



RADIO TEST REPORT

FCC ID : MSQ-RTBE7000
Equipment : BE7200 Dual Band Wi-Fi Router
Brand Name : ASUS
Model Name : RT-BE88U, RT-BE7200
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 Aug. 28, 2023, and testing was started from Dec. 21, 2023 and completed on Feb. 21, 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/manufacturee 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:

1. 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.
2. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.

Reviewed by: **Sam Chen**
Report Producer: **Muse Chan**



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	4TX
2.4-2.4835GHz	802.11g	20	4TX
2.4-2.4835GHz	802.11n HT20	20	4TX
2.4-2.4835GHz	802.11n HT20-BF	20	4TX
2.4-2.4835GHz	VHT20	20	4TX
2.4-2.4835GHz	VHT20-BF	20	4TX
2.4-2.4835GHz	802.11ax HEW20	20	4TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	4TX
2.4-2.4835GHz	802.11be EHT20	20	4TX
2.4-2.4835GHz	802.11be EHT20-BF	20	4TX
2.4-2.4835GHz	802.11n HT40	40	4TX
2.4-2.4835GHz	802.11n HT40-BF	40	4TX
2.4-2.4835GHz	VHT40	40	4TX
2.4-2.4835GHz	VHT40-BF	40	4TX
2.4-2.4835GHz	802.11ax HEW40	40	4TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	4TX
2.4-2.4835GHz	802.11be EHT40	40	4TX
2.4-2.4835GHz	802.11be EHT40-BF	40	4TX

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

Set	Ant.	Port		Brand	Model Name	Antenna Type	Connector	Gain (dBi)
		2.4GHz	5GHz					
1	1	4	1	M.gear	C660-510411-A	Dipole Antenna	Reversed-SMA	Note 1
	2	3	2				Reversed-SMA	
	3	2	3				Reversed-SMA	
	4	1	4				Reversed-SMA	
2	1	4	1	PSA	RFDPA171300SBLB820	Dipole Antenna	Reversed-SMA	
	2	3	2				Reversed-SMA	
	3	2	3				Reversed-SMA	
	4	1	4				Reversed-SMA	

Note 1:

Set	Ant.	Port		Gain (dBi)			Cable loss(dB)		Net Gain (dBi)				
		2.4GHz	5GHz	2.4GHz	5GHz UNII 1/ UNII 2A	5GHz UNII 2C	5GHz UNII 3	2.4GHz	5GHz	2.4GHz	5GHz UNII 1/ UNII 2A	5GHz UNII 2C	5GHz UNII 3
1	1	4	1	1.94	2.33	2.35	1.94	0.51	0.86	1.43	1.47	1.49	1.08
	2	3	2					0.41	0.73	1.53	1.6	1.62	1.21
	3	2	3					0.61	1.12	1.33	1.21	1.23	0.82
	4	1	4					0.69	1.2	1.25	1.13	1.15	0.74
2	1	4	1	1.85	2.24	2.32	1.86	0.51	0.86	1.34	1.38	1.46	1
	2	3	2					0.41	0.73	1.44	1.51	1.59	1.13
	3	2	3					0.61	1.12	1.24	1.12	1.2	0.74
	4	1	4					0.69	1.2	1.16	1.04	1.12	0.66

Note 2: The above information was declared by manufacturer.

Note 3: There's only set 1 selected to test and recorded in the report due to the same antenna type and highest gain.



Note 4: 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	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=0}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=0}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=0}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=0}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right]$$

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

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

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

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

Where ;

$$2.4G \ G1 = 1.43 \text{ dBi} ; G2 = 1.53 \text{ dBi} ; G3 = 1.33 \text{ dBi} ; G4 = 1.25 \text{ dBi}$$

$$5G \ UNII-1 \ G1 = 1.47 \text{ dBi} ; G2 = 1.60 \text{ dBi} ; G3 = 1.21 \text{ dBi} ; G4 = 1.13 \text{ dBi}$$

$$5G \ UNII-2A \ G1 = 1.47 \text{ dBi} ; G2 = 1.60 \text{ dBi} ; G3 = 1.21 \text{ dBi} ; G4 = 1.13 \text{ dBi}$$

$$5G \ UNII-2C \ G1 = 1.49 \text{ dBi} ; G2 = 1.62 \text{ dBi} ; G3 = 1.23 \text{ dBi} ; G4 = 1.15 \text{ dBi}$$

$$5G \ UNII-3 \ G1 = 1.08 \text{ dBi} ; G2 = 1.21 \text{ dBi} ; G3 = 0.82 \text{ dBi} ; G4 = 0.74 \text{ dBi}$$

Nss1

$$2.4G \ DG = 7.41 \text{ dBi}$$

$$5G \ UNII-1 \ DG = 7.38 \text{ dBi}$$

$$5G \ UNII-2A \ DG = 7.38 \text{ dBi}$$

$$5G \ UNII-2C \ DG = 7.40 \text{ dB}$$

$$5G \ UNII-3 \ DG = 6.99 \text{ dBi}$$

Nss2

$$2.4G \ DG = 4.40 \text{ dBi}$$

$$5G \ UNII-1 \ DG = 4.37 \text{ dBi}$$

$$5G \ UNII-2A \ DG = 4.37 \text{ dBi}$$

$$5G \ UNII-2C \ DG = 4.39 \text{ dB}$$

$$5G \ UNII-3 \ DG = 3.98 \text{ dBi}$$



Note 5: For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax/be (4TX/4RX):

Port 1~4 can be used as transmitting/receiving antenna.

Port 1~4 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax/be (4TX/4RX):

Port 1~4 can be used as transmitting/receiving antenna.

Port 1~4 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Table with 5 columns: Mode, DC, DCF(dB), T(s), VBW(Hz) ≥ 1/T. Rows include 802.11b, 802.11g, 802.11be EHT20-BF, and 802.11be EHT40-BF.

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

1.1.4 EUT Operational Condition

Table with 2 columns: EUT Power Type, Beamforming Function, Function, Support RU, Test Software Version. Includes checkboxes for beamforming and RU support.

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.

Table with 3 columns: Brand Name, Model Name, Description. Shows ASUS models RT-BE88U and RT-BE7200.

Note 1: From the above models, model: RT-BE88U 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
AP Router	Master
Bridge	Slave without radar detection
Repeater	Master
Mesh	Master

Note 1: After evaluating, AP Router mode was selected to test and recorded in the 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 D01 v02r01
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Ken Yeh	22.6-24.3 / 53-66	Dec. 26, 2023~ Jan. 03, 2024
Radiated Below 1G	03CH05-CB	Gordon Hung	22-23 / 55-58	Dec. 21, 2023~ Jan. 17, 2024
	03CH06-CB		22.7-23.8 / 56-59	
Radiated Above 1G	03CH03-CB		22.4-23.5 / 55-58	
	03CH06-CB		22.7-23.8 / 56-59	
Radiated co-location emission	03CH06-CB		22.7-23.8 / 56-59	
AC Conduction	CO01-CB	Gray Lee	21-22 / 62-63	Dec. 26, 2023~ Feb. 21, 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 Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.2%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode
802.11b_Nss1,(1Mbps)_4TX
2412MHz
2437MHz
2462MHz
802.11g_Nss1,(6Mbps)_4TX
2412MHz
2437MHz
2457MHz
2462MHz
802.11be EHT20-BF_Nss1,(MCS0)_4TX
2412MHz
2437MHz
2457MHz
2462MHz
802.11be EHT40-BF_Nss1,(MCS0)_4TX
2422MHz
2437MHz
2452MHz
802.11be EHT20-BF_Nss2,(MCS0)_4TX
2412MHz
2437MHz
2457MHz
2462MHz
802.11be EHT40-BF_Nss2,(MCS0)_4TX
2422MHz
2437MHz
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 was 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 / WAN mode_EUT-WAN/LAN(WAN) + WAN/LAN1(LAN) + LAN5(LAN) + USB(R/W) + Adapter 1 with power cord + RJ-45 cable 1
2	AP Router / WAN mode_EUT-WAN/LAN1(WAN) + WAN/LAN(LAN) + LAN5(LAN) + USB(R/W) + Adapter 1 with power cord + RJ-45 cable 1
3	AP Router / WWAN mode_EUT-WAN/LAN(LAN) + WAN/LAN1(LAN) + LAN5(LAN) + USB(WWAN) + Adapter 1 with power cord + RJ-45 cable 1
Mode 1 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 will follow this same test mode.	
4	AP Router / WAN mode_EUT-WAN/LAN(WAN) + WAN/LAN1(LAN) + LAN5(LAN) + USB(R/W) + Adapter 2 + RJ-45 cable 1
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 Z axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Z axis + Adapter 1 with power cord + RJ-45 cable 1_WLAN 2.4GHz
2	EUT in Z axis + Adapter 1 with power cord + RJ-45 cable 2_WLAN 2.4GHz
3	EUT in Z axis + Adapter 1 with power cord + RJ-45 cable 3_WLAN 2.4GHz
Mode 2 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 will follow this same test mode.	
4	EUT in Z axis + Adapter 2 + RJ-45 cable 2_WLAN 2.4GHz
Mode 2 has been evaluated to be the worst case among Mode 1~4, thus measurement for Mode 5 will follow this same test mode.	
5	EUT in Z axis + Adapter 1 with power cord + RJ-45 cable 2_WLAN 5GHz
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
	After evaluating, EUT in Z axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Z 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 Z axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Z 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	WLAN 2.4GHz + WLAN 5GHz
2	WLAN 2.4GHz + WLAN 5GHz + WWAN
Refer to Sporton Test Report No.: FA382332 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 [ver 6.1.7601].
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	DC Power Line
Adapter 1	ACBEL	ADH011	Input: 100-240V~1.4A, 50-60Hz Output: 19.5V, 2.31A, 45.0W MAX.	Non-shielded,1.5m
Adapter 2	LEADER	MU60B3120500-A1	Input: 100V-240V~50/60Hz, 1.5A Output: 12.0V, 5.0A	-
Others				
Power cord*1: Non-shielded, 0.8m for Adapter 1 use				
RJ-45 cable 1*1: Shielded, 1.5m				
RJ-45 cable 2*1: Shielded, 1.5m				
RJ-45 cable 3*1: Shielded, 1.5m				



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	SFP + PC	ASUS	S300TA	TX2-RTL8821CE
B	WAN PC	ASUS	S300TA	TX2-RTL8821CE
C	2.5G LAN1 PC	ASUS	S300TA	TX2-RTL8821CE
D	2.4G NB	DELL	E6430	N/A
E	2.5G LAN4 PC	ASUS	S300TA	TX2-RTL8821CE
F	1G LAN5 NB	DELL	E6430	N/A
G	1G LAN8 NB	DELL	E6430	N/A
H	Transceiver	TP-link	TL-SM5310-T	N/A
I	Flash disk3.0	Transcend	JetFlash-700	N/A
J	5G NB	DELL	E6430	N/A

For Radiated (below 1GHz) and Radiated (above 1GHz) <Non-beamforming mode>:

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

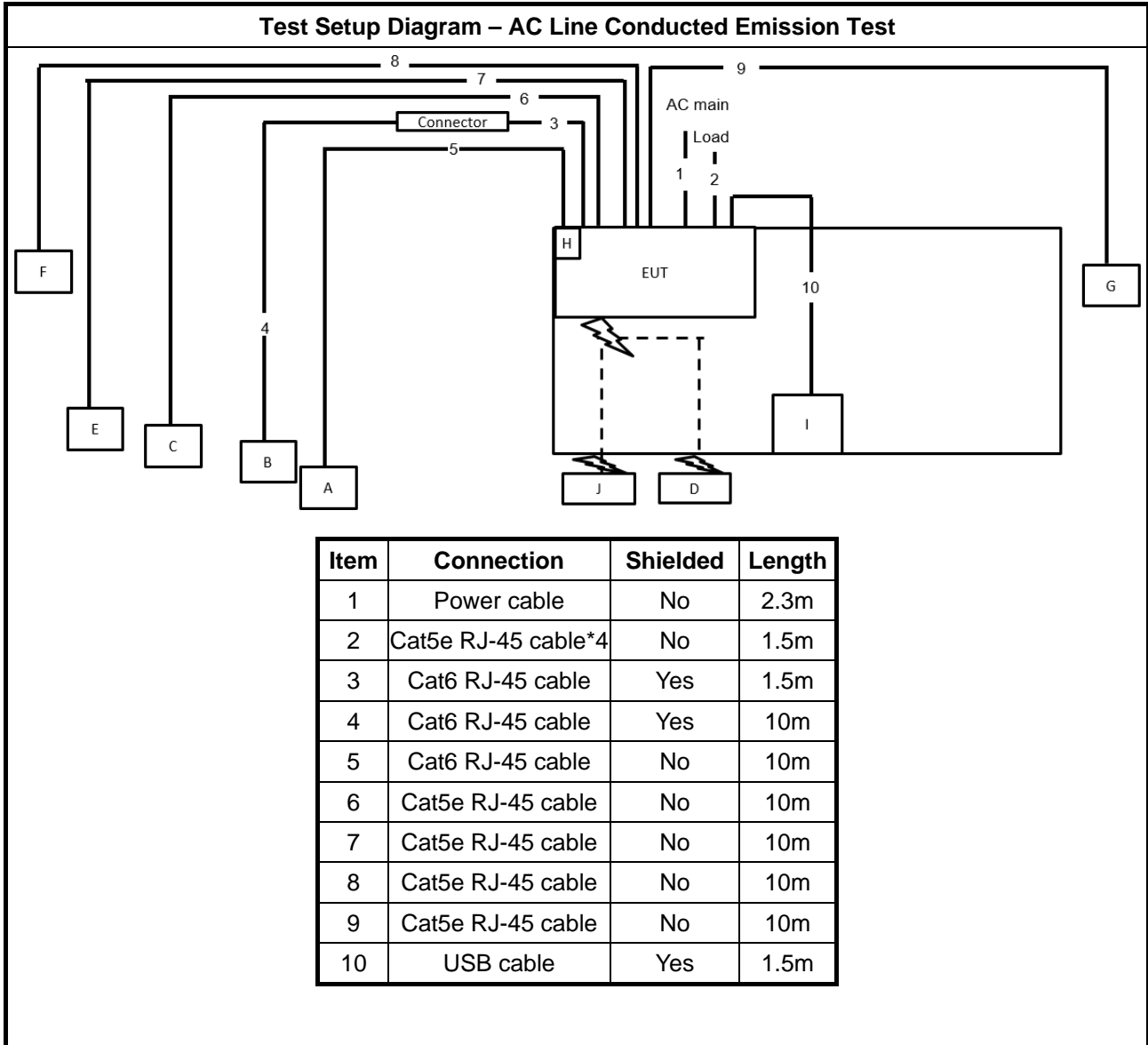
For Radiated (above 1GHz) <Beamforming mode>:

