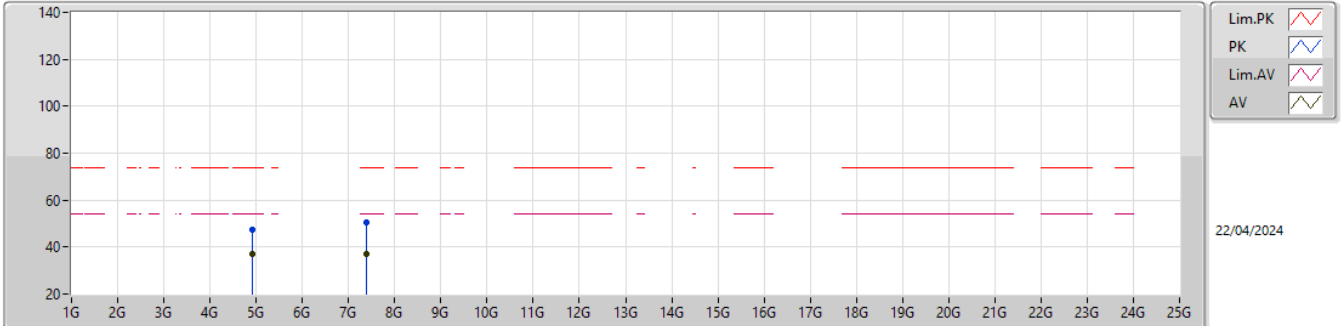


EUT_Y_3TX
Setting 108
02-C-V-1

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	2.463G	118.45	Inf	-Inf	86.93	3	Horizontal	154	2.45	-	28.43	3.09	-
AV	2.4612G	114.66	Inf	-Inf	83.17	3	Horizontal	154	2.45	-	28.41	3.08	-
PK	2.4836G	59.04	74.00	-14.96	27.35	3	Horizontal	154	2.45	-	28.60	3.09	-
AV	2.4835G	49.38	54.00	-4.62	17.69	3	Horizontal	154	2.45	-	28.60	3.09	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2462MHz_TX

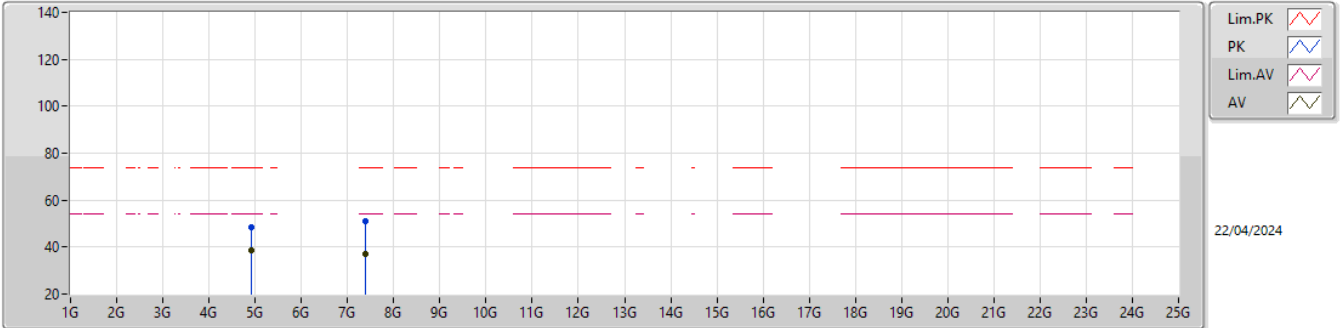


EUT_Y_3TX
Setting 108
02-C-V-1

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	4.92088G	47.35	74.00	-26.65	39.49	3	Vertical	14	1.51	-	33.34	5.13	30.61
AV	4.92394G	36.92	54.00	-17.08	29.05	3	Vertical	14	1.51	-	33.35	5.13	30.61
PK	7.39116G	50.53	74.00	-23.47	39.53	3	Vertical	33	1.53	-	36.60	6.56	32.16
AV	7.39998G	37.21	54.00	-16.79	26.21	3	Vertical	33	1.53	-	36.60	6.56	32.16

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2462MHz_TX

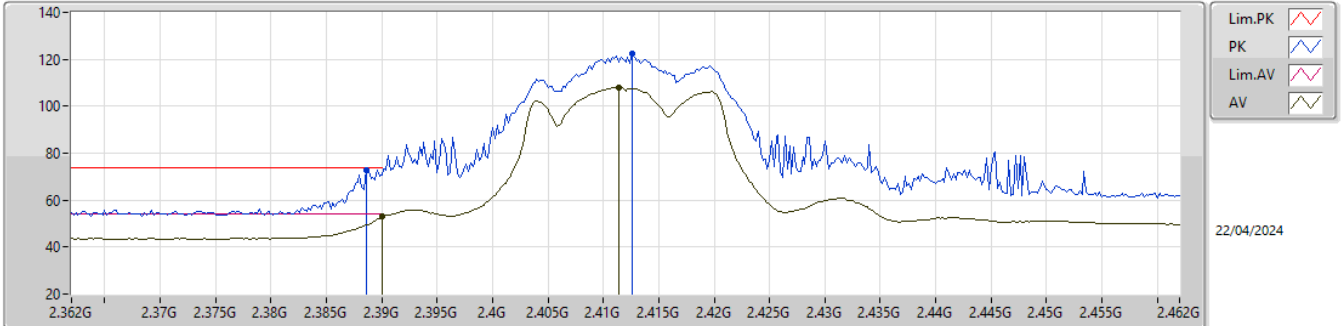


EUT_Y_3TX
Setting 108
02-C-V-1

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	4.92412G	48.44	74.00	-25.56	40.57	3	Horizontal	0	1.80	-	33.35	5.13	30.61
AV	4.92394G	38.78	54.00	-15.22	30.91	3	Horizontal	0	1.80	-	33.35	5.13	30.61
PK	7.39722G	50.98	74.00	-23.02	39.98	3	Horizontal	150	1.48	-	36.60	6.56	32.16
AV	7.3986G	37.16	54.00	-16.84	26.16	3	Horizontal	150	1.48	-	36.60	6.56	32.16

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2412MHz_TX

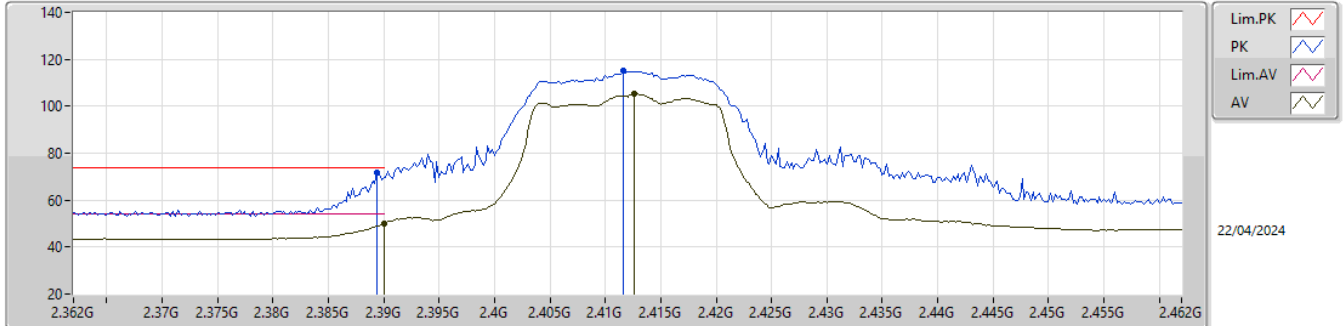


EUT_Y_3TX
Setting 85
02-C-V-1

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	2.3886G	72.91	74.00	-1.09	41.37	3	Vertical	214	1.80	-	28.49	3.05	-
AV	2.39G	52.90	54.00	-1.10	21.34	3	Vertical	214	1.80	-	28.50	3.06	-
PK	2.4126G	122.55	Inf	-Inf	91.08	3	Vertical	214	1.80	-	28.40	3.07	-
AV	2.4114G	107.97	Inf	-Inf	76.51	3	Vertical	214	1.80	-	28.40	3.06	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2412MHz_TX

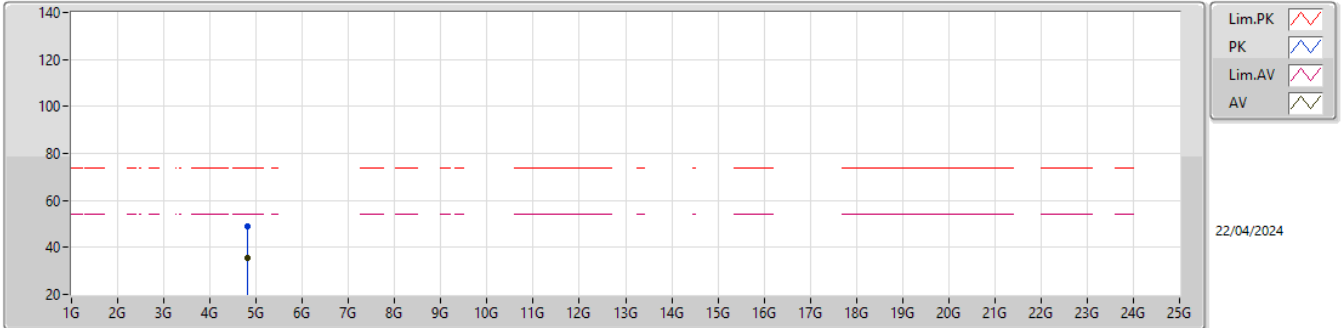


EUT_Y_3TX
Setting 85
02-C-V-1

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	2.3894G	71.73	74.00	-2.27	40.19	3	Horizontal	150	1.10	-	28.49	3.05	-
AV	2.39G	50.07	54.00	-3.93	18.51	3	Horizontal	150	1.10	-	28.50	3.06	-
PK	2.4116G	115.00	Inf	-Inf	83.54	3	Horizontal	150	1.10	-	28.40	3.06	-
AV	2.4126G	105.27	Inf	-Inf	73.80	3	Horizontal	150	1.10	-	28.40	3.07	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2412MHz_TX

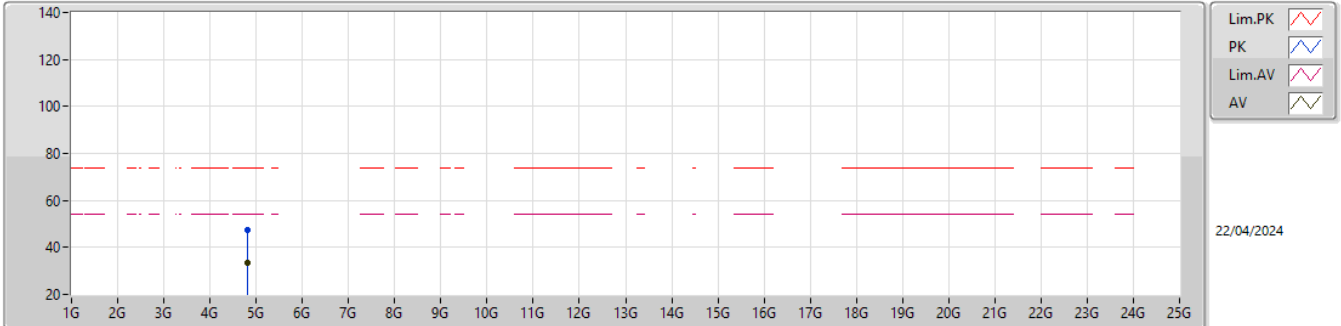


EUT_Y_3TX
Setting 108
02-C-A-4

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	4.82244G	48.86	74.00	-25.14	41.30	3	Vertical	276	1.99	-	33.14	5.10	30.68
AV	4.8225G	35.67	54.00	-18.33	28.10	3	Vertical	276	1.99	-	33.15	5.10	30.68

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2412MHz_TX

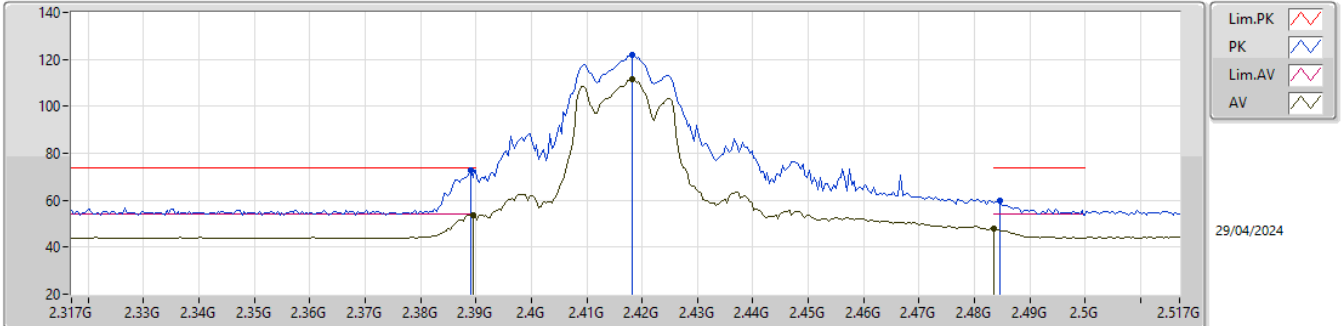


EUT_Y_3TX
Setting 108
02-C-A-4

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	4.82344G	47.21	74.00	-26.79	39.64	3	Horizontal	154	1.97	-	33.15	5.10	30.68
AV	4.82332G	33.63	54.00	-20.37	26.06	3	Horizontal	154	1.97	-	33.15	5.10	30.68

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2417MHz_TX

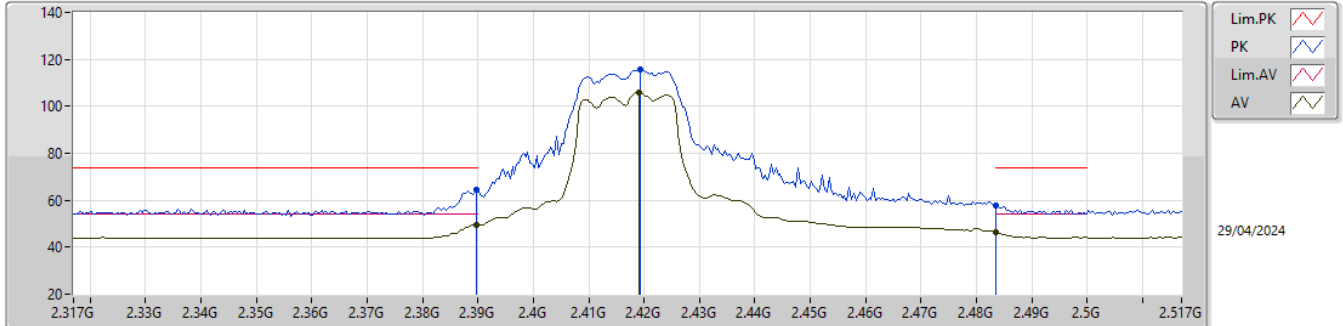


EUT_Y_3TX
Setting 88
02-C-A-4

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	2.389G	72.99	74.00	-1.01	41.45	3	Vertical	155	2.06	-	28.49	3.05	-
AV	2.3894G	53.72	54.00	-0.28	22.18	3	Vertical	155	2.06	-	28.49	3.05	-
PK	2.4182G	121.76	Inf	-Inf	90.29	3	Vertical	155	2.06	-	28.40	3.07	-
AV	2.4182G	111.73	Inf	-Inf	80.26	3	Vertical	155	2.06	-	28.40	3.07	-
PK	2.4846G	59.79	74.00	-14.21	28.10	3	Vertical	155	2.06	-	28.60	3.09	-
AV	2.4835G	47.83	54.00	-6.17	16.14	3	Vertical	155	2.06	-	28.60	3.09	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2417MHz_TX

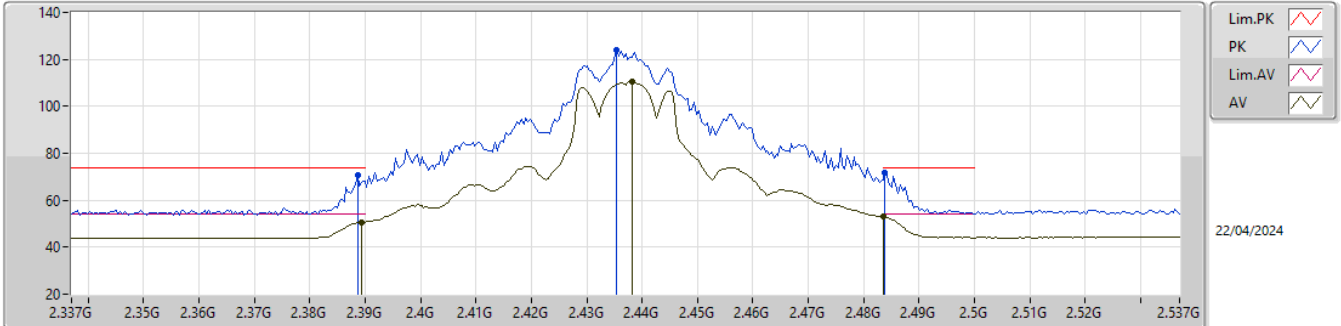


EUT_Y_3TX
Setting 88
02-C-A-4

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	2.3898G	64.29	74.00	-9.71	32.74	3	Horizontal	18	1.80	-	28.50	3.05	-
AV	2.3898G	49.62	54.00	-4.38	18.07	3	Horizontal	18	1.80	-	28.50	3.05	-
PK	2.4194G	115.86	Inf	-Inf	84.39	3	Horizontal	18	1.80	-	28.40	3.07	-
AV	2.419G	105.83	Inf	-Inf	74.36	3	Horizontal	18	1.80	-	28.40	3.07	-
PK	2.4835G	57.70	74.00	-16.30	26.01	3	Horizontal	18	1.80	-	28.60	3.09	-
AV	2.4835G	46.44	54.00	-7.56	14.75	3	Horizontal	18	1.80	-	28.60	3.09	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2437MHz_TX

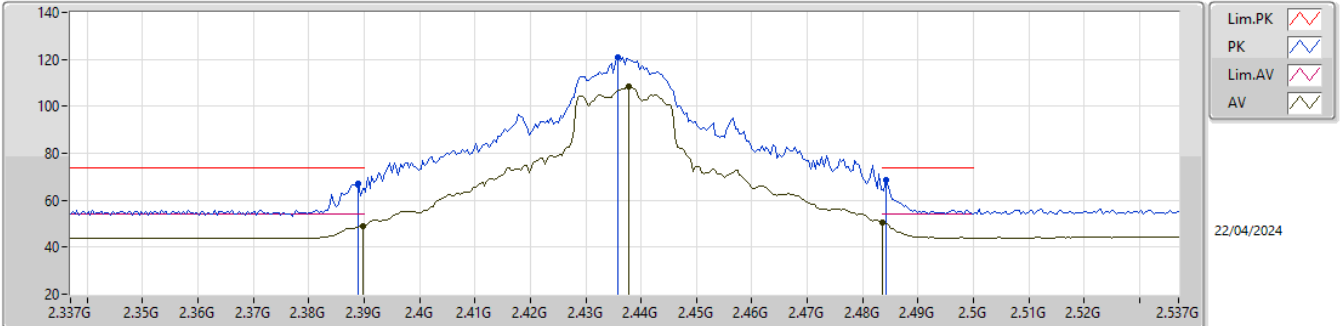


EUT_Y_3TX
 Setting 102
 02-C-V-1

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	2.3886G	70.66	74.00	-3.34	39.12	3	Vertical	149	1.76	-	28.49	3.05	-
AV	2.3894G	50.67	54.00	-3.33	19.13	3	Vertical	149	1.76	-	28.49	3.05	-
PK	2.4354G	124.01	Inf	-Inf	92.44	3	Vertical	149	1.76	-	28.50	3.07	-
AV	2.4382G	110.45	Inf	-Inf	78.87	3	Vertical	149	1.76	-	28.50	3.08	-
PK	2.4838G	71.96	74.00	-2.04	40.27	3	Vertical	149	1.76	-	28.60	3.09	-
AV	2.4835G	52.96	54.00	-1.04	21.27	3	Vertical	149	1.76	-	28.60	3.09	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2437MHz_TX

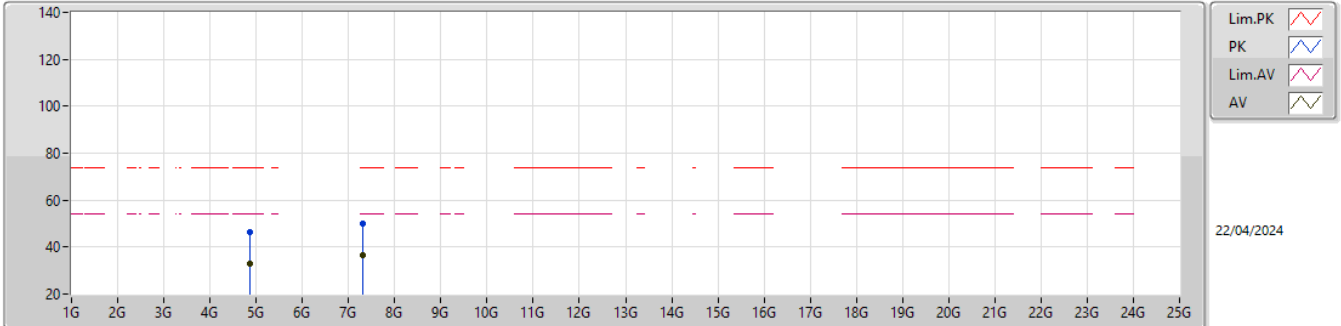


EUT_Y_3TX
Setting 102
02-C-V-1

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	2.389G	66.84	74.00	-7.16	35.30	3	Horizontal	149	1.09	-	28.49	3.05	-
AV	2.3898G	48.88	54.00	-5.12	17.33	3	Horizontal	149	1.09	-	28.50	3.05	-
PK	2.4358G	120.73	Inf	-Inf	89.16	3	Horizontal	149	1.09	-	28.50	3.07	-
AV	2.4378G	108.54	Inf	-Inf	76.96	3	Horizontal	149	1.09	-	28.50	3.08	-
PK	2.4842G	68.65	74.00	-5.35	36.96	3	Horizontal	149	1.09	-	28.60	3.09	-
AV	2.4835G	50.47	54.00	-3.53	18.78	3	Horizontal	149	1.09	-	28.60	3.09	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2437MHz_TX

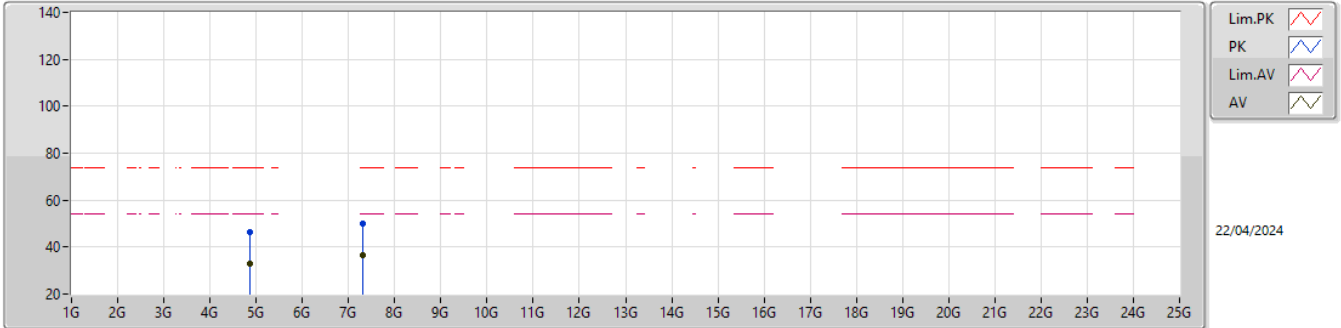


EUT_Y_3TX
Setting 108
02-C-A-4

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	4.87552G	46.45	74.00	-27.55	38.73	3	Vertical	266	2.00	-	33.25	5.11	30.64
AV	4.8716G	33.05	54.00	-20.95	25.34	3	Vertical	266	2.00	-	33.24	5.11	30.64
PK	7.31528G	49.91	74.00	-24.09	39.06	3	Vertical	135	1.37	-	36.46	6.51	32.12
AV	7.31456G	36.63	54.00	-17.37	25.78	3	Vertical	135	1.37	-	36.46	6.51	32.12

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2437MHz_TX

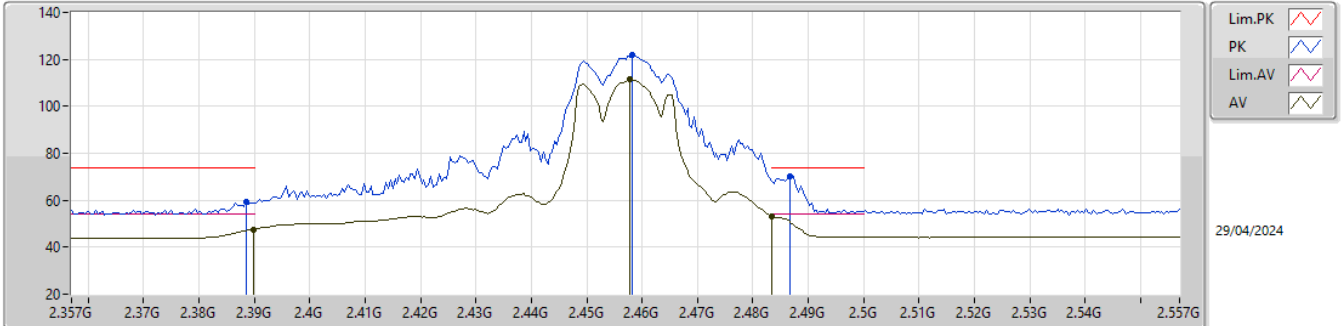


EUT_Y_3TX
Setting 108
02-C-A-4

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	4.87652G	46.49	74.00	-27.51	38.77	3	Horizontal	360	1.08	-	33.25	5.11	30.64
AV	4.87444G	33.08	54.00	-20.92	25.36	3	Horizontal	360	1.08	-	33.25	5.11	30.64
PK	7.31112G	50.18	74.00	-23.82	39.34	3	Horizontal	64	1.80	-	36.44	6.51	32.11
AV	7.32096G	36.70	54.00	-17.30	25.82	3	Horizontal	64	1.80	-	36.48	6.52	32.12