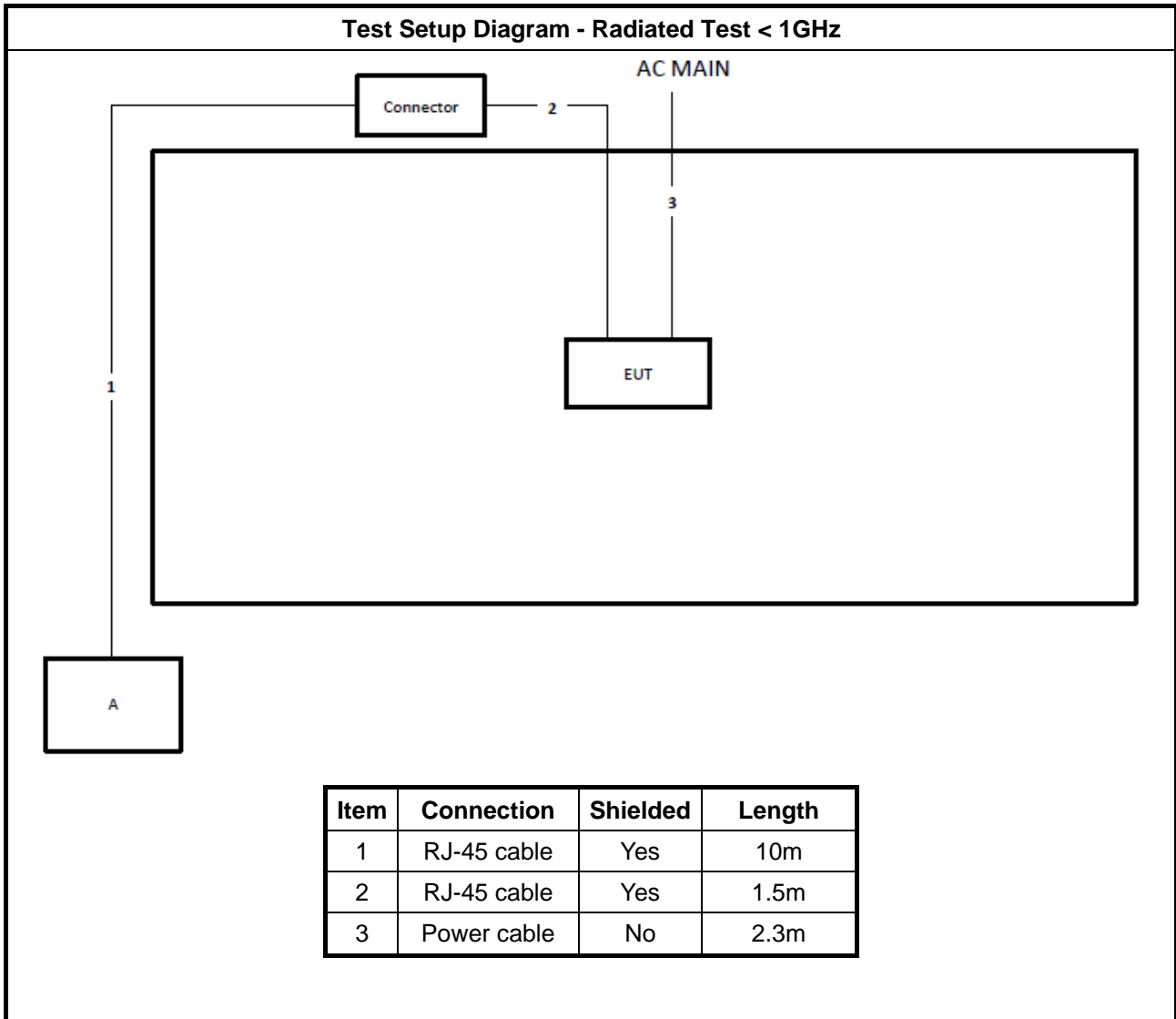
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Device	ASUS	RT-BE88U	MSQ-RTBE7000
C	NB	DELL	E4300	N/A

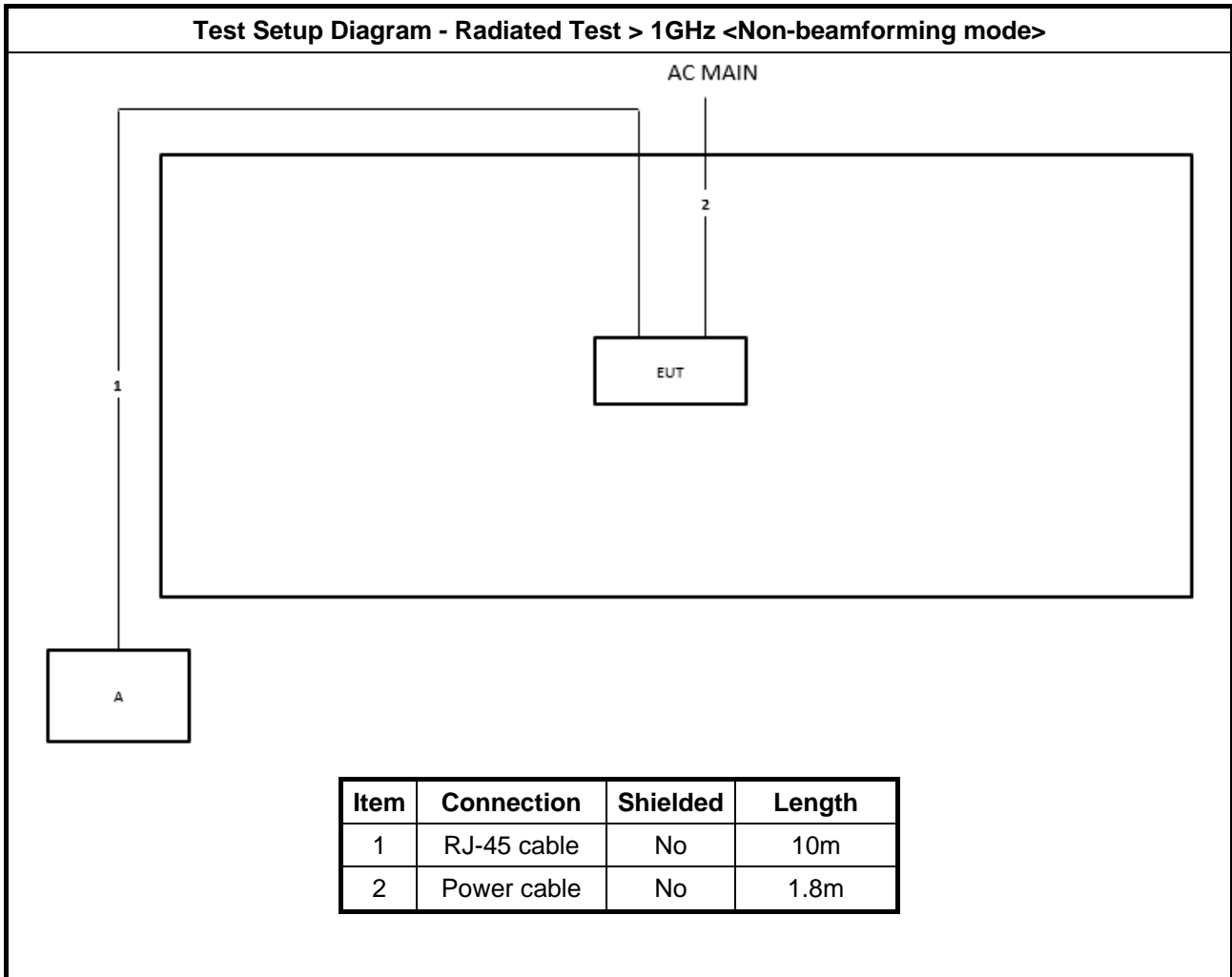
For RF Conducted:

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

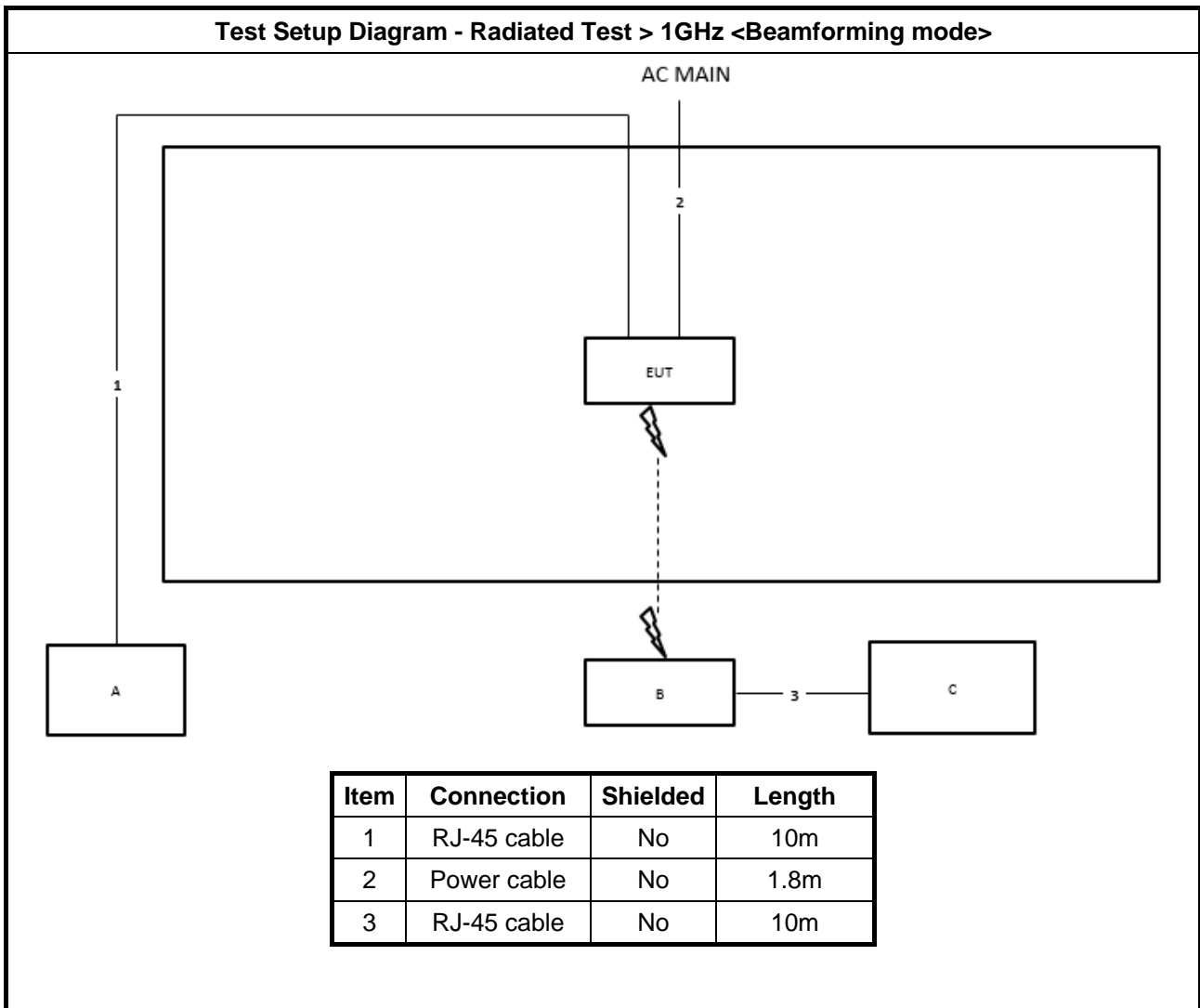
2.6 Test Setup Diagram







Test Setup Diagram - Radiated Test > 1GHz <Beamforming mode>





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.