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2457MHz_TX

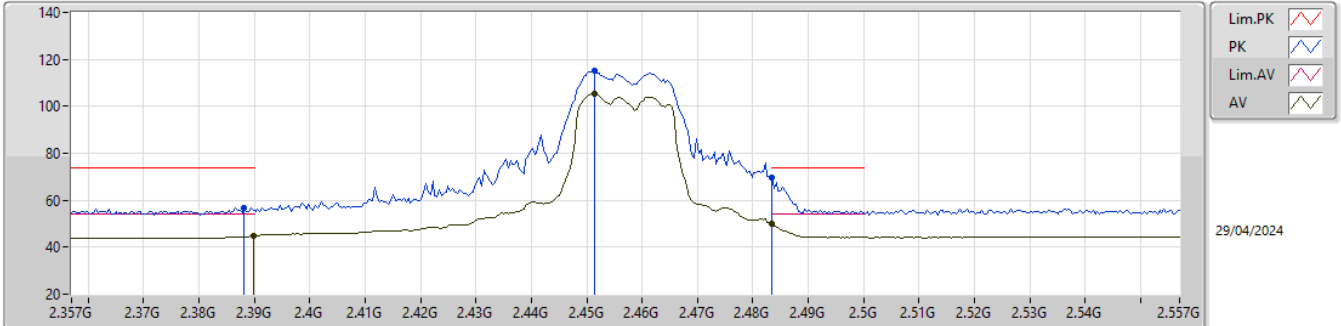


EUT_Y_3TX
Setting 86
02-C-A-4

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	2.3886G	59.14	74.00	-14.86	27.60	3	Vertical	206	1.80	-	28.49	3.05	-
AV	2.3898G	47.53	54.00	-6.47	15.98	3	Vertical	206	1.80	-	28.50	3.05	-
PK	2.4582G	121.84	Inf	-Inf	90.34	3	Vertical	206	1.80	-	28.42	3.08	-
AV	2.4578G	111.41	Inf	-Inf	79.91	3	Vertical	206	1.80	-	28.42	3.08	-
PK	2.4866G	70.37	74.00	-3.63	38.68	3	Vertical	206	1.80	-	28.60	3.09	-
AV	2.4835G	52.96	54.00	-1.04	21.27	3	Vertical	206	1.80	-	28.60	3.09	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2457MHz_TX

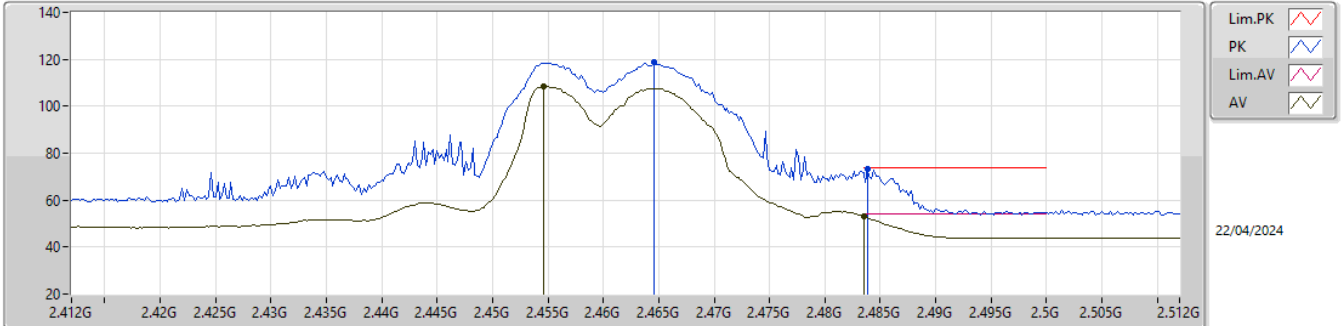


EUT_Y_3TX
Setting 86
02-C-A-4

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	2.3882G	56.71	74.00	-17.29	25.18	3	Horizontal	-0	1.80	-	28.48	3.05	-
AV	2.3898G	44.83	54.00	-9.17	13.28	3	Horizontal	-0	1.80	-	28.50	3.05	-
PK	2.4514G	114.96	Inf	-Inf	83.39	3	Horizontal	-0	1.80	-	28.49	3.08	-
AV	2.4514G	105.34	Inf	-Inf	73.77	3	Horizontal	-0	1.80	-	28.49	3.08	-
PK	2.4835G	69.72	74.00	-4.28	38.03	3	Horizontal	-0	1.80	-	28.60	3.09	-
AV	2.4835G	50.21	54.00	-3.79	18.52	3	Horizontal	-0	1.80	-	28.60	3.09	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2462MHz_TX

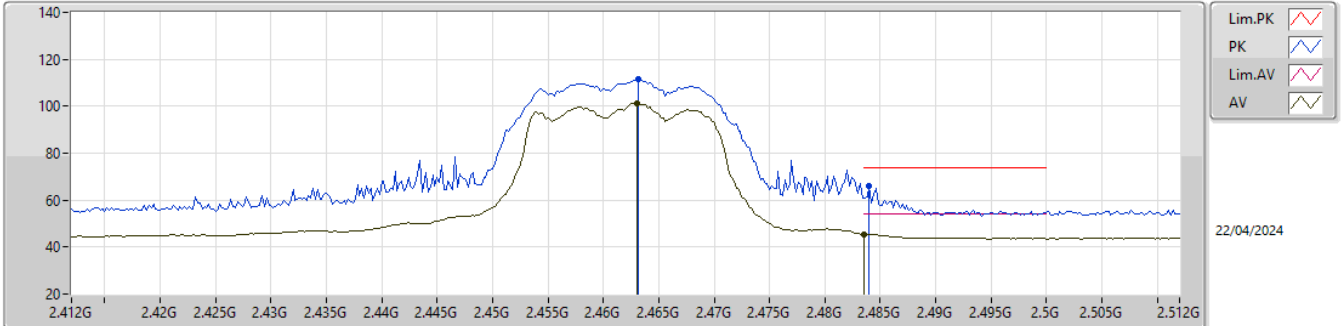


EUT_Y_3TX
Setting 80
02-C-V-1

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	2.4646G	118.87	Inf	-Inf	87.33	3	Vertical	194	1.78	-	28.45	3.09	-
AV	2.4546G	108.34	Inf	-Inf	76.81	3	Vertical	194	1.78	-	28.45	3.08	-
PK	2.4838G	73.34	74.00	-0.66	41.65	3	Vertical	194	1.78	-	28.60	3.09	-
AV	2.4835G	53.09	54.00	-0.91	21.40	3	Vertical	194	1.78	-	28.60	3.09	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2462MHz_TX

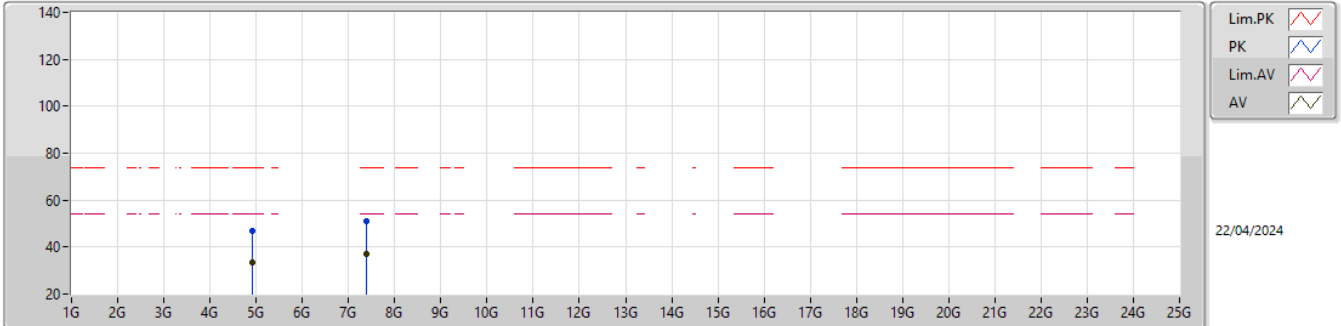


EUT_Y_3TX
Setting 80
02-C-V-1

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	2.4632G	111.45	Inf	-Inf	79.93	3	Horizontal	155	2.44	-	28.43	3.09	-
AV	2.463G	101.44	Inf	-Inf	69.92	3	Horizontal	155	2.44	-	28.43	3.09	-
PK	2.484G	66.25	74.00	-7.75	34.56	3	Horizontal	155	2.44	-	28.60	3.09	-
AV	2.4835G	45.52	54.00	-8.48	13.83	3	Horizontal	155	2.44	-	28.60	3.09	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2462MHz_TX

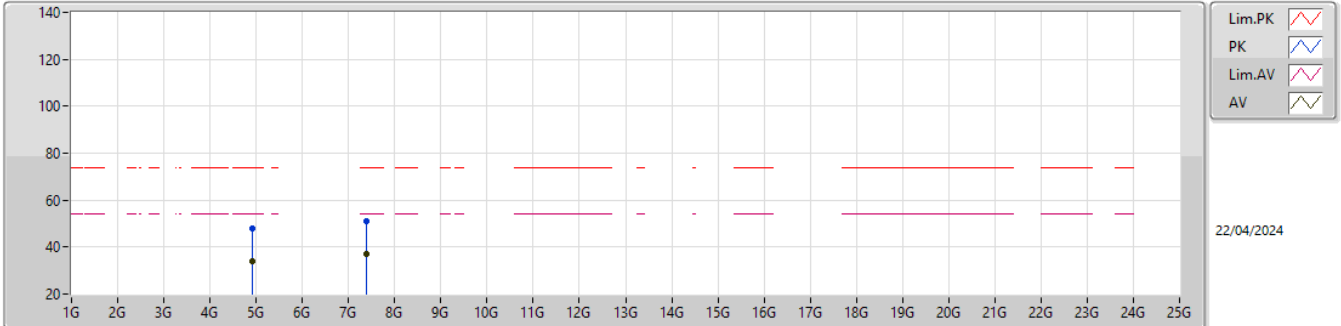


EUT_Y_3TX
Setting 108
02-C-A-4

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	4.92272G	46.68	74.00	-27.32	38.81	3	Vertical	55	1.89	-	33.35	5.13	30.61
AV	4.92276G	33.49	54.00	-20.51	25.62	3	Vertical	55	1.89	-	33.35	5.13	30.61
PK	7.39248G	51.11	74.00	-22.89	40.11	3	Vertical	12	1.83	-	36.60	6.56	32.16
AV	7.39428G	37.16	54.00	-16.84	26.16	3	Vertical	12	1.83	-	36.60	6.56	32.16

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2462MHz_TX

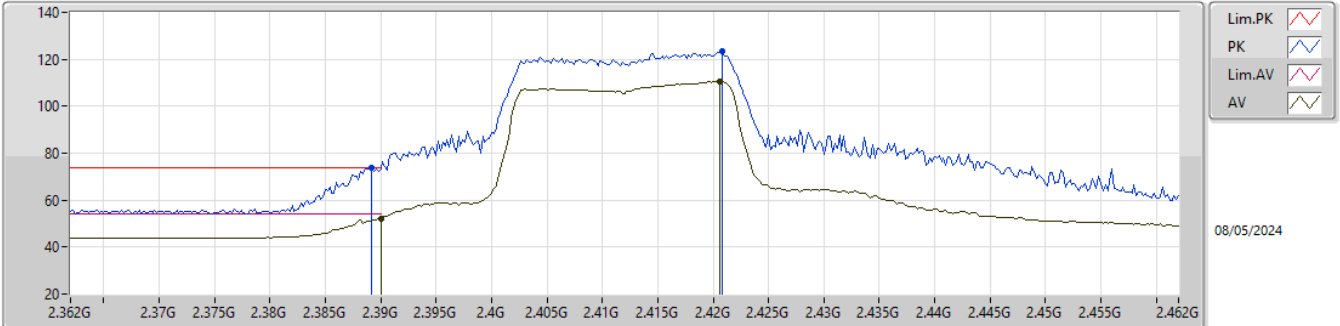


EUT_Y_3TX
Setting 108
02-C-A-4

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	4.9228G	47.72	74.00	-26.28	39.85	3	Horizontal	360	1.80	-	33.35	5.13	30.61
AV	4.92716G	33.72	54.00	-20.28	25.85	3	Horizontal	360	1.80	-	33.35	5.13	30.61
PK	7.3776G	51.05	74.00	-22.95	40.05	3	Horizontal	104	1.22	-	36.60	6.55	32.15
AV	7.39188G	37.25	54.00	-16.75	26.25	3	Horizontal	104	1.22	-	36.60	6.56	32.16