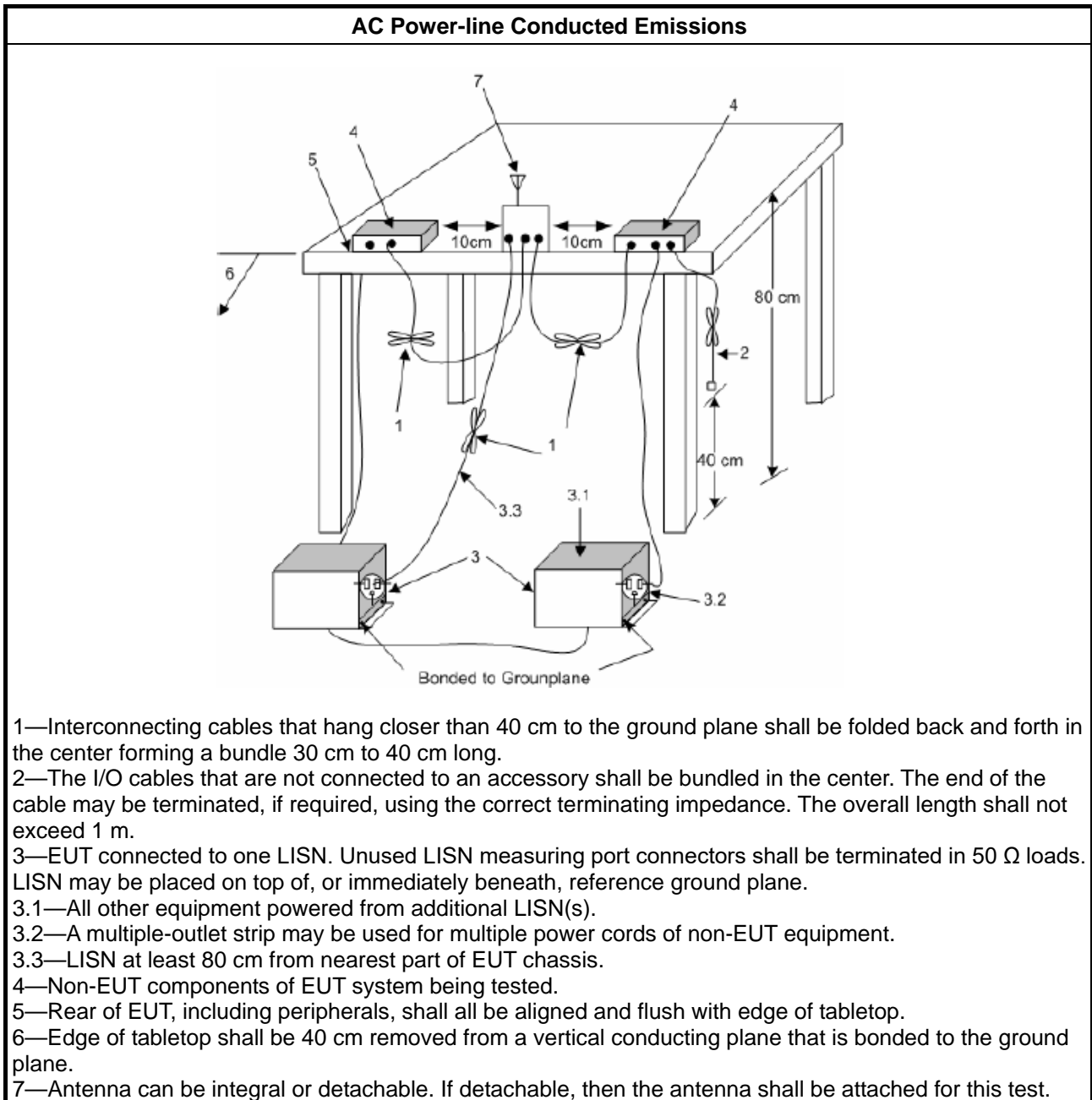
3.1.2 Measuring Instruments

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:

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

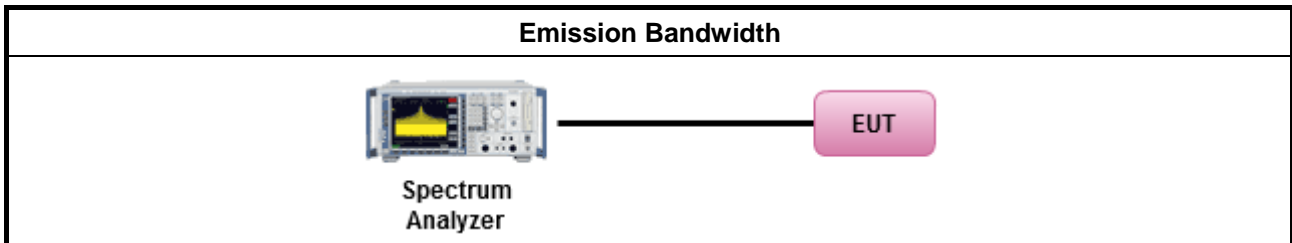
3.2.2 Measuring Instruments

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.	

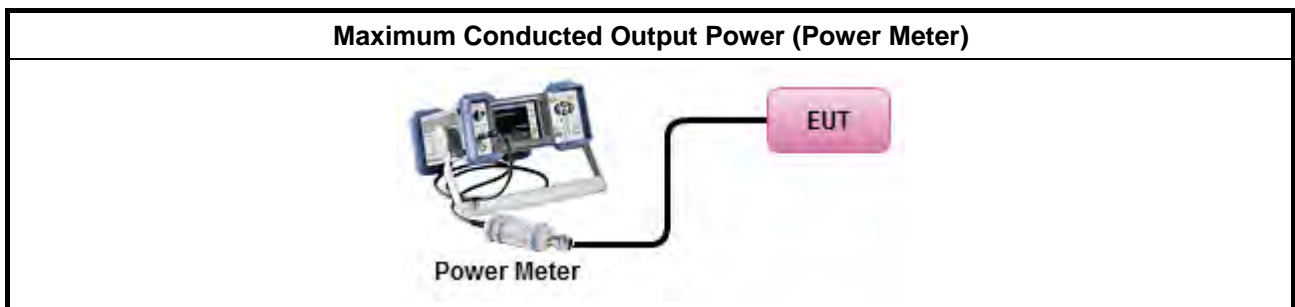
3.3.2 Measuring Instruments

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 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) ≤ 8 dBm/3kHz

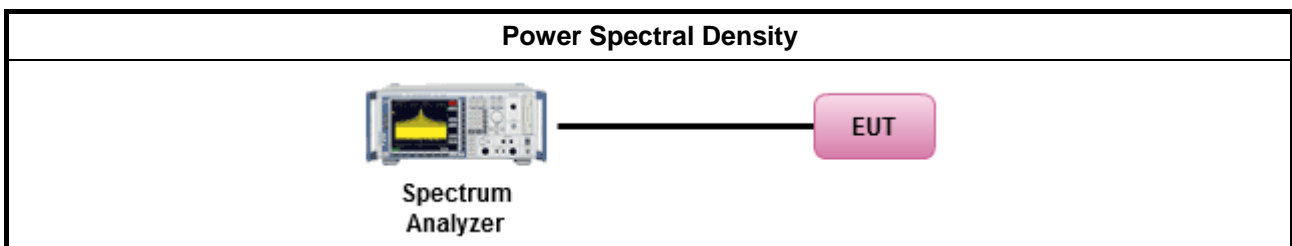
3.4.2 Measuring Instruments

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" style="width: 100%;"> <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.

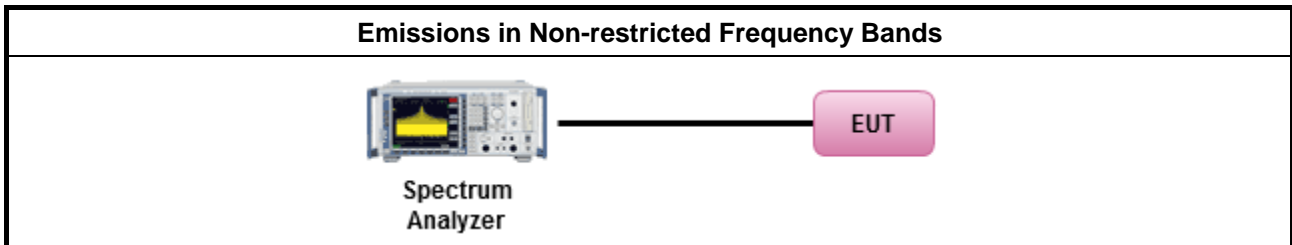
3.5.2 Measuring Instruments

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

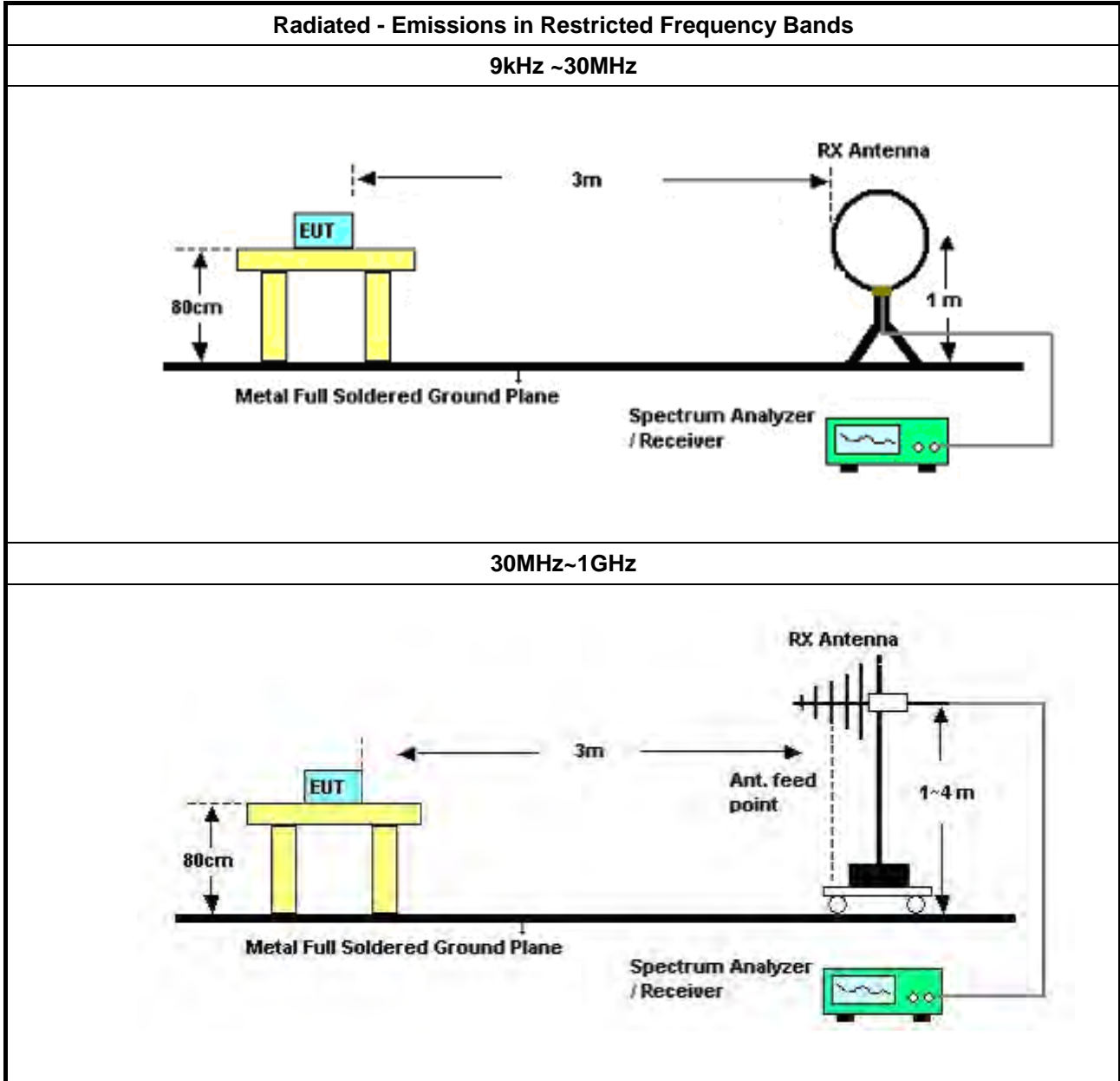
Refer a test equipment and calibration data table in this test report.

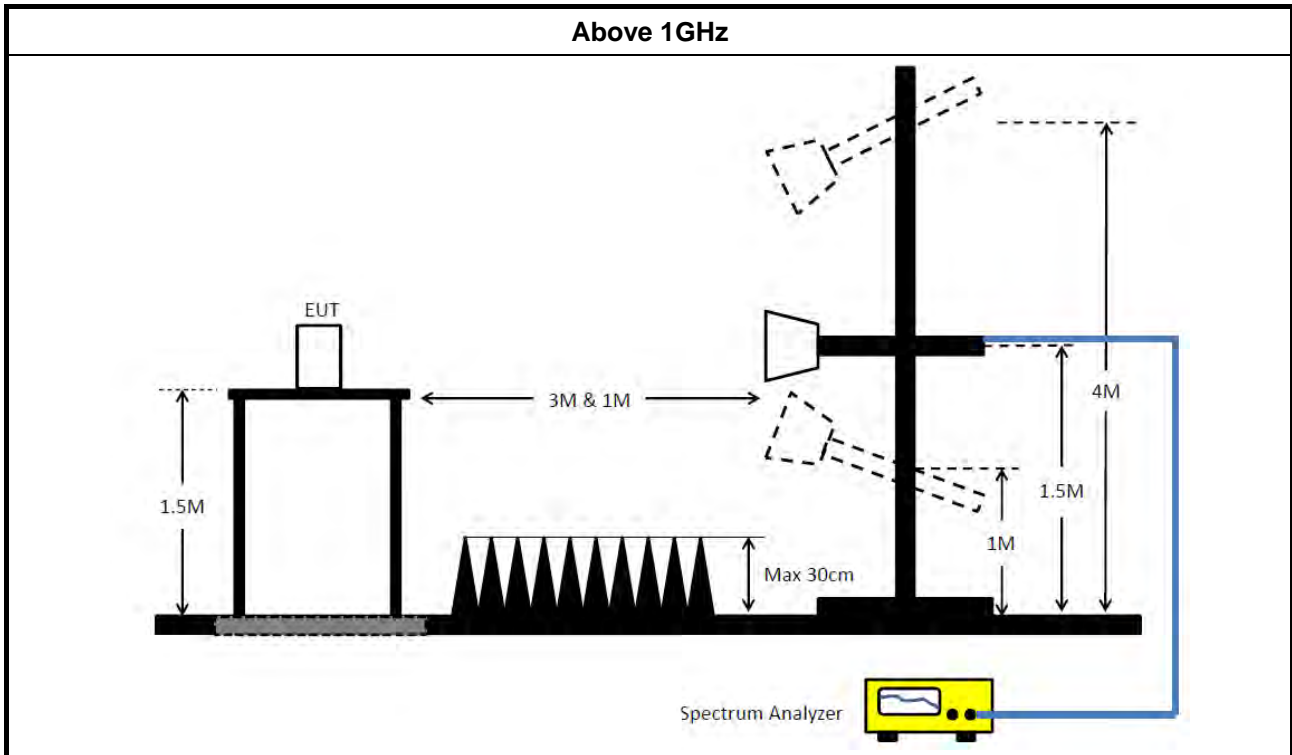


3.6.3 Test Procedures

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	MY52260140	9kHz ~ 8.4GHz	May 18, 2023	May 17, 2024	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-5 0-16-2	04083	150kHz~100MHz	Feb. 16, 2023	Feb. 15, 2024	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 29, 2023	Dec. 28, 2024	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 27, 2023	Apr. 26, 2024	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 09, 2023	Feb. 08, 2024	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 (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz~1 GHz	Aug. 02, 2023	Aug. 01, 2024	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 24, 2023	Mar. 23, 2024	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 03, 2023	May 02, 2024	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz~2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Dec. 06, 2023	Dec. 05, 2024	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-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)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 02, 2023	Oct. 01, 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)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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	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)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz~40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 21, 2023	Apr. 20, 2024	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz~2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-24+68	30MHz~1GHz	Oct. 02, 2023	Oct. 01, 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	Dec. 06, 2023	Dec. 05, 2024	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 04, 2023	May 03, 2024	Radiation (03CH03-CB)
Horn Antenna	ETS · Lindgren	3115	6821	750MHz~18GHz	Feb. 03, 2023	Feb. 02, 2024	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH03-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 12, 2023	Jun. 11, 2024	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Nov. 07, 2023	Nov. 06, 2024	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Nov. 07, 2023	Nov. 06, 2024	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 06, 2023	Dec. 05, 2024	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 29, 2023	May 28, 2024	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