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_3TX

2412MHz_TX

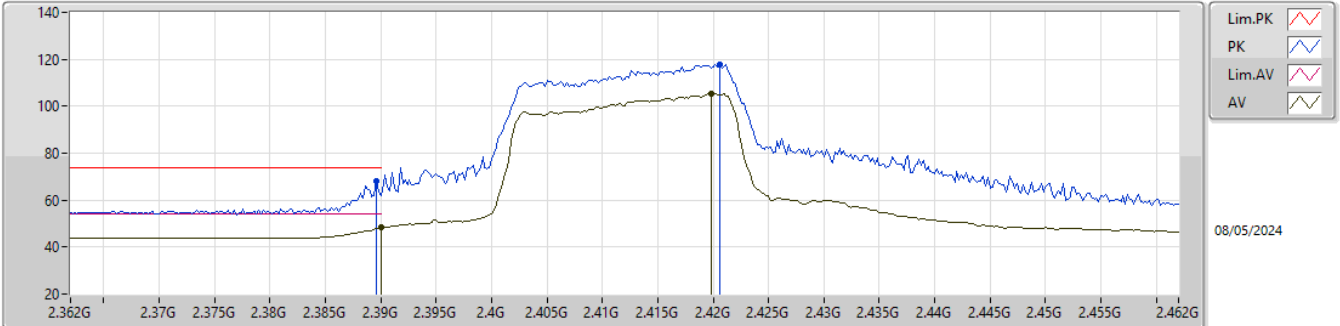


EUT_Y_3TX
Setting 80
02-C-V-1

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	2.3892G	73.96	74.00	-0.04	42.42	3	Vertical	221	2.15	-	28.49	3.05	-
AV	2.39G	52.24	54.00	-1.76	20.68	3	Vertical	221	2.15	-	28.50	3.06	-
PK	2.4208G	123.39	Inf	-Inf	91.91	3	Vertical	221	2.15	-	28.41	3.07	-
AV	2.4206G	110.58	Inf	-Inf	79.10	3	Vertical	221	2.15	-	28.41	3.07	-

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_3TX

2412MHz_TX

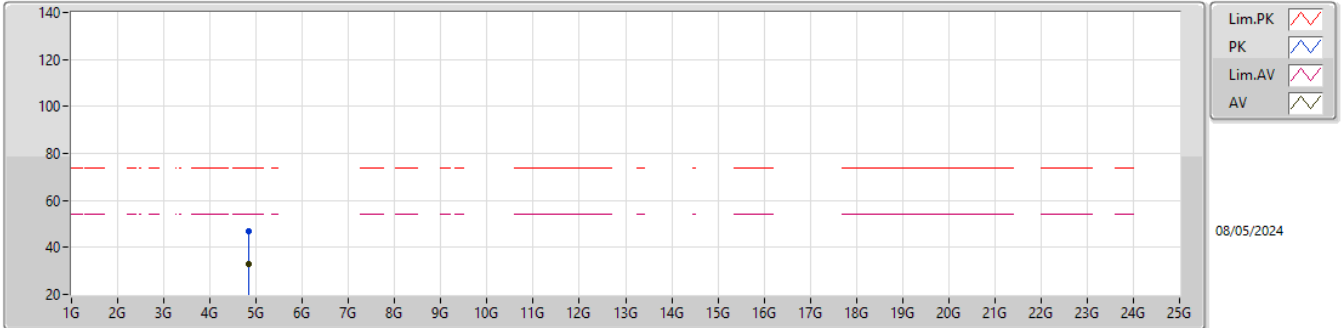


EUT_Y_3TX
Setting 80
02-C-V-1

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	2.3896G	68.11	74.00	-5.89	36.56	3	Horizontal	149	1.77	-	28.50	3.05	-
AV	2.39G	48.27	54.00	-5.73	16.71	3	Horizontal	149	1.77	-	28.50	3.06	-
PK	2.4206G	117.87	Inf	-Inf	86.39	3	Horizontal	149	1.77	-	28.41	3.07	-
AV	2.4198G	105.26	Inf	-Inf	73.79	3	Horizontal	149	1.77	-	28.40	3.07	-

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_3TX

2412MHz_TX

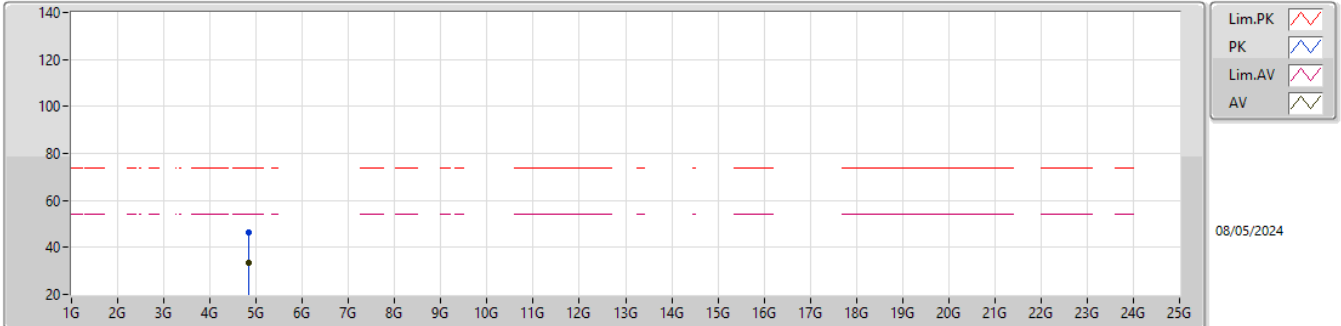


EUT_Y_3TX
Setting 108
02-C-A-4

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	4.8351G	46.72	74.00	-27.28	39.12	3	Vertical	357	2.64	-	33.17	5.10	30.67
AV	4.8345G	33.17	54.00	-20.83	25.57	3	Vertical	357	2.64	-	33.17	5.10	30.67

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_3TX

2412MHz_TX

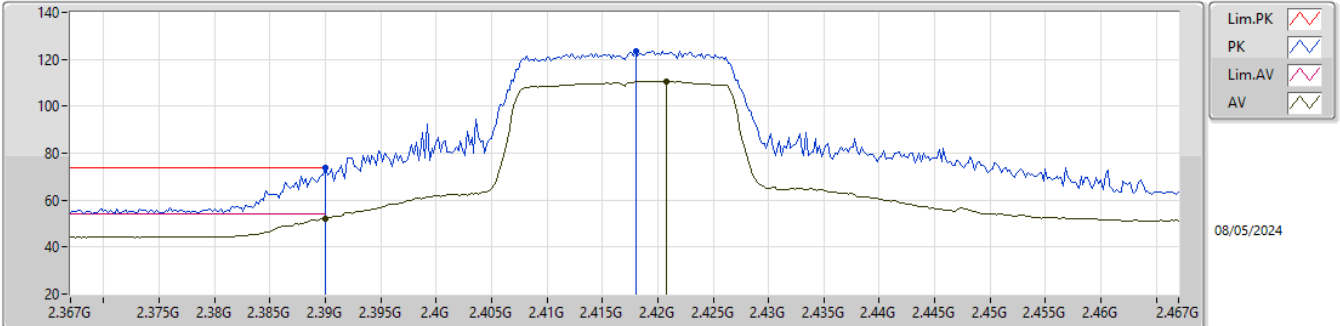


EUT_Y_3TX
 Setting 108
 02-C-A-4

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	4.82652G	46.50	74.00	-27.50	38.92	3	Horizontal	320	1.28	-	33.15	5.10	30.67
AV	4.83264G	33.23	54.00	-20.77	25.63	3	Horizontal	320	1.28	-	33.17	5.10	30.67

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_3TX

2417MHz_TX

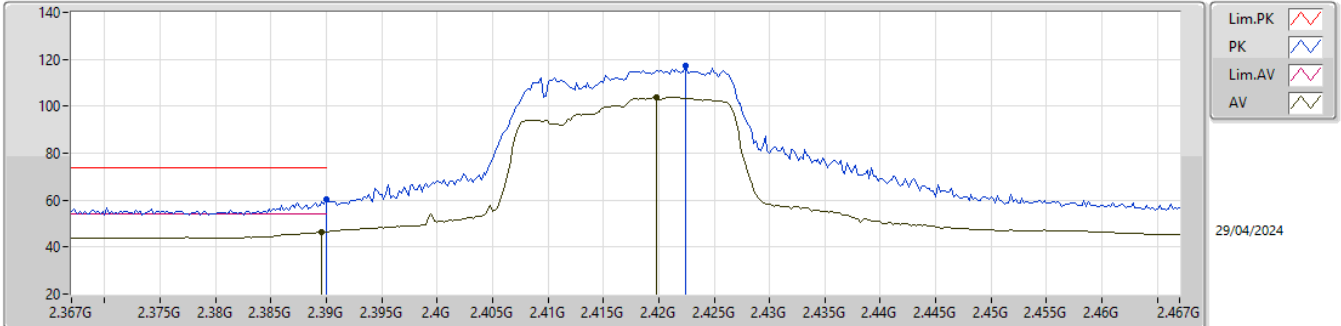


EUT_Y_3TX
Setting 80
02-C-A-4

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	2.39G	73.83	74.00	-0.17	42.27	3	Vertical	208	2.09	-	28.50	3.06	-
AV	2.39G	52.19	54.00	-1.81	20.63	3	Vertical	208	2.09	-	28.50	3.06	-
PK	2.418G	123.55	Inf	-Inf	92.08	3	Vertical	208	2.09	-	28.40	3.07	-
AV	2.4208G	110.75	Inf	-Inf	79.27	3	Vertical	208	2.09	-	28.41	3.07	-

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_3TX

2417MHz_TX

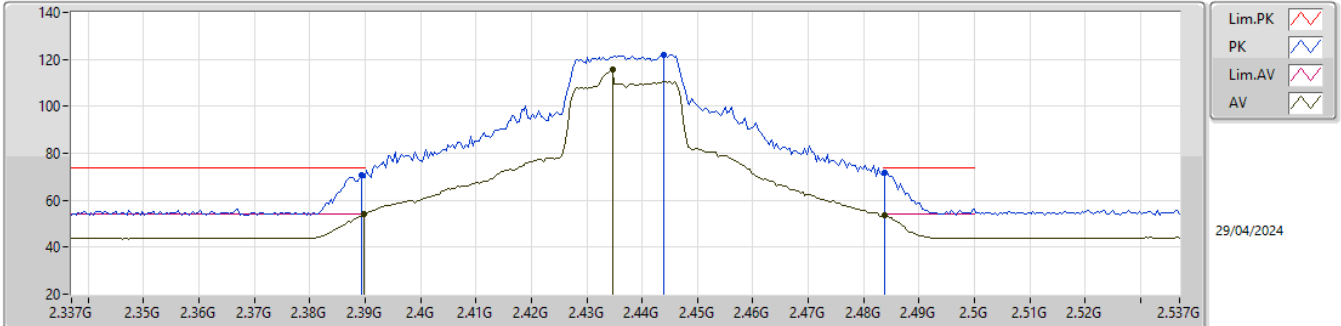


EUT_Y_3TX
Setting 80
02-C-A-4

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	2.39G	60.28	74.00	-13.72	28.72	3	Horizontal	151	2.21	-	28.50	3.06	-
AV	2.3896G	46.39	54.00	-7.61	14.84	3	Horizontal	151	2.21	-	28.50	3.05	-
PK	2.4224G	117.35	Inf	-Inf	85.86	3	Horizontal	151	2.21	-	28.42	3.07	-
AV	2.4198G	103.82	Inf	-Inf	72.35	3	Horizontal	151	2.21	-	28.40	3.07	-