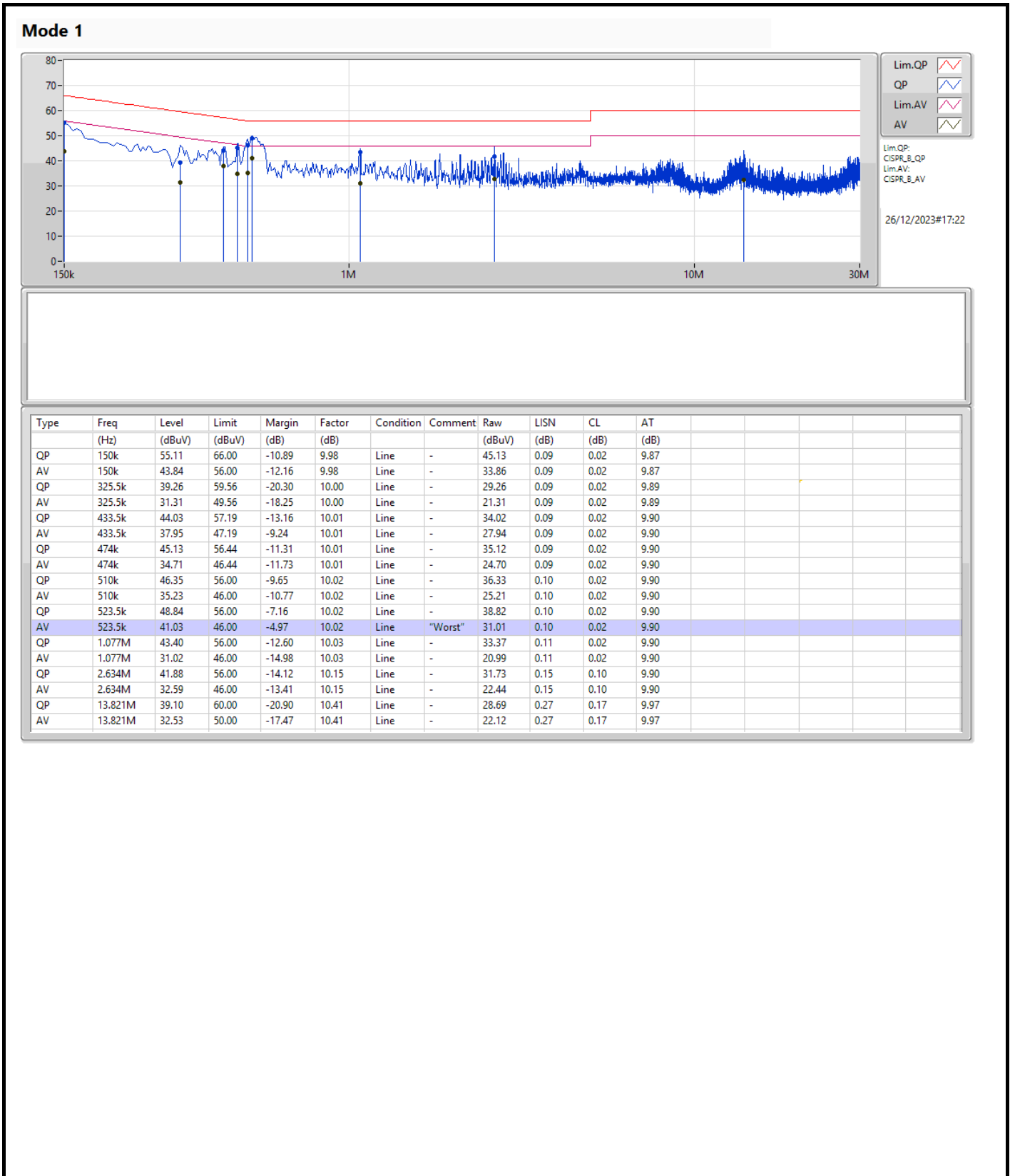
Note: Calibration Interval of instruments listed above is one year.

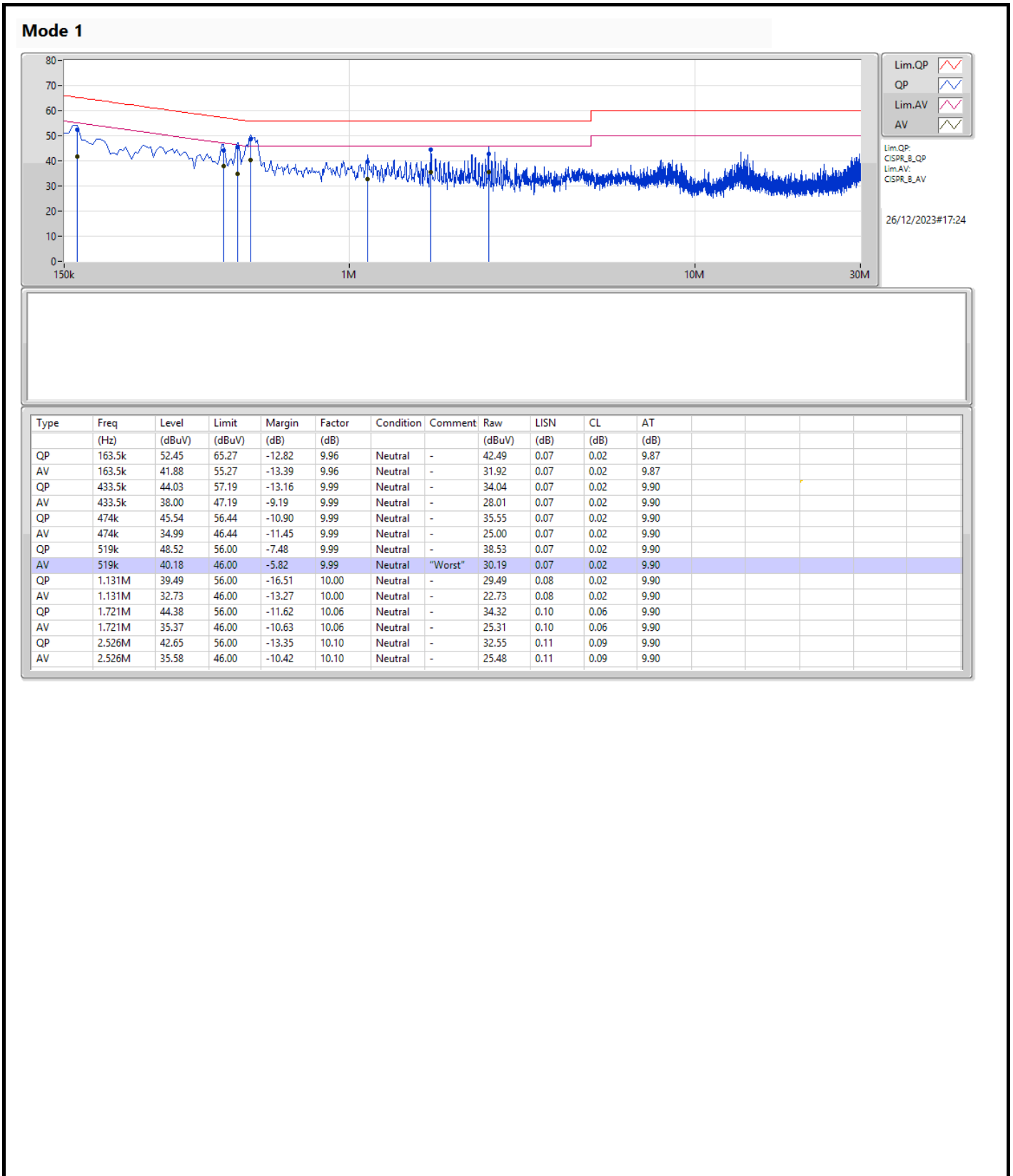
NCR means Non-Calibration required.



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	523.5k	41.03	46.00	-4.97	Line







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)_4TX	7.9M	10.299M	10M3G1D	6.6M	10.192M
802.11g_Nss1,(6Mbps)_4TX	16.575M	17.107M	17M1D1D	16.275M	16.559M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	19.15M	19.271M	19M3D1D	18.475M	18.956M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	19.275M	19.174M	19M2D1D	18.5M	18.984M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	38.15M	37.951M	38M0D1D	37.75M	37.494M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	38.2M	37.961M	38M0D1D	36.6M	37.653M

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)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	7.9M	10.26M	7.775M	10.212M	7.8M	10.299M	6.6M	10.24M
2437MHz	Pass	500k	7.525M	10.209M	7.275M	10.236M	7.125M	10.228M	7.7M	10.233M
2462MHz	Pass	500k	7.6M	10.283M	7.05M	10.204M	7.775M	10.205M	7.075M	10.192M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.55M	16.693M	16.475M	17.054M	16.55M	16.962M	16.525M	16.687M
2437MHz	Pass	500k	16.575M	16.697M	16.525M	16.946M	16.5M	16.559M	16.5M	16.597M
2462MHz	Pass	500k	16.5M	16.763M	16.4M	16.983M	16.55M	16.919M	16.275M	17.107M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	19.1M	19.06M	18.95M	19.068M	19.1M	19.038M	19.1M	19.141M
2437MHz	Pass	500k	19.1M	19.128M	19.15M	18.988M	19.1M	18.956M	19.075M	18.992M
2462MHz	Pass	500k	19.05M	19.077M	18.475M	19.133M	19.1M	19.271M	19.1M	19.09M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.95M	37.872M	37.95M	37.792M	38.05M	37.68M	38M	37.661M
2437MHz	Pass	500k	37.9M	37.698M	38M	37.767M	38.15M	37.756M	38M	37.824M
2452MHz	Pass	500k	37.75M	37.951M	38M	37.494M	37.95M	37.765M	38M	37.853M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	19.05M	19.029M	18.5M	19.009M	19.15M	19.073M	19.075M	19.007M
2437MHz	Pass	500k	19.125M	19.009M	19.1M	19.137M	19.275M	19.096M	19.175M	19.064M
2462MHz	Pass	500k	19.2M	19.031M	19.05M	19.174M	19.05M	18.984M	19M	19.032M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	38.05M	37.737M	36.6M	37.875M	37.8M	37.852M	38.15M	37.731M
2437MHz	Pass	500k	38.1M	37.913M	38.15M	37.673M	38.2M	37.682M	38M	37.653M
2452MHz	Pass	500k	38.15M	37.857M	38.15M	37.692M	38.1M	37.7M	37.8M	37.961M

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)_4TX

EBW

2412MHz

29/12/2023

CF (Hz)
2.412G

Span (Hz)
50M

RBW (Hz)
100k

VBW (Hz)
300k

Sweep Time (s)
41.8u

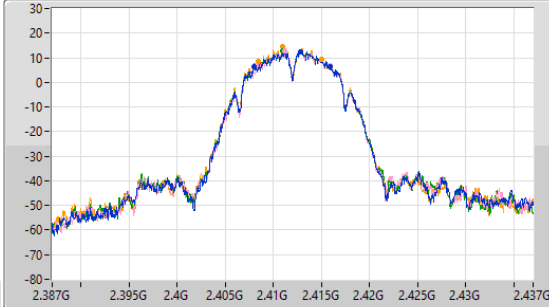
Detector Type
Peak

Port 1

Port 2

Port 3

Port 4



CF (Hz)
2.412G

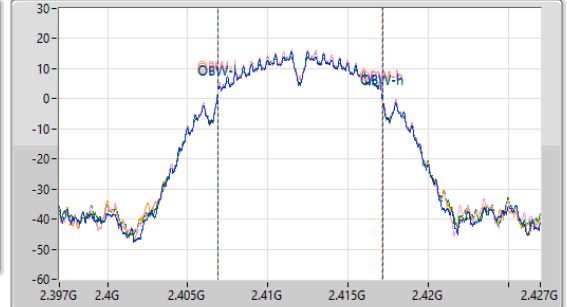
Span (Hz)
30M

RBW (Hz)
200k

VBW (Hz)
1M

Sweep Time (s)
10.5u

Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.9M	2.407975G	2.415875G	10.26M	2.406903G	2.417163G	500k	1
7.775M	2.408175G	2.41595G	10.212M	2.406917G	2.417129G	500k	2
7.8M	2.40815G	2.41595G	10.299M	2.406888G	2.417187G	500k	3
6.6M	2.40845G	2.41505G	10.24M	2.406905G	2.417145G	500k	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

EBW

2437MHz

29/12/2023

CF (Hz)
2.437G

Span (Hz)
50M

RBW (Hz)
100k

VBW (Hz)
300k

Sweep Time (s)
41.8u

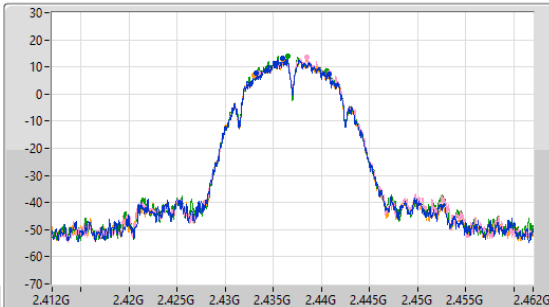
Detector Type
Peak

Port 1

Port 2

Port 3

Port 4



CF (Hz)
2.437G

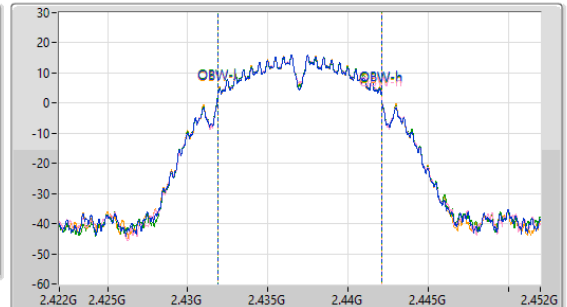
Span (Hz)
30M

RBW (Hz)
200k

VBW (Hz)
1M

Sweep Time (s)
10.5u

Detector Type
Peak



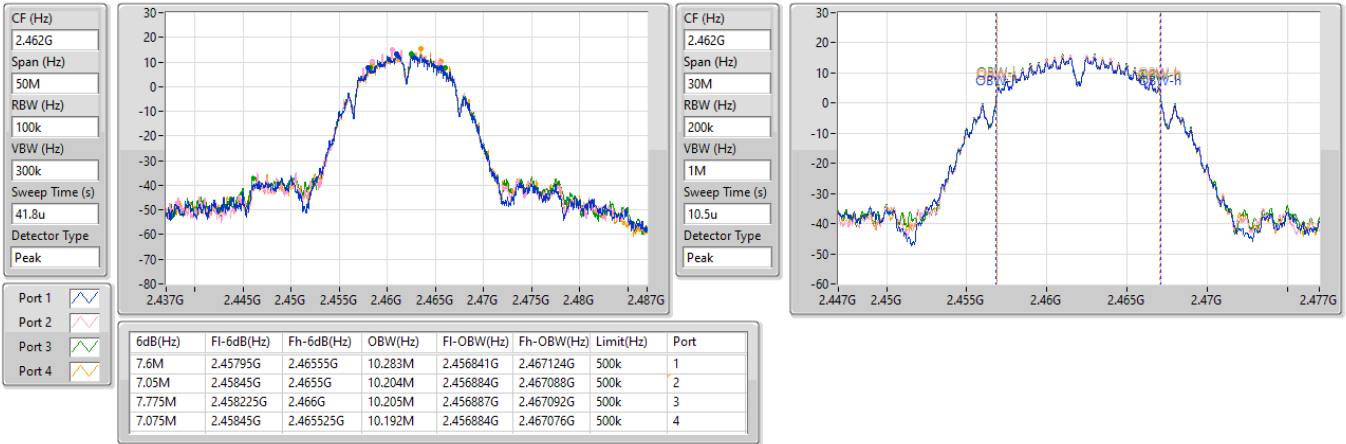
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.525M	2.433225G	2.44075G	10.209M	2.431889G	2.442098G	500k	1
7.275M	2.433475G	2.44075G	10.236M	2.431885G	2.442121G	500k	2
7.125M	2.433425G	2.44055G	10.228M	2.431889G	2.442117G	500k	3
7.7M	2.432975G	2.440675G	10.233M	2.431879G	2.442111G	500k	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

EBW

2462MHz

29/12/2023

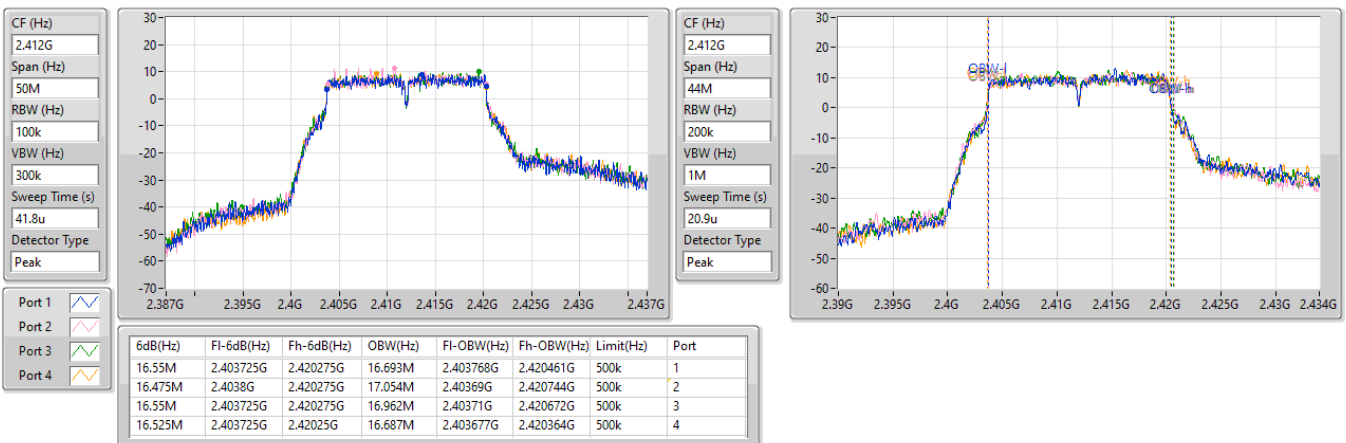


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

EBW

2412MHz

26/12/2023

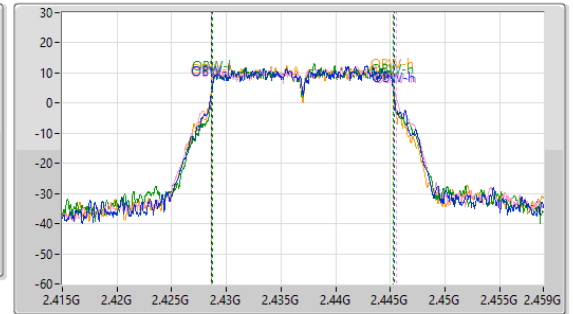
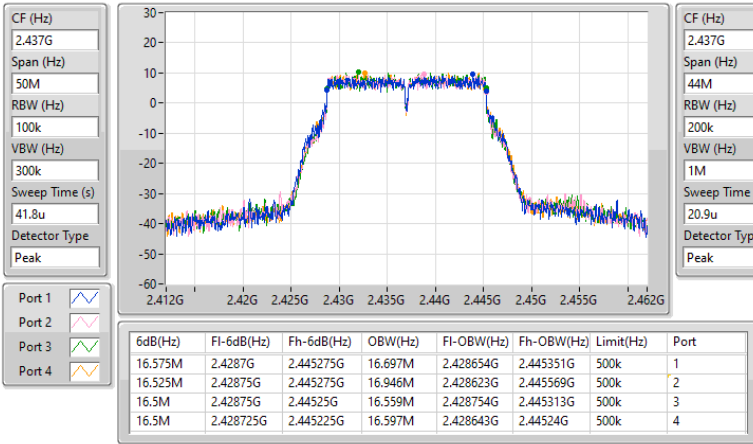


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

EBW

2437MHz

26/12/2023

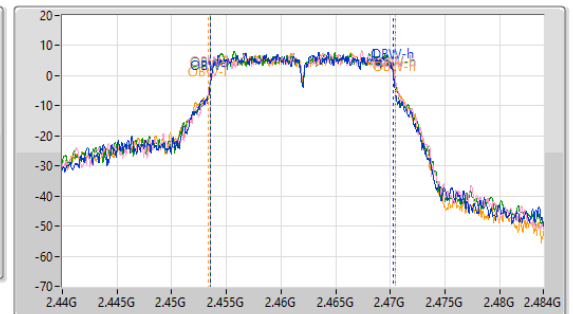
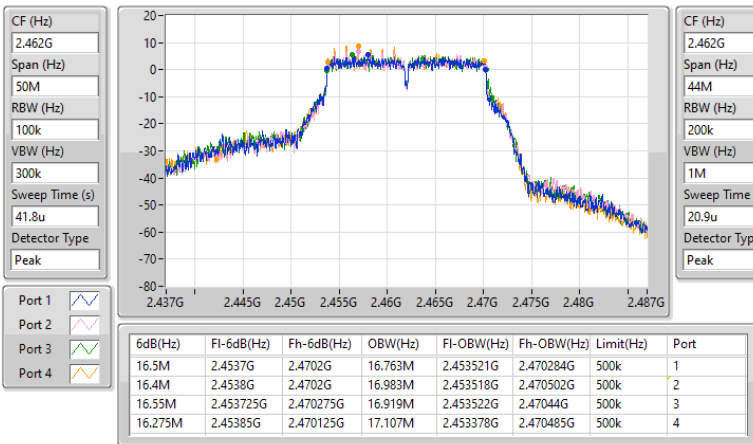