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_3TX

2437MHz_TX

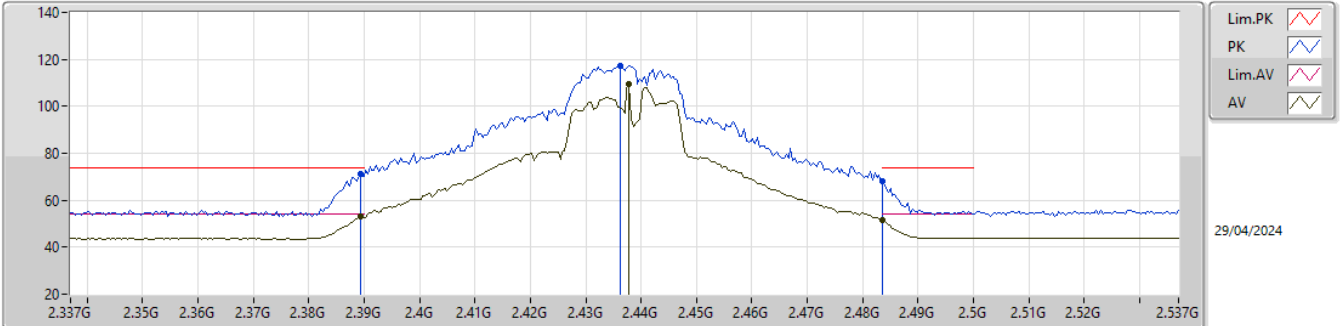


EUT_Y_3TX
Setting 99
02-C-V-1

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	2.3894G	70.65	74.00	-3.35	39.11	3	Vertical	146	1.81	-	28.49	3.05	-
AV	2.3898G	53.92	54.00	-0.08	22.37	3	Vertical	146	1.81	-	28.50	3.05	-
PK	2.4438G	121.88	Inf	-Inf	90.30	3	Vertical	146	1.81	-	28.50	3.08	-
AV	2.4346G	115.94	Inf	-Inf	84.37	3	Vertical	146	1.81	-	28.50	3.07	-
PK	2.4838G	71.97	74.00	-2.03	40.28	3	Vertical	146	1.81	-	28.60	3.09	-
AV	2.4838G	53.59	54.00	-0.41	21.90	3	Vertical	146	1.81	-	28.60	3.09	-

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_3TX

2437MHz_TX

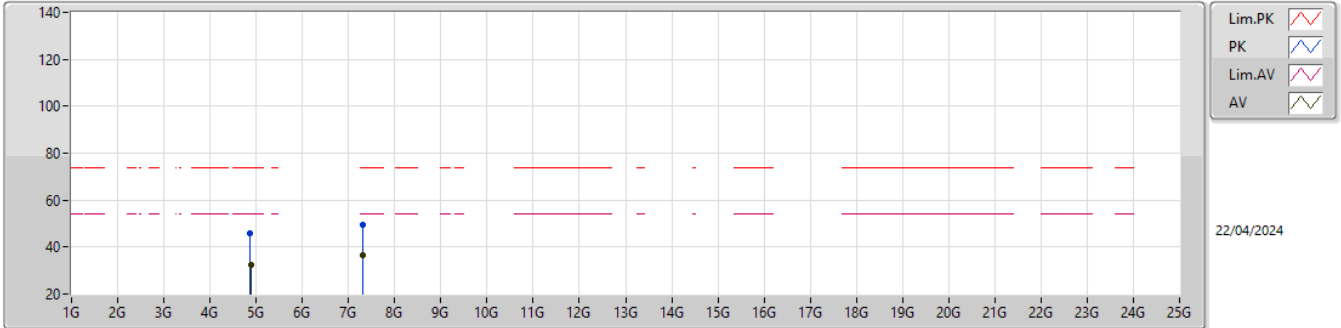


EUT_Y_3TX
Setting 99
02-C-V-1

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	2.3894G	71.37	74.00	-2.63	39.83	3	Horizontal	360	1.20	-	28.49	3.05	-
AV	2.3894G	53.08	54.00	-0.92	21.54	3	Horizontal	360	1.20	-	28.49	3.05	-
PK	2.4362G	117.08	Inf	-Inf	85.51	3	Horizontal	360	1.20	-	28.50	3.07	-
AV	2.4378G	109.51	Inf	-Inf	77.93	3	Horizontal	360	1.20	-	28.50	3.08	-
PK	2.4835G	68.14	74.00	-5.86	36.45	3	Horizontal	360	1.20	-	28.60	3.09	-
AV	2.4835G	51.75	54.00	-2.25	20.06	3	Horizontal	360	1.20	-	28.60	3.09	-

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_3TX

2437MHz_TX

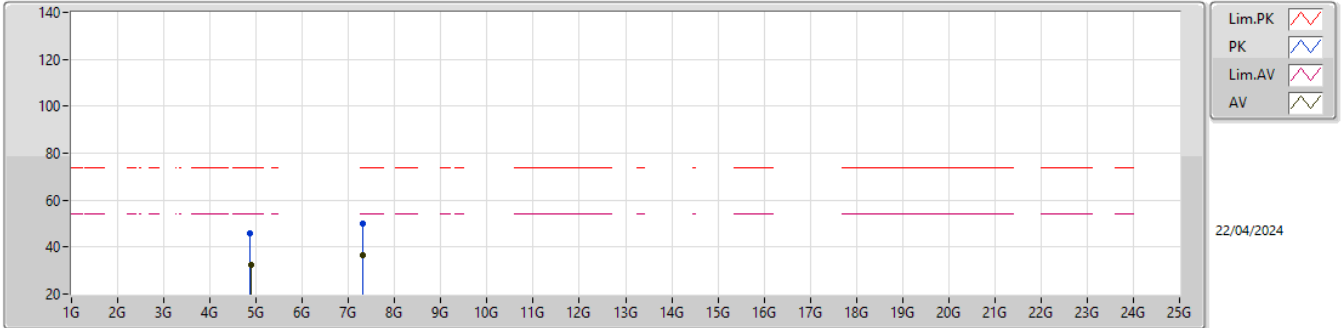


EUT_Y_3TX
 Setting 108
 02-C-A-4

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	4.87676G	45.61	74.00	-28.39	37.89	3	Vertical	64	1.39	-	33.25	5.11	30.64
AV	4.88392G	32.42	54.00	-21.58	24.67	3	Vertical	64	1.39	-	33.27	5.12	30.64
PK	7.31348G	49.72	74.00	-24.28	38.88	3	Vertical	316	2.27	-	36.45	6.51	32.12
AV	7.31708G	36.47	54.00	-17.53	25.61	3	Vertical	316	2.27	-	36.47	6.51	32.12

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_3TX

2437MHz_TX

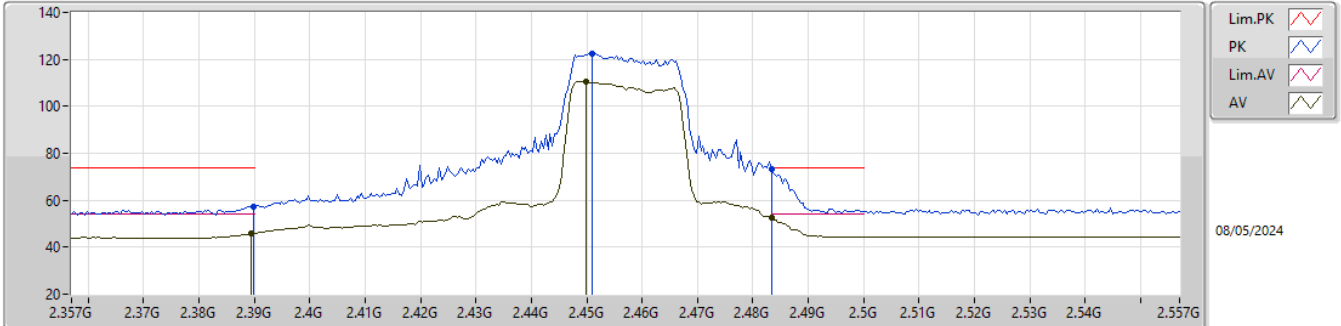


EUT_Y_3TX
Setting 108
02-C-A-4

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	4.87576G	46.01	74.00	-27.99	38.29	3	Horizontal	344	2.77	-	33.25	5.11	30.64
AV	4.884G	32.44	54.00	-21.56	24.69	3	Horizontal	344	2.77	-	33.27	5.12	30.64
PK	7.32032G	49.83	74.00	-24.17	38.95	3	Horizontal	207	2.91	-	36.48	6.52	32.12
AV	7.32G	36.48	54.00	-17.52	25.60	3	Horizontal	207	2.91	-	36.48	6.52	32.12

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_3TX

2457MHz_TX

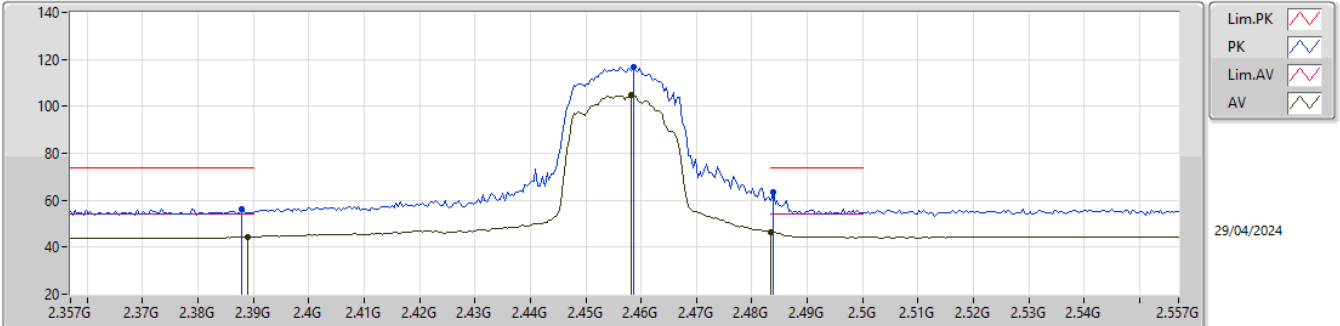


EUT_Y_3TX
Setting 80
02-C-A-4

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	2.3898G	57.29	74.00	-16.71	25.74	3	Vertical	236	1.80	-	28.50	3.05	-
AV	2.3894G	45.88	54.00	-8.12	14.34	3	Vertical	236	1.80	-	28.49	3.05	-
PK	2.451G	122.44	Inf	-Inf	90.87	3	Vertical	236	1.80	-	28.49	3.08	-
AV	2.4498G	110.38	Inf	-Inf	78.80	3	Vertical	236	1.80	-	28.50	3.08	-
PK	2.4835G	73.26	74.00	-0.74	41.57	3	Vertical	236	1.80	-	28.60	3.09	-
AV	2.4835G	52.34	54.00	-1.66	20.65	3	Vertical	236	1.80	-	28.60	3.09	-

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_3TX

2457MHz_TX

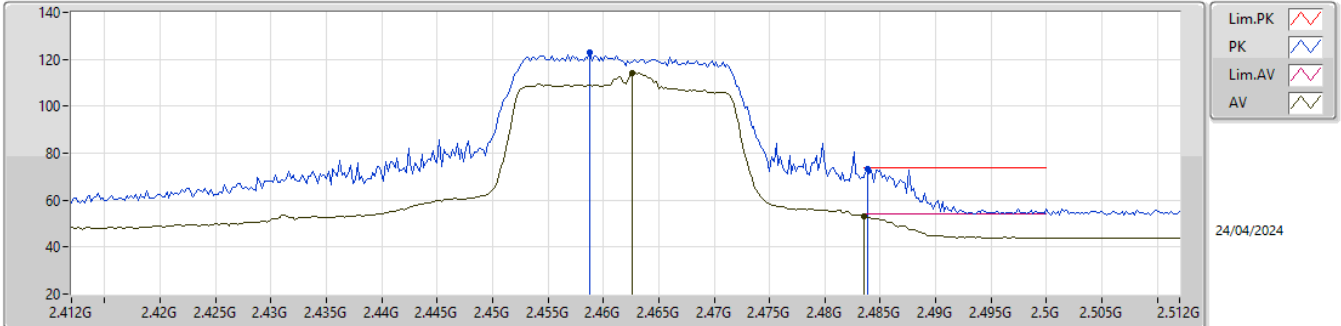


EUT_Y_3TX
Setting 80
02-C-A-4

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	2.3878G	56.04	74.00	-17.96	24.51	3	Horizontal	177	1.98	-	28.48	3.05	-
AV	2.389G	44.29	54.00	-9.71	12.75	3	Horizontal	177	1.98	-	28.49	3.05	-
PK	2.4586G	116.78	Inf	-Inf	85.29	3	Horizontal	177	1.98	-	28.41	3.08	-
AV	2.4582G	104.61	Inf	-Inf	73.11	3	Horizontal	177	1.98	-	28.42	3.08	-
PK	2.4838G	63.22	74.00	-10.78	31.53	3	Horizontal	177	1.98	-	28.60	3.09	-
AV	2.4835G	46.50	54.00	-7.50	14.81	3	Horizontal	177	1.98	-	28.60	3.09	-