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

EBW

2462MHz

29/12/2023

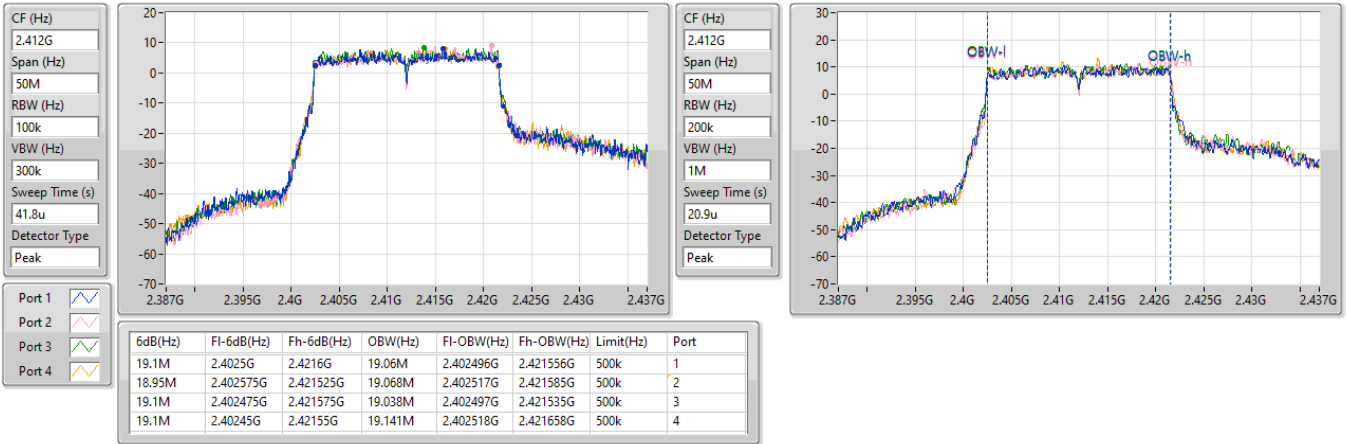


2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

2412MHz

26/12/2023

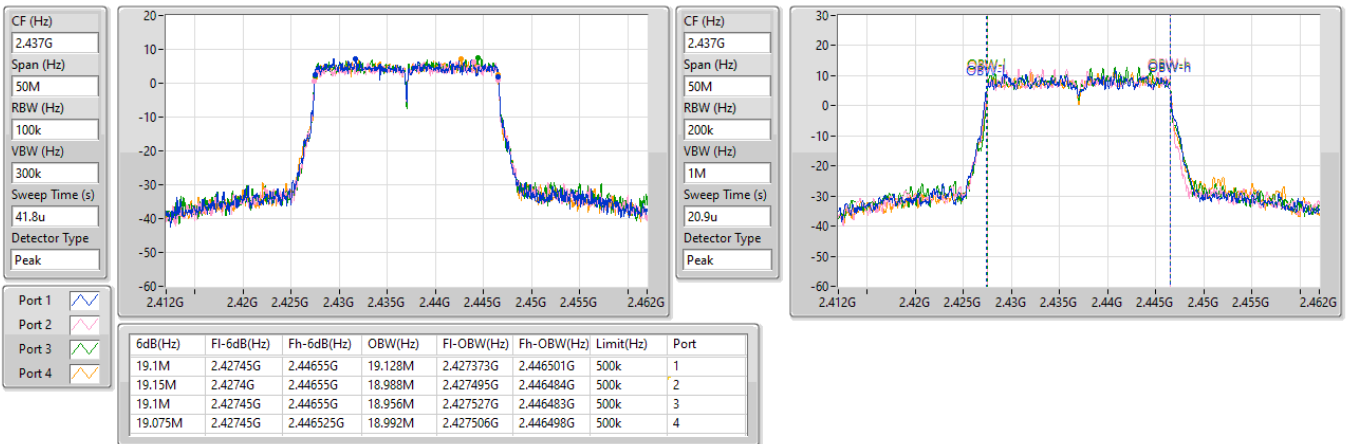


2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

2437MHz

26/12/2023

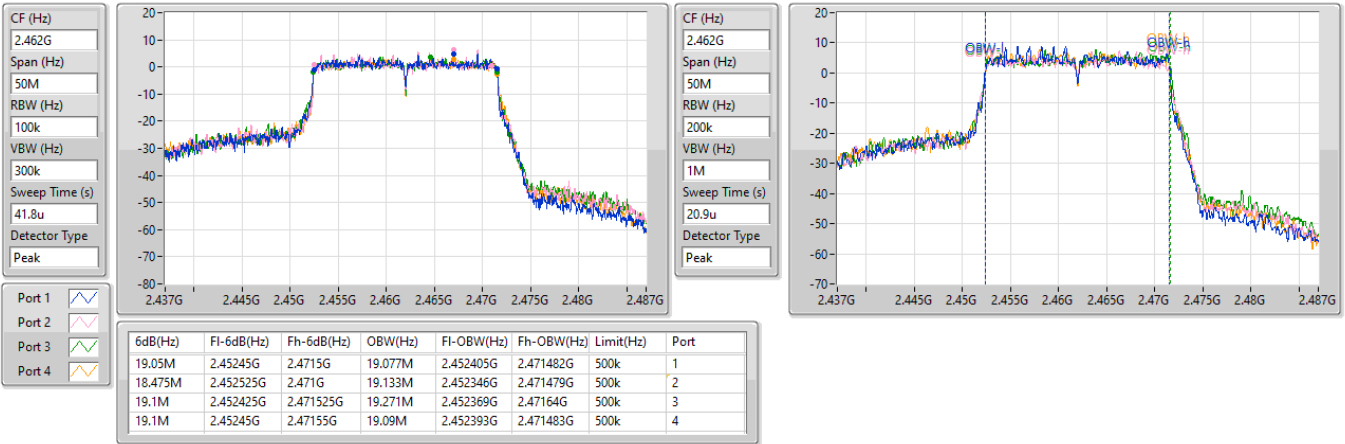


2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

2462MHz

29/12/2023

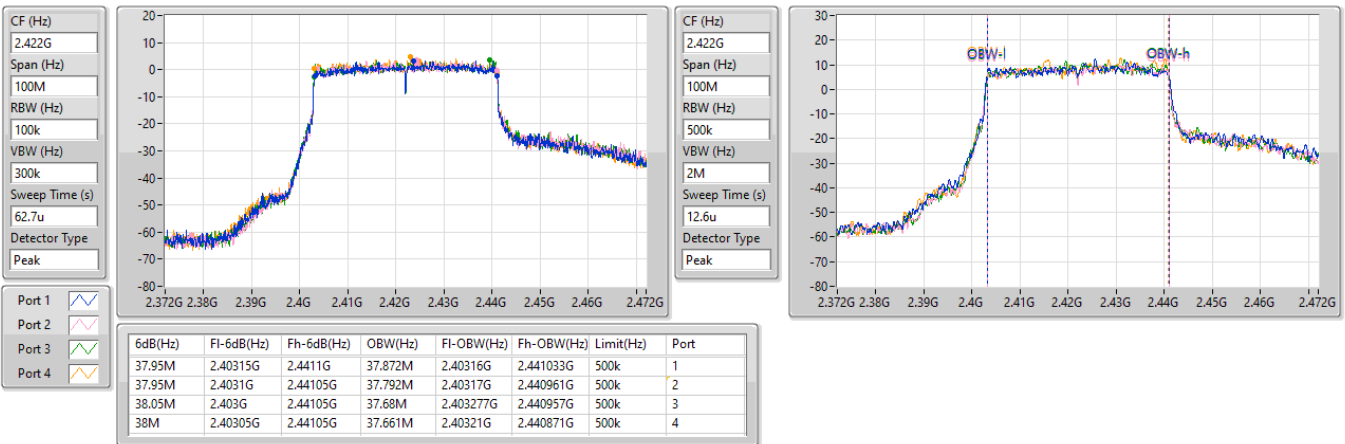


2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

2422MHz

26/12/2023

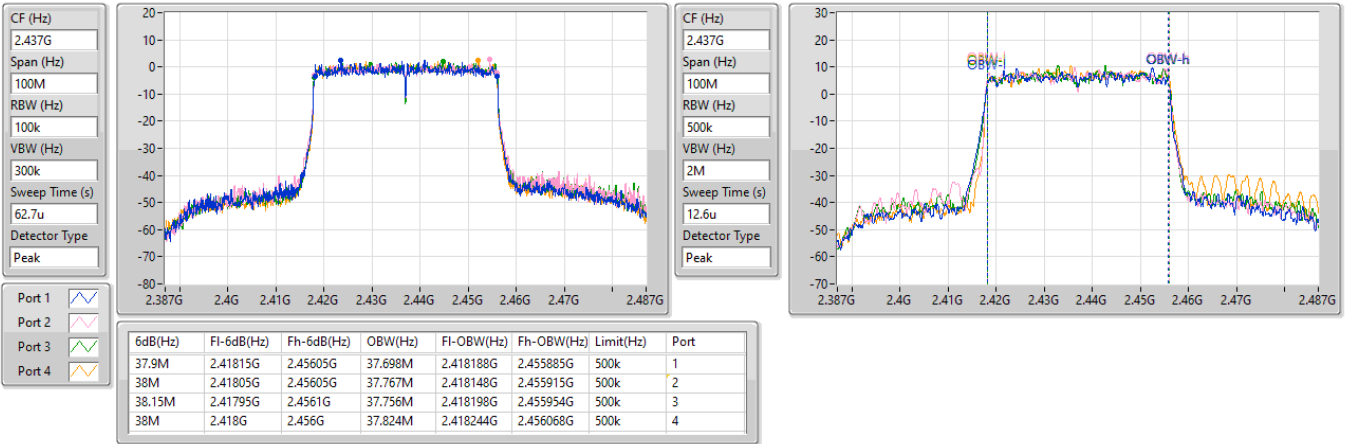


2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

2437MHz

26/12/2023

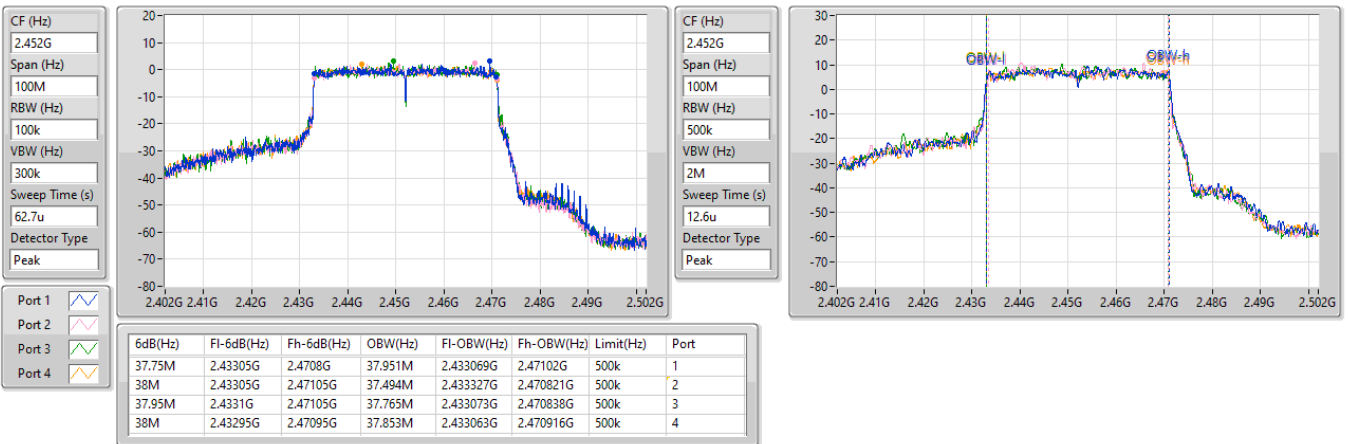


2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

2452MHz

26/12/2023

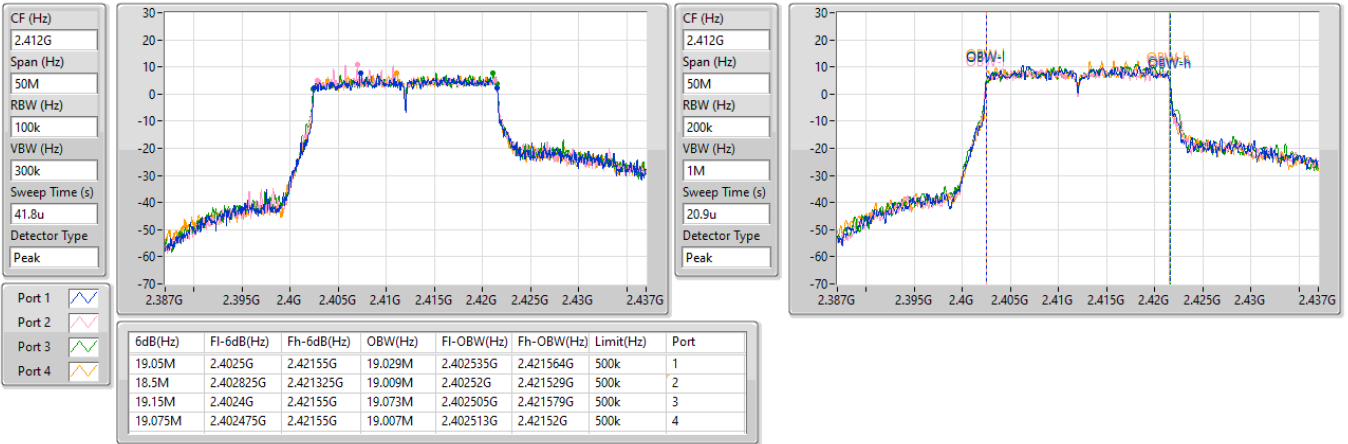


2.4-2.4835GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

EBW

2412MHz

26/12/2023

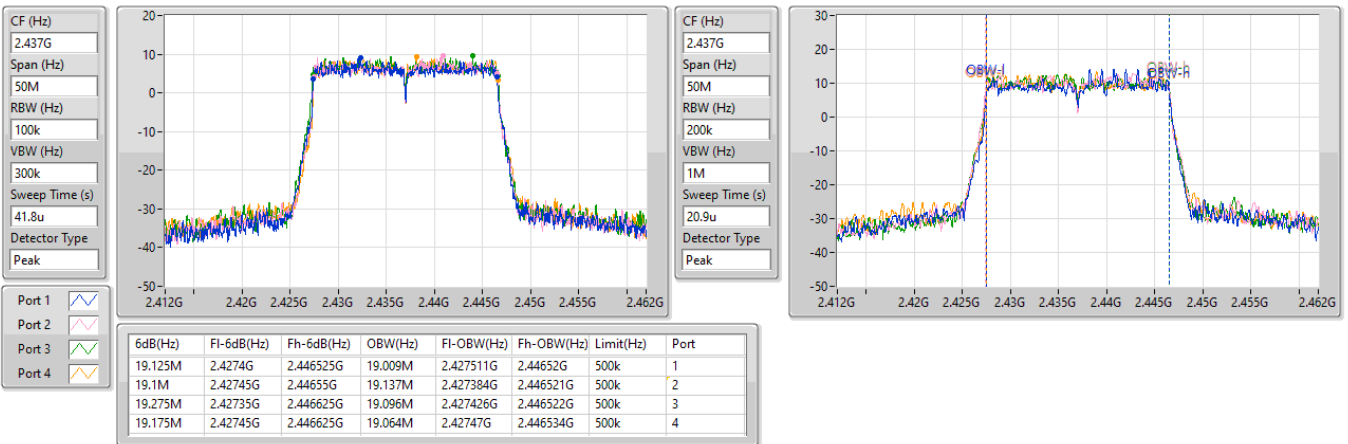


2.4-2.4835GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

EBW

2437MHz

26/12/2023

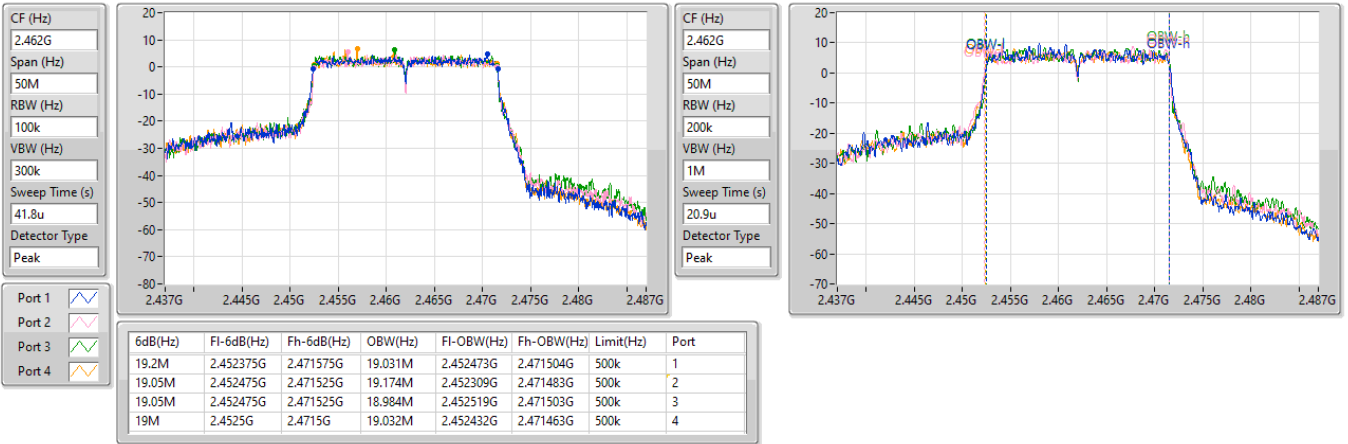


2.4-2.4835GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

EBW

2462MHz

26/12/2023

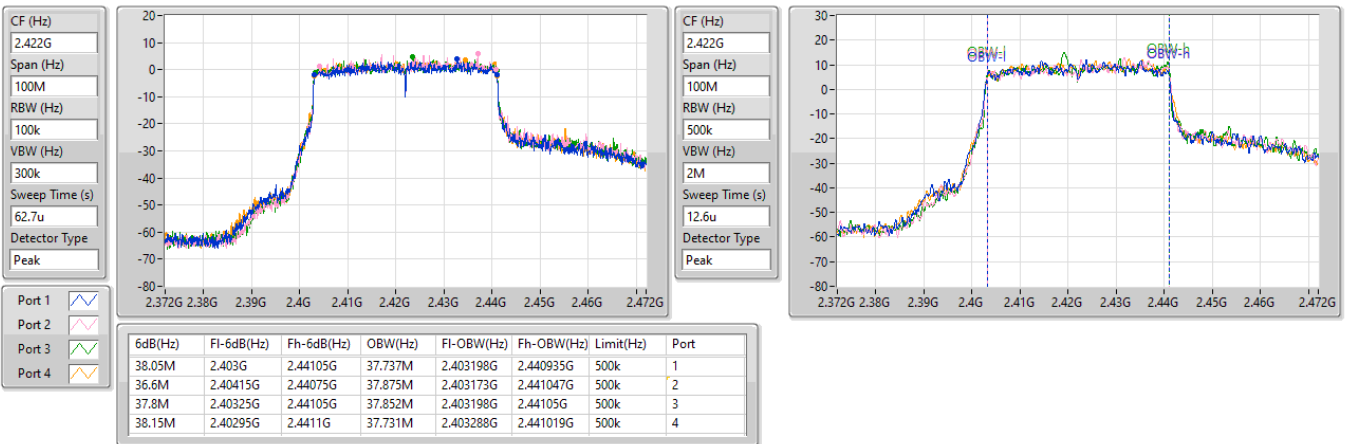


2.4-2.4835GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

EBW

2422MHz

26/12/2023

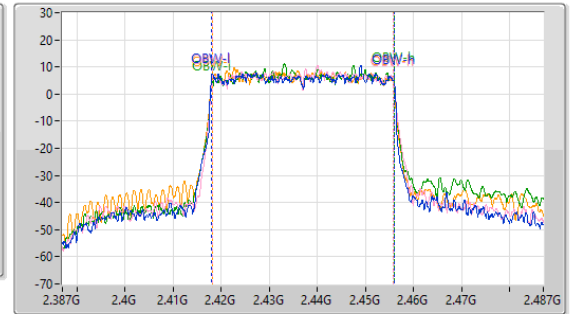
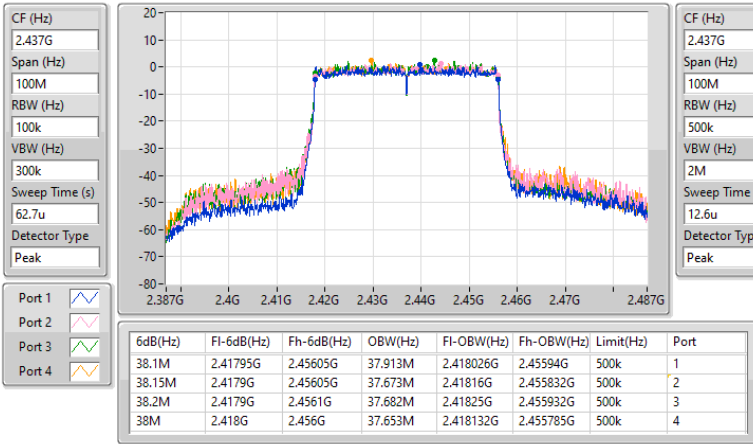


2.4-2.4835GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

EBW

2437MHz

26/12/2023

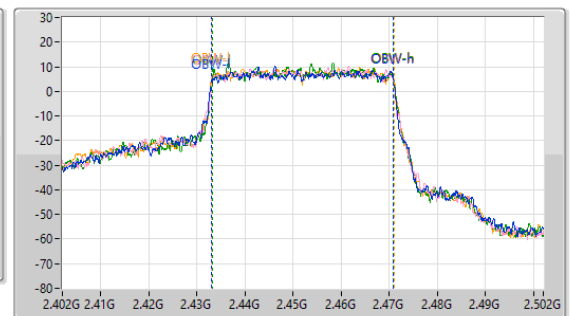
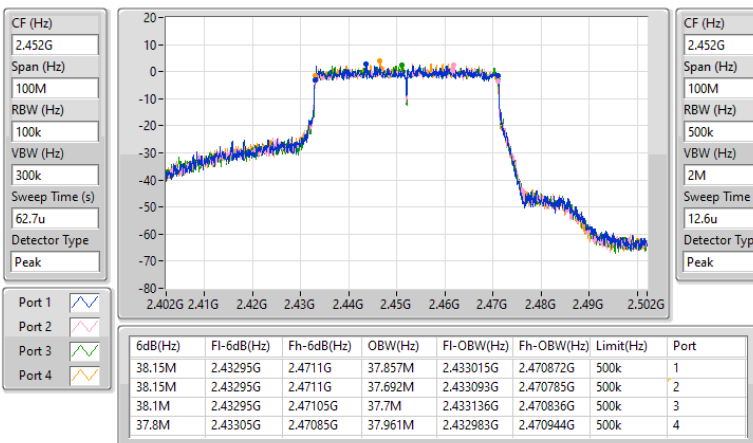


2.4-2.4835GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

EBW

2452MHz

26/12/2023





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	29.92	0.98175
802.11g_Nss1,(6Mbps)_4TX	29.90	0.97724
802.11be EHT20-BF_Nss1,(MCS0)_4TX	28.51	0.70958
802.11be EHT20-BF_Nss2,(MCS0)_4TX	29.85	0.96605
802.11be EHT40-BF_Nss1,(MCS0)_4TX	27.12	0.51523
802.11be EHT40-BF_Nss2,(MCS0)_4TX	27.39	0.54828



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	1.53	23.51	23.87	23.91	23.78	29.79	30.00
2437MHz	Pass	1.53	23.62	23.76	23.99	23.87	29.83	30.00
2462MHz	Pass	1.53	23.66	24.07	24.17	23.69	29.92	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	1.53	23.72	23.68	23.81	23.78	29.77	30.00
2437MHz	Pass	1.53	23.72	23.61	24.10	24.07	29.90	30.00
2457MHz	Pass	1.53	23.03	22.95	23.31	23.00	29.10	30.00
2462MHz	Pass	1.53	18.41	18.40	18.89	18.80	24.65	30.00
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	7.41	22.31	22.23	22.55	22.49	28.42	28.59