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_3TX

2462MHz_TX

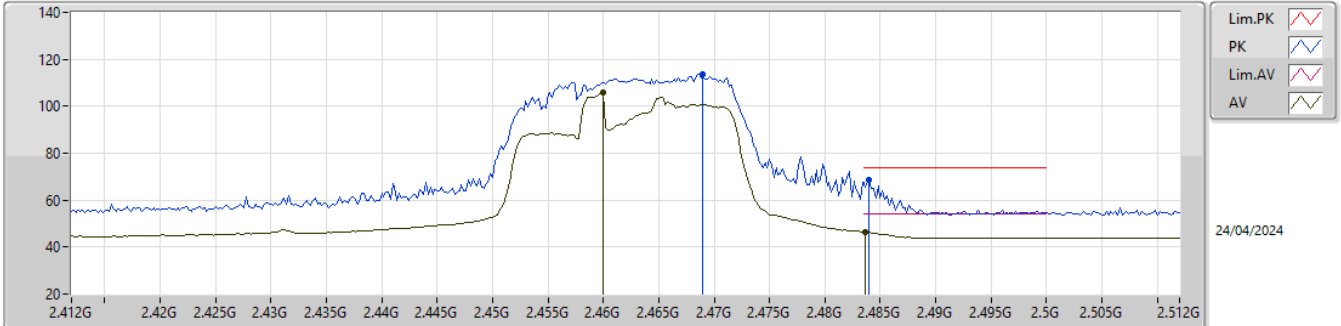


EUT_Y_3TX
Setting 78
02-C-V-1

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	2.4588G	122.73	Inf	-Inf	91.24	3	Vertical	213	1.68	-	28.41	3.08	-
AV	2.4626G	114.22	Inf	-Inf	82.70	3	Vertical	213	1.68	-	28.43	3.09	-
PK	2.4838G	73.32	74.00	-0.68	41.63	3	Vertical	213	1.68	-	28.60	3.09	-
AV	2.4835G	53.20	54.00	-0.80	21.51	3	Vertical	213	1.68	-	28.60	3.09	-

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_3TX

2462MHz_TX

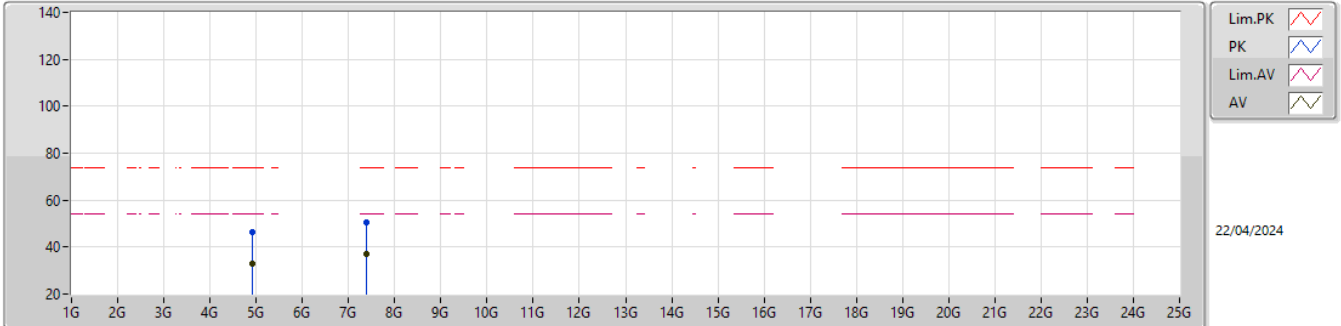


EUT_Y_3TX
Setting 78
02-C-V-1

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	2.469G	113.74	Inf	-Inf	82.16	3	Horizontal	357	1.58	-	28.49	3.09	-
AV	2.46G	105.73	Inf	-Inf	74.25	3	Horizontal	357	1.58	-	28.40	3.08	-
PK	2.484G	68.38	74.00	-5.62	36.69	3	Horizontal	357	1.58	-	28.60	3.09	-
AV	2.4836G	46.45	54.00	-7.55	14.76	3	Horizontal	357	1.58	-	28.60	3.09	-

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_3TX

2462MHz_TX

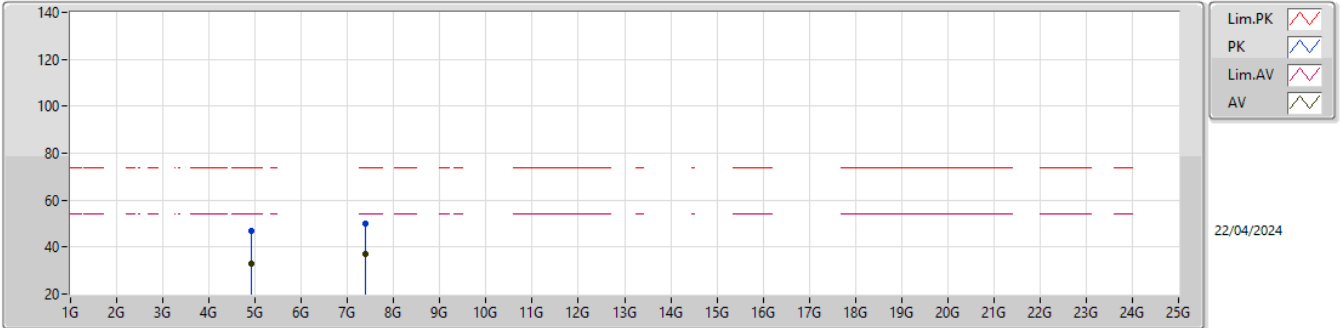


EUT_Y_3TX
Setting 108
02-C-A-4

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	4.91792G	46.44	74.00	-27.56	38.58	3	Vertical	97	1.98	-	33.34	5.13	30.61
AV	4.924G	32.91	54.00	-21.09	25.04	3	Vertical	97	1.98	-	33.35	5.13	30.61
PK	7.38808G	50.51	74.00	-23.49	39.52	3	Vertical	116	2.14	-	36.60	6.55	32.16
AV	7.39108G	37.14	54.00	-16.86	26.14	3	Vertical	116	2.14	-	36.60	6.56	32.16

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_3TX

2462MHz_TX

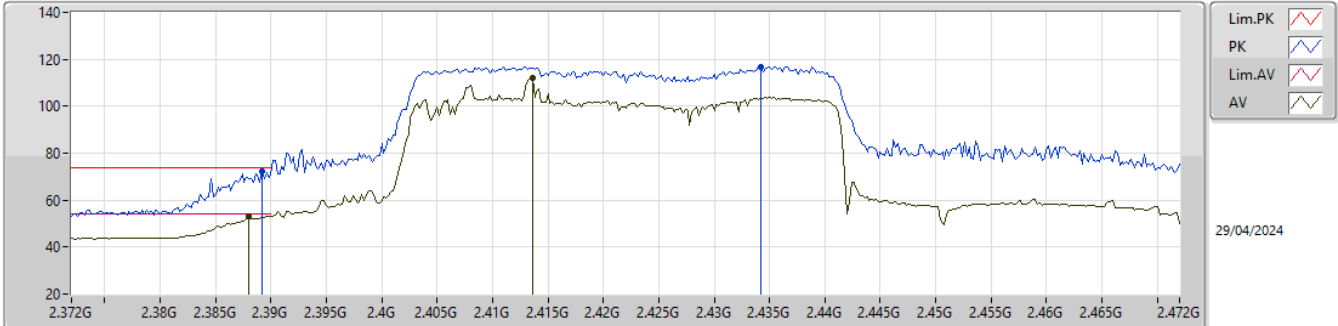


EUT_Y_3TX
Setting 108
02-C-A-4

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	4.91752G	46.74	74.00	-27.26	38.88	3	Horizontal	243	2.98	-	33.34	5.13	30.61
AV	4.92292G	32.89	54.00	-21.11	25.02	3	Horizontal	243	2.98	-	33.35	5.13	30.61
PK	7.39416G	50.11	74.00	-23.89	39.11	3	Horizontal	319	1.64	-	36.60	6.56	32.16
AV	7.39484G	37.11	54.00	-16.89	26.11	3	Horizontal	319	1.64	-	36.60	6.56	32.16

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_3TX

2422MHz_TX

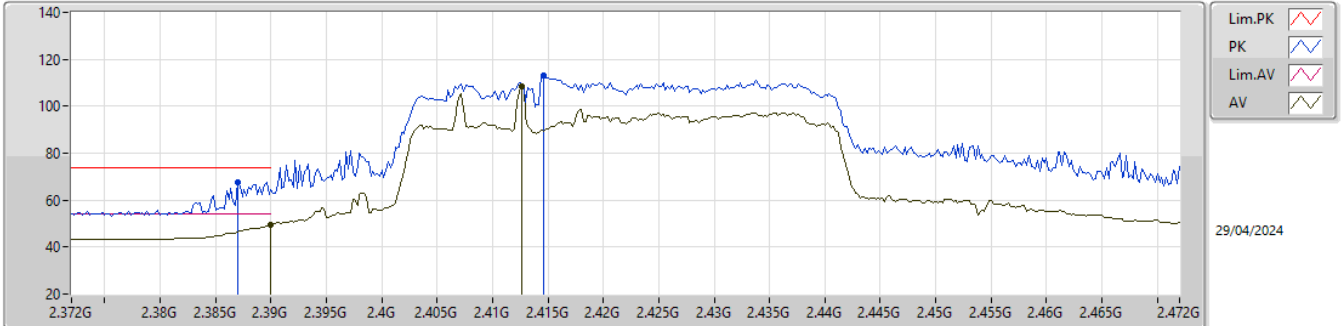


EUT_Y_3TX
Setting 84
02-C-V-1

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	2.3892G	72.04	74.00	-1.96	40.50	3	Vertical	204	1.72	-	28.49	3.05	-
AV	2.388G	53.20	54.00	-0.80	21.67	3	Vertical	204	1.72	-	28.48	3.05	-
PK	2.4342G	116.97	Inf	-Inf	85.40	3	Vertical	204	1.72	-	28.50	3.07	-
AV	2.4136G	112.20	Inf	-Inf	80.73	3	Vertical	204	1.72	-	28.40	3.07	-

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_3TX

2422MHz_TX

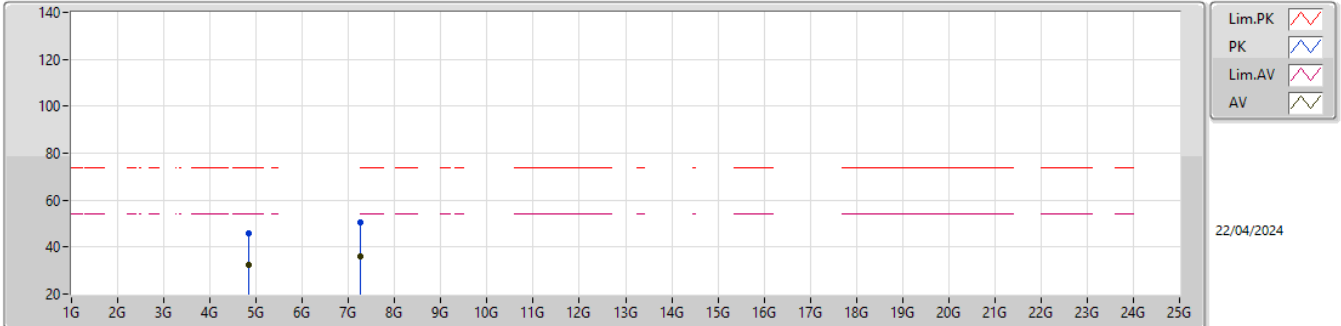


EUT_Y_3TX
Setting 84
02-C-V-1

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	2.387G	67.61	74.00	-6.39	36.09	3	Horizontal	-0	1.19	-	28.47	3.05	-
AV	2.39G	49.42	54.00	-4.58	17.86	3	Horizontal	-0	1.19	-	28.50	3.06	-
PK	2.4146G	113.04	Inf	-Inf	81.57	3	Horizontal	-0	1.19	-	28.40	3.07	-
AV	2.4126G	108.52	Inf	-Inf	77.05	3	Horizontal	-0	1.19	-	28.40	3.07	-

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_3TX

2422MHz_TX

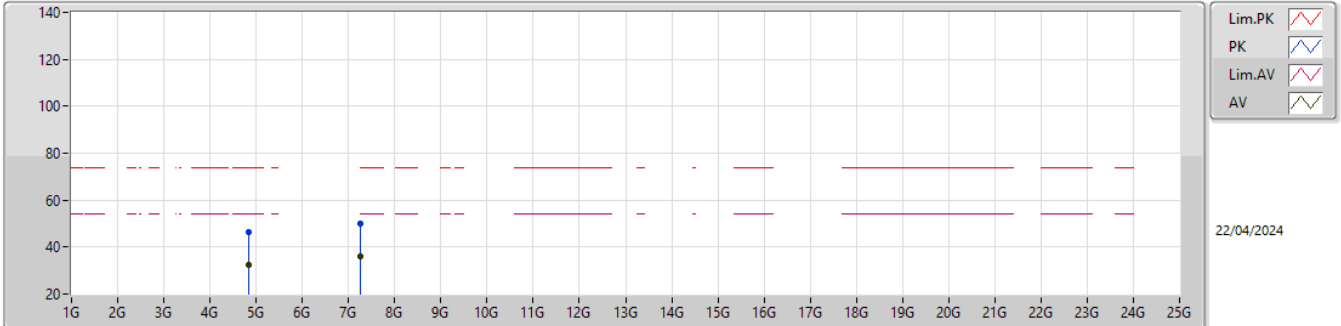


EUT_Y_3TX
Setting 108
02-C-A-4

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	4.84384G	45.78	74.00	-28.22	38.15	3	Vertical	191	2.46	-	33.19	5.10	30.66
AV	4.8436G	32.45	54.00	-21.55	24.82	3	Vertical	191	2.46	-	33.19	5.10	30.66
PK	7.25736G	50.49	74.00	-23.51	39.86	3	Vertical	348	2.26	-	36.23	6.48	32.08
AV	7.25604G	36.28	54.00	-17.72	25.66	3	Vertical	348	2.26	-	36.22	6.48	32.08

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_3TX

2422MHz_TX

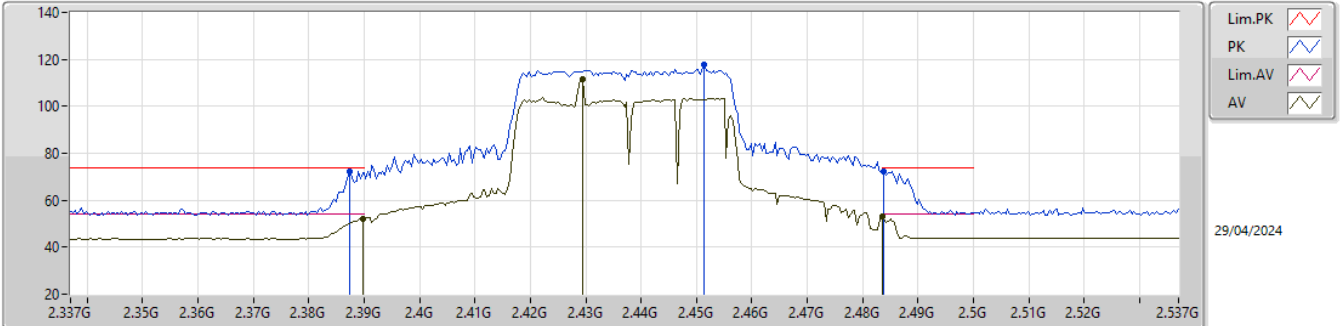


EUT_Y_3TX
Setting 108
02-C-A-4

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	4.84788G	46.27	74.00	-27.73	38.63	3	Horizontal	355	2.34	-	33.20	5.10	30.66
AV	4.83824G	32.43	54.00	-21.57	24.82	3	Horizontal	355	2.34	-	33.18	5.10	30.67
PK	7.25672G	50.25	74.00	-23.75	39.62	3	Horizontal	286	1.38	-	36.23	6.48	32.08
AV	7.25668G	36.29	54.00	-17.71	25.66	3	Horizontal	286	1.38	-	36.23	6.48	32.08

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_3TX

2437MHz_TX

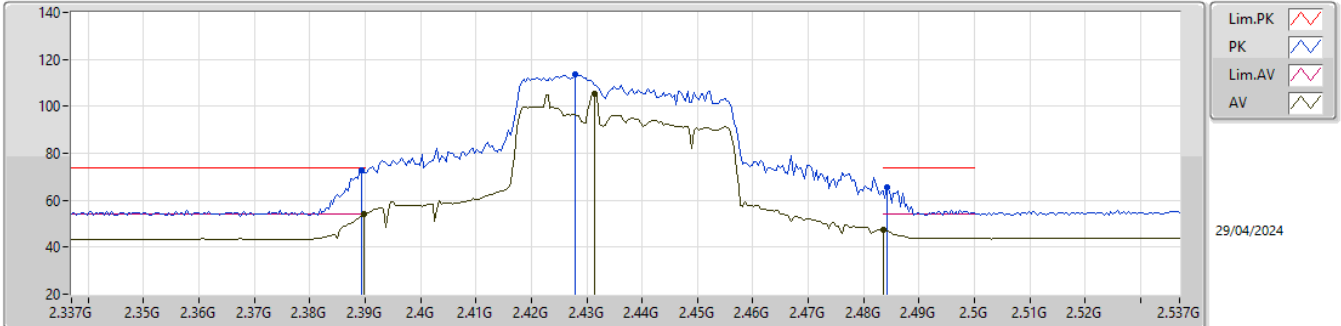


EUT_Y_3TX
Setting 86
02-C-V-1

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	2.3874G	72.27	74.00	-1.73	40.75	3	Vertical	148	1.80	-	28.47	3.05	-
AV	2.3898G	52.27	54.00	-1.73	20.72	3	Vertical	148	1.80	-	28.50	3.05	-
PK	2.4514G	117.97	Inf	-Inf	86.40	3	Vertical	148	1.80	-	28.49	3.08	-
AV	2.4294G	111.59	Inf	-Inf	80.03	3	Vertical	148	1.80	-	28.49	3.07	-
PK	2.4838G	72.27	74.00	-1.73	40.58	3	Vertical	148	1.80	-	28.60	3.09	-
AV	2.4835G	53.25	54.00	-0.75	21.56	3	Vertical	148	1.80	-	28.60	3.09	-

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_3TX

2437MHz_TX

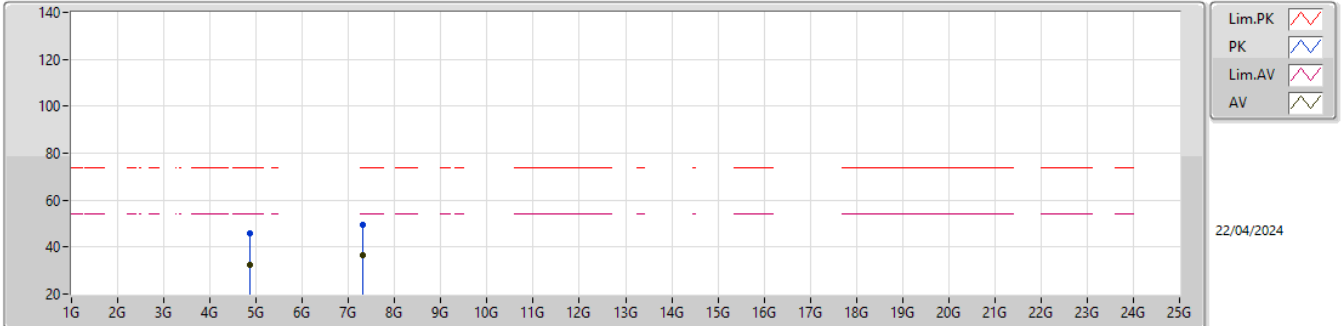


EUT_Y_3TX
Setting 86
02-C-V-1

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	2.3894G	72.55	74.00	-1.45	41.01	3	Horizontal	34	1.19	-	28.49	3.05	-
AV	2.3898G	53.88	54.00	-0.12	22.33	3	Horizontal	34	1.19	-	28.50	3.05	-
PK	2.4278G	113.41	Inf	-Inf	81.86	3	Horizontal	34	1.19	-	28.48	3.07	-
AV	2.4314G	105.55	Inf	-Inf	73.98	3	Horizontal	34	1.19	-	28.50	3.07	-
PK	2.4842G	65.36	74.00	-8.64	33.67	3	Horizontal	34	1.19	-	28.60	3.09	-
AV	2.4835G	47.36	54.00	-6.64	15.67	3	Horizontal	34	1.19	-	28.60	3.09	-

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_3TX

2437MHz_TX

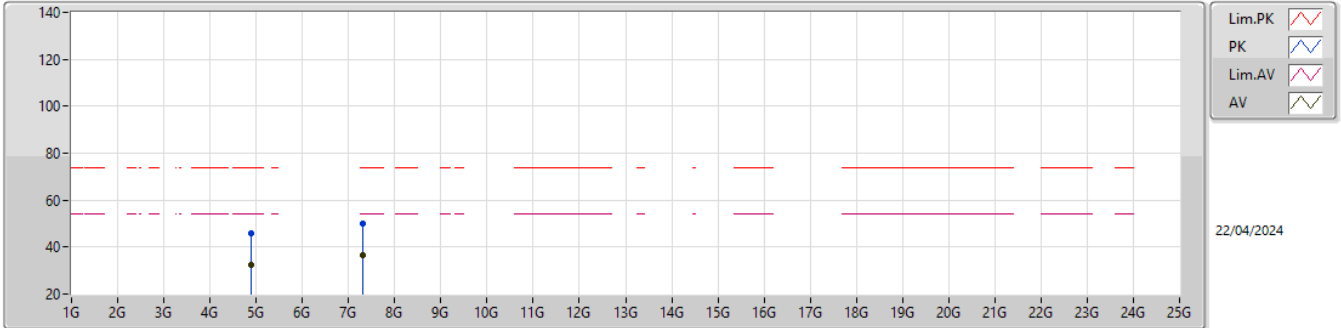


EUT_Y_3TX
Setting 108
02-C-A-4

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	4.87316G	46.07	74.00	-27.93	38.35	3	Vertical	347	1.32	-	33.25	5.11	30.64
AV	4.86452G	32.42	54.00	-21.58	24.73	3	Vertical	347	1.32	-	33.23	5.11	30.65
PK	7.31684G	49.62	74.00	-24.38	38.76	3	Vertical	262	2.65	-	36.47	6.51	32.12
AV	7.32048G	36.38	54.00	-17.62	25.50	3	Vertical	262	2.65	-	36.48	6.52	32.12

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_3TX

2437MHz_TX

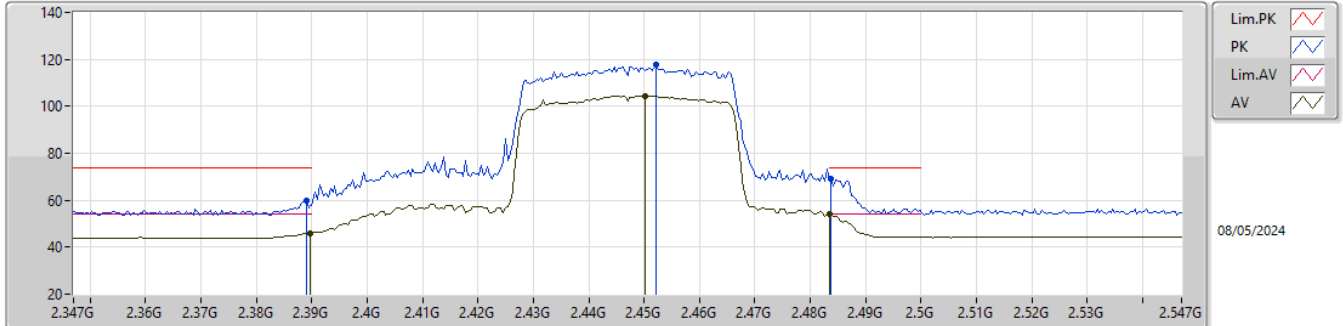


EUT_Y_3TX
 Setting 108
 02-C-A-4

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	4.88152G	45.89	74.00	-28.11	38.16	3	Horizontal	113	2.95	-	33.26	5.11	30.64
AV	4.884G	32.58	54.00	-21.42	24.83	3	Horizontal	113	2.95	-	33.27	5.12	30.64
PK	7.31732G	50.09	74.00	-23.91	39.23	3	Horizontal	210	1.05	-	36.47	6.51	32.12
AV	7.31016G	36.50	54.00	-17.50	25.66	3	Horizontal	210	1.05	-	36.44	6.51	32.11

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_3TX

2447MHz_TX

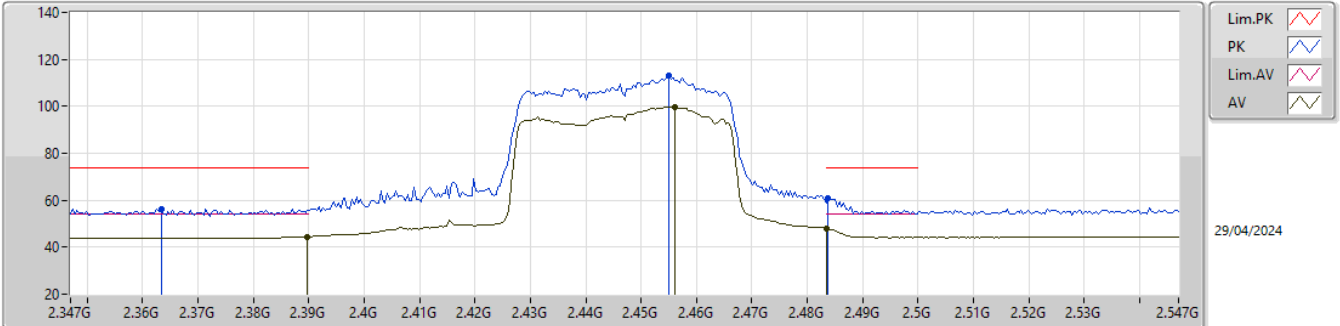


EUTY_3TX
Setting 72
02-C-A-4

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	2.389G	59.61	74.00	-14.39	28.07	3	Vertical	118	1.78	-	28.49	3.05	-
AV	2.3898G	46.12	54.00	-7.88	14.57	3	Vertical	118	1.78	-	28.50	3.05	-
PK	2.4522G	117.69	Inf	-Inf	86.13	3	Vertical	118	1.78	-	28.48	3.08	-
AV	2.4502G	104.53	Inf	-Inf	72.95	3	Vertical	118	1.78	-	28.50	3.08	-
PK	2.4838G	68.95	74.00	-5.05	37.26	3	Vertical	118	1.78	-	28.60	3.09	-
AV	2.4835G	53.88	54.00	-0.12	22.19	3	Vertical	118	1.78	-	28.60	3.09	-