2437MHz	Pass	7.41	22.36	22.35	22.74	22.48	28.51	28.59
2457MHz	Pass	7.41	21.17	21.10	21.30	21.17	27.21	28.59
2462MHz	Pass	7.41	18.68	18.53	19.06	18.67	24.76	28.59
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	7.41	20.93	21.01	21.11	21.34	27.12	28.59
2437MHz	Pass	7.41	19.07	19.58	19.82	19.80	25.60	28.59
2452MHz	Pass	7.41	19.60	19.75	19.90	19.93	25.82	28.59
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.40	22.45	22.10	22.56	22.59	28.45	30.00
2437MHz	Pass	4.40	23.66	23.75	23.85	24.03	29.85	30.00
2457MHz	Pass	4.40	21.19	20.95	21.20	21.19	27.15	30.00
2462MHz	Pass	4.40	19.78	19.78	20.03	19.87	25.89	30.00
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	4.40	21.01	21.48	21.49	21.48	27.39	30.00
2437MHz	Pass	4.40	18.86	19.45	19.55	19.46	25.36	30.00
2452MHz	Pass	4.40	19.70	20.00	20.08	20.13	26.00	30.00

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



Summary

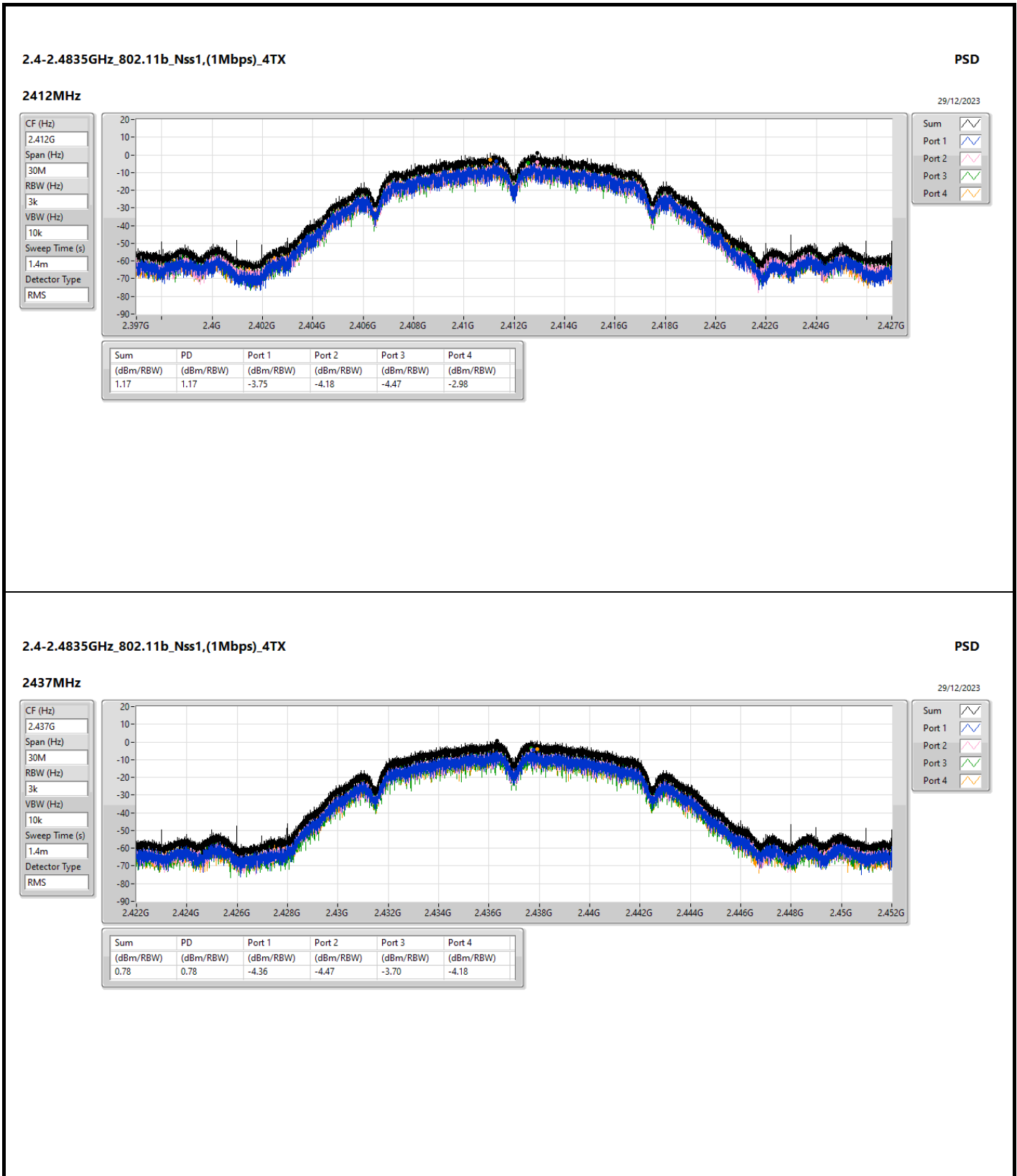
Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	1.17
802.11g_Nss1,(6Mbps)_4TX	2.57
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-0.31
802.11be EHT20-BF_Nss2,(MCS0)_4TX	0.74
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-4.22
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-4.30

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	7.41	-3.75	-4.18	-4.47	-2.98	1.17	6.59
2437MHz	Pass	7.41	-4.36	-4.47	-3.70	-4.18	0.78	6.59
2462MHz	Pass	7.41	-3.25	-3.53	-3.51	-4.01	0.97	6.59
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	7.41	-2.06	-1.87	-2.22	-2.13	2.15	6.59
2437MHz	Pass	7.41	-1.79	-1.98	-1.43	-2.25	2.57	6.59
2462MHz	Pass	7.41	-8.02	-6.92	-7.31	-6.71	-3.20	6.59
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	7.41	-4.41	-4.93	-4.26	-4.80	-0.31	6.59
2437MHz	Pass	7.41	-5.20	-4.26	-3.96	-5.12	-0.64	6.59
2462MHz	Pass	7.41	-8.01	-8.23	-9.92	-9.65	-5.64	6.59
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	7.41	-9.07	-8.81	-7.70	-8.68	-4.22	6.59
2437MHz	Pass	7.41	-9.81	-10.61	-9.77	-9.27	-5.98	6.59
2452MHz	Pass	7.41	-10.80	-9.86	-10.05	-10.33	-5.80	6.59
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.40	-5.99	-5.77	-5.42	-4.95	-0.37	8.00
2437MHz	Pass	4.40	-4.23	-3.27	-3.21	-2.69	0.74	8.00
2462MHz	Pass	4.40	-7.84	-6.83	-7.28	-7.37	-3.18	8.00
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	4.40	-8.90	-8.40	-8.72	-8.90	-4.30	8.00
2437MHz	Pass	4.40	-11.34	-9.94	-10.66	-10.70	-6.39	8.00
2452MHz	Pass	4.40	-9.74	-8.90	-9.31	-9.85	-5.67	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_802.11b_Nss1,(1Mbps)_4TX