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_3TX

2447MHz_TX

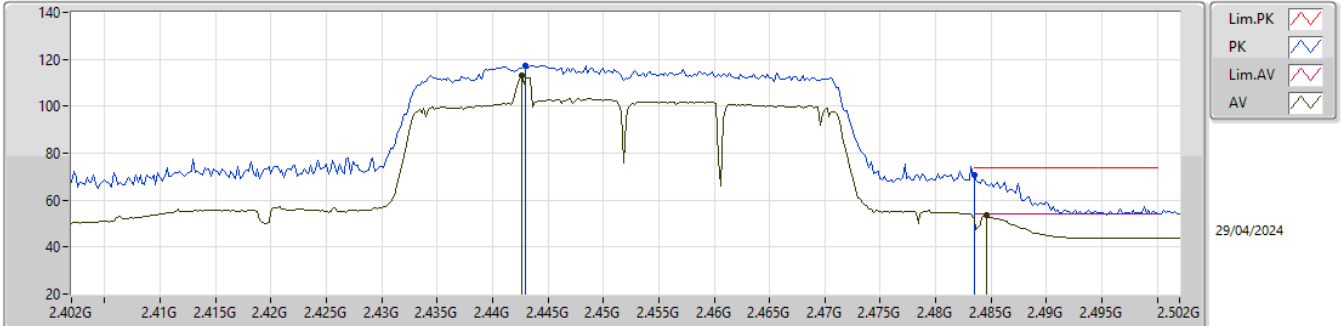


EUT_Y_3TX
Setting 72
02-C-A-4

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	2.3634G	56.41	74.00	-17.59	24.97	3	Horizontal	167	2.44	-	28.40	3.04	-
AV	2.3898G	44.48	54.00	-9.52	12.93	3	Horizontal	167	2.44	-	28.50	3.05	-
PK	2.455G	113.00	Inf	-Inf	81.47	3	Horizontal	167	2.44	-	28.45	3.08	-
AV	2.4562G	99.75	Inf	-Inf	68.23	3	Horizontal	167	2.44	-	28.44	3.08	-
PK	2.4838G	60.66	74.00	-13.34	28.97	3	Horizontal	167	2.44	-	28.60	3.09	-
AV	2.4835G	47.97	54.00	-6.03	16.28	3	Horizontal	167	2.44	-	28.60	3.09	-

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_3TX

2452MHz_TX

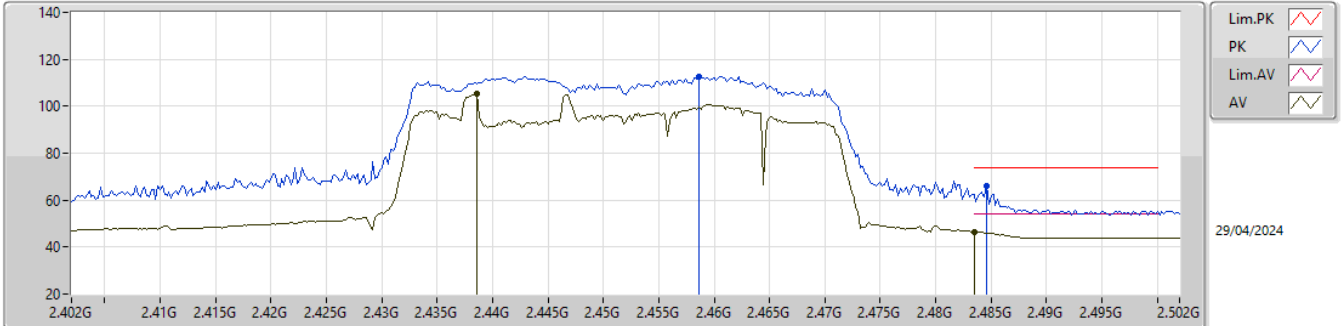


EUT_Y_3TX
Setting 78
02-C-V-1

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	2.443G	117.41	Inf	-Inf	85.83	3	Vertical	202	2.55	-	28.50	3.08	-
AV	2.4426G	112.89	Inf	-Inf	81.31	3	Vertical	202	2.55	-	28.50	3.08	-
PK	2.4835G	70.94	74.00	-3.06	39.25	3	Vertical	202	2.55	-	28.60	3.09	-
AV	2.4846G	53.58	54.00	-0.42	21.89	3	Vertical	202	2.55	-	28.60	3.09	-

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_3TX

2452MHz_TX

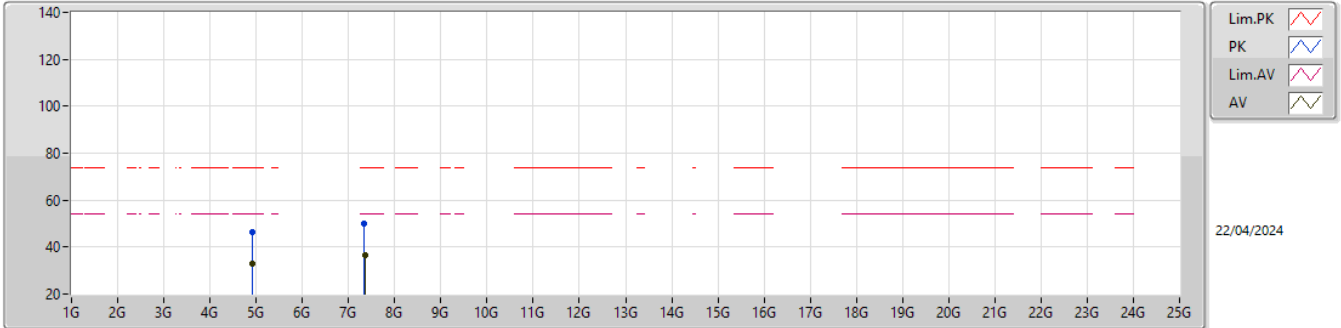


EUT_Y_3TX
Setting 78
02-C-V-1

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	2.4586G	112.51	Inf	-Inf	81.02	3	Horizontal	156	2.44	-	28.41	3.08	-
AV	2.4386G	105.54	Inf	-Inf	73.96	3	Horizontal	156	2.44	-	28.50	3.08	-
PK	2.4846G	65.95	74.00	-8.05	34.26	3	Horizontal	156	2.44	-	28.60	3.09	-
AV	2.4835G	46.61	54.00	-7.39	14.92	3	Horizontal	156	2.44	-	28.60	3.09	-

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_3TX

2452MHz_TX

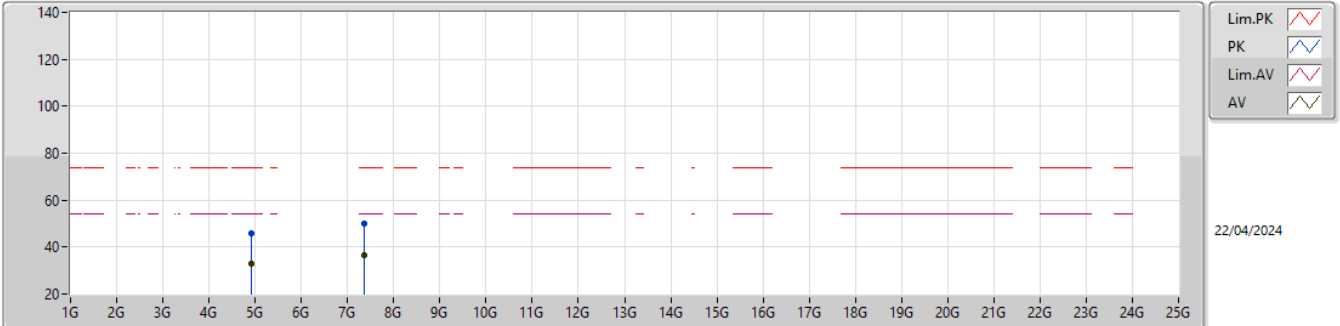


EUT_Y_3TX
Setting 108
02-C-A-4

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	4.90768G	46.42	74.00	-27.58	38.60	3	Vertical	41	2.30	-	33.32	5.12	30.62
AV	4.91384G	32.68	54.00	-21.32	24.85	3	Vertical	41	2.30	-	33.33	5.12	30.62
PK	7.34752G	49.97	74.00	-24.03	38.98	3	Vertical	97	2.84	-	36.59	6.53	32.13
AV	7.36524G	36.60	54.00	-17.40	25.60	3	Vertical	97	2.84	-	36.60	6.54	32.14

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_3TX

2452MHz_TX



EUT_Y_3TX
Setting 108
02-C-A-4

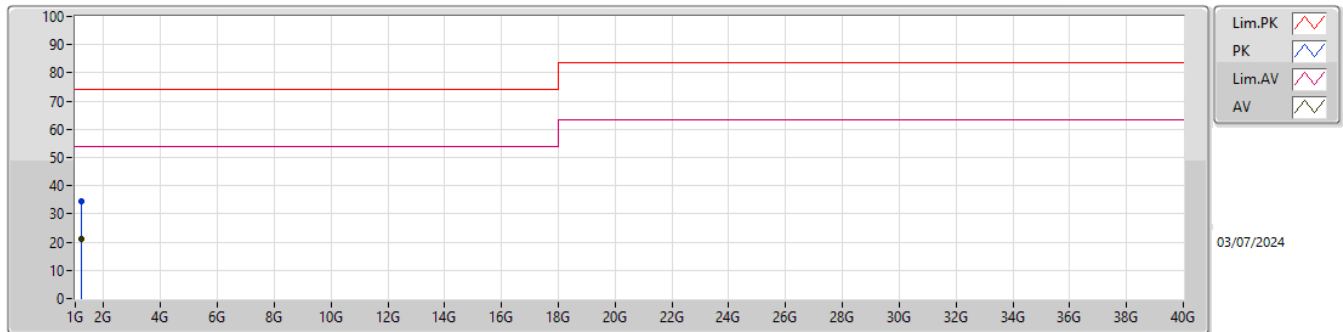
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90488G	45.94	74.00	-28.06	38.13	3	Horizontal	303	1.80	-	33.31	5.12	30.62
AV	4.90644G	32.79	54.00	-21.21	24.98	3	Horizontal	303	1.80	-	33.31	5.12	30.62
PK	7.36464G	49.93	74.00	-24.07	38.93	3	Horizontal	52	1.46	-	36.60	6.54	32.14
AV	7.36596G	36.51	54.00	-17.49	25.51	3	Horizontal	52	1.46	-	36.60	6.54	32.14



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.19636G	21.36	54.00	-32.64	Horizontal

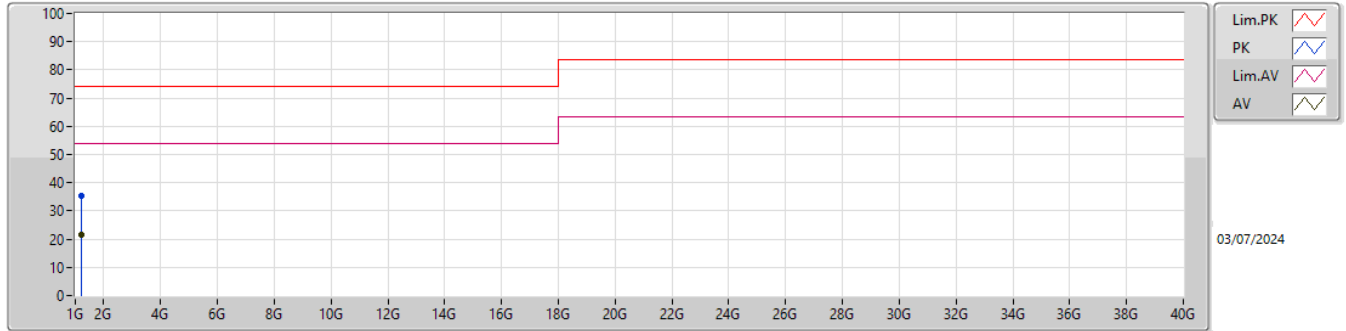
Mode 1



03/07/2024

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)		
PK	1.20291G	34.43	74.00	-39.57	-7.28	3	Vertical	45	1.00	-	41.71	25.30	3.33	35.91		
AV	1.19606G	21.18	54.00	-32.82	-7.29	3	Vertical	45	1.00	"Worst"	28.47	25.34	3.32	35.95		

Mode 1



03/07/2024

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	1.20453G	35.22	74.00	-38.78	-7.27	3	Horizontal	221	1.00	-	42.49	25.30	3.34	35.91
AV	1.19636G	21.36	54.00	-32.64	-7.28	3	Horizontal	221	1.00	"Worst"	28.64	25.34	3.32	35.94