PSD

2462MHz

29/12/2023

CF (Hz)
2.462G

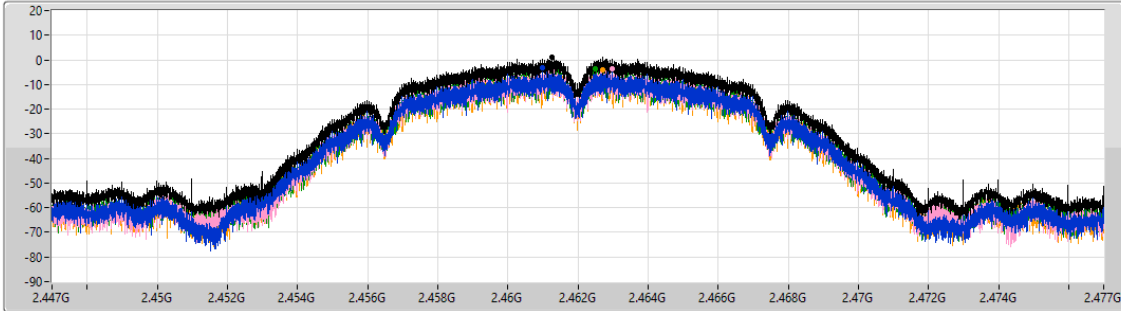
Span (Hz)
30M


RBW (Hz)
3k


VBW (Hz)
10k


Sweep Time (s)
1.4m


Detector Type
RMS




Sum 

Port 1 

Port 2 

Port 3 

Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.97	0.97	-3.25	-3.53	-3.51	-4.01

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

PSD

2412MHz

26/12/2023

CF (Hz)
2.412G

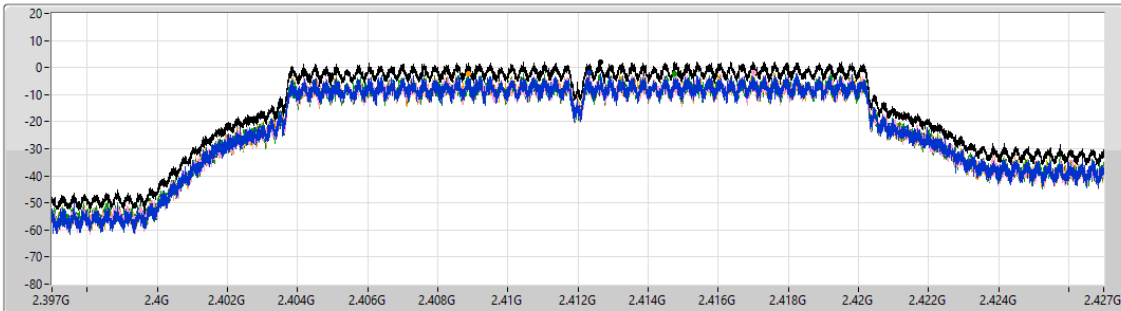
Span (Hz)
30M


RBW (Hz)
3k


VBW (Hz)
10k


Sweep Time (s)
1.4m


Detector Type
Peak




Sum 

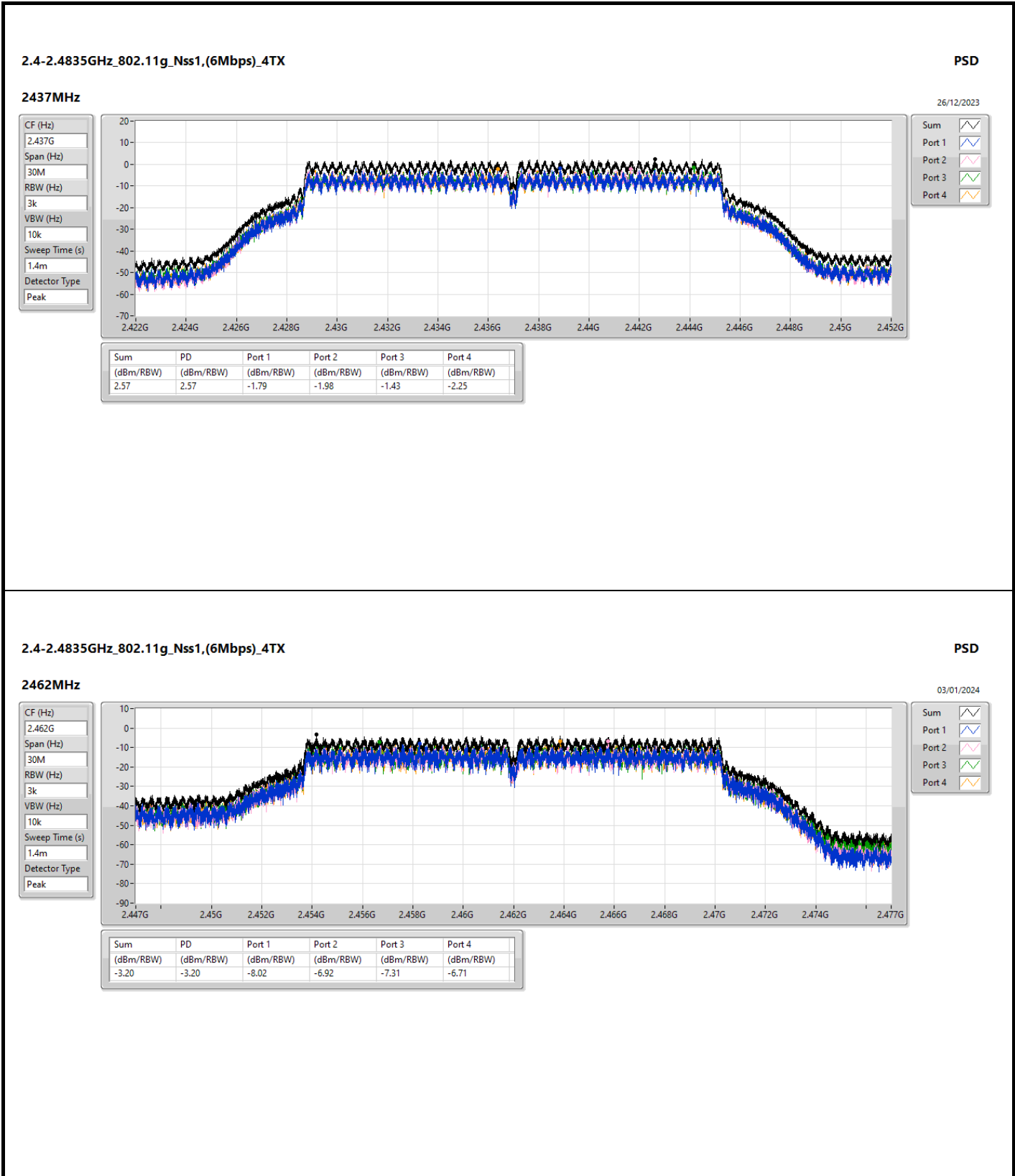
Port 1 

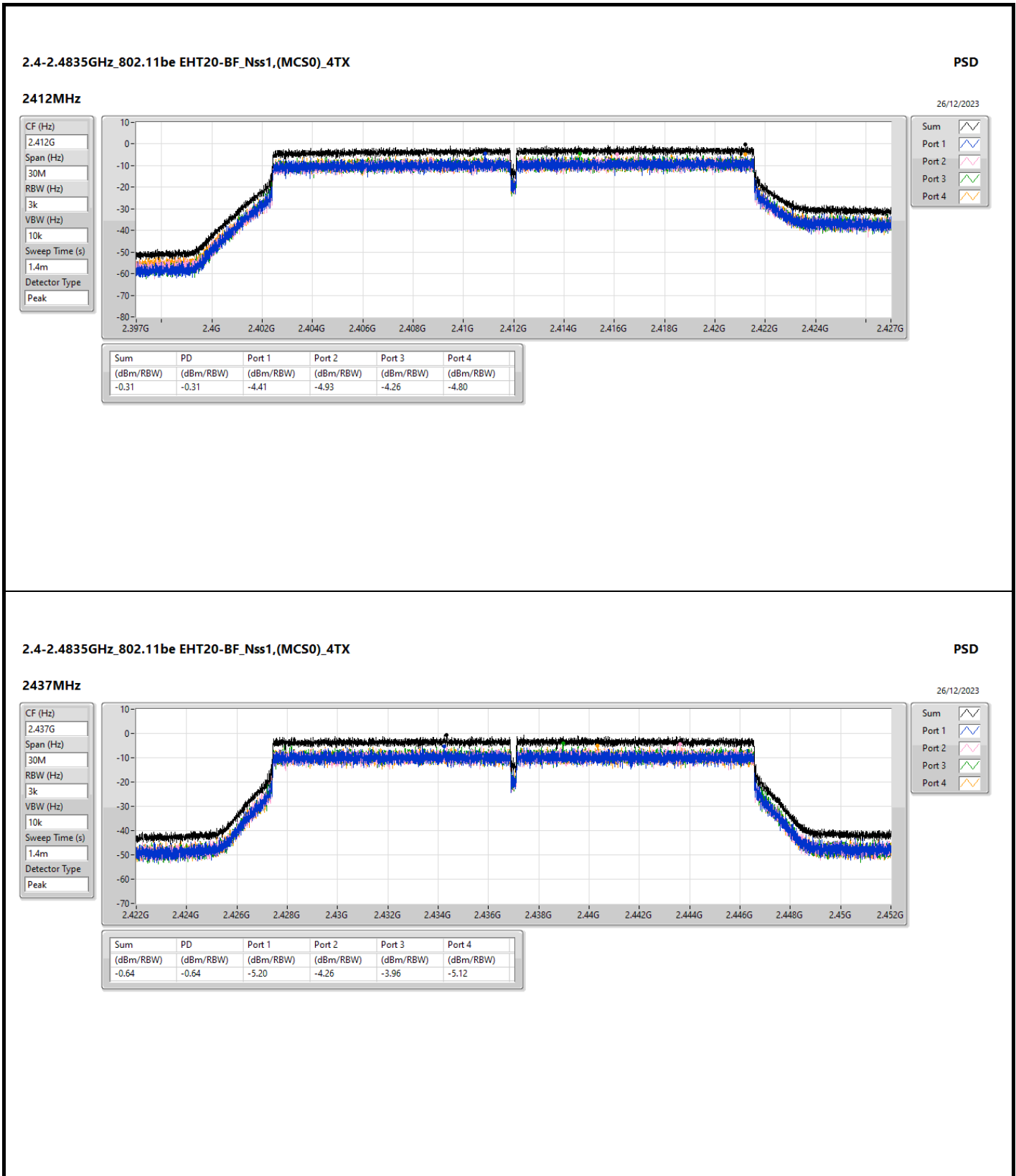
Port 2 

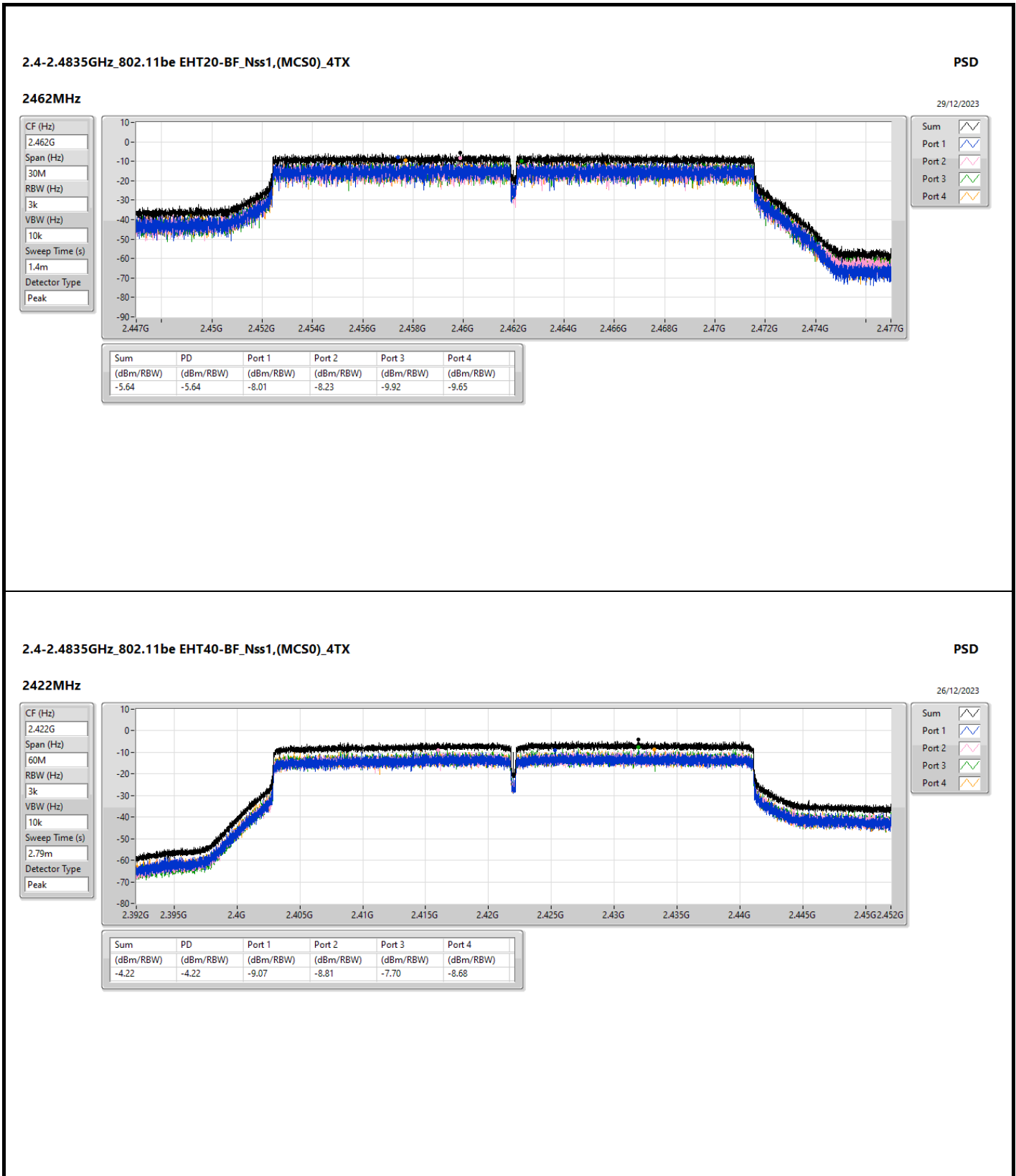
Port 3 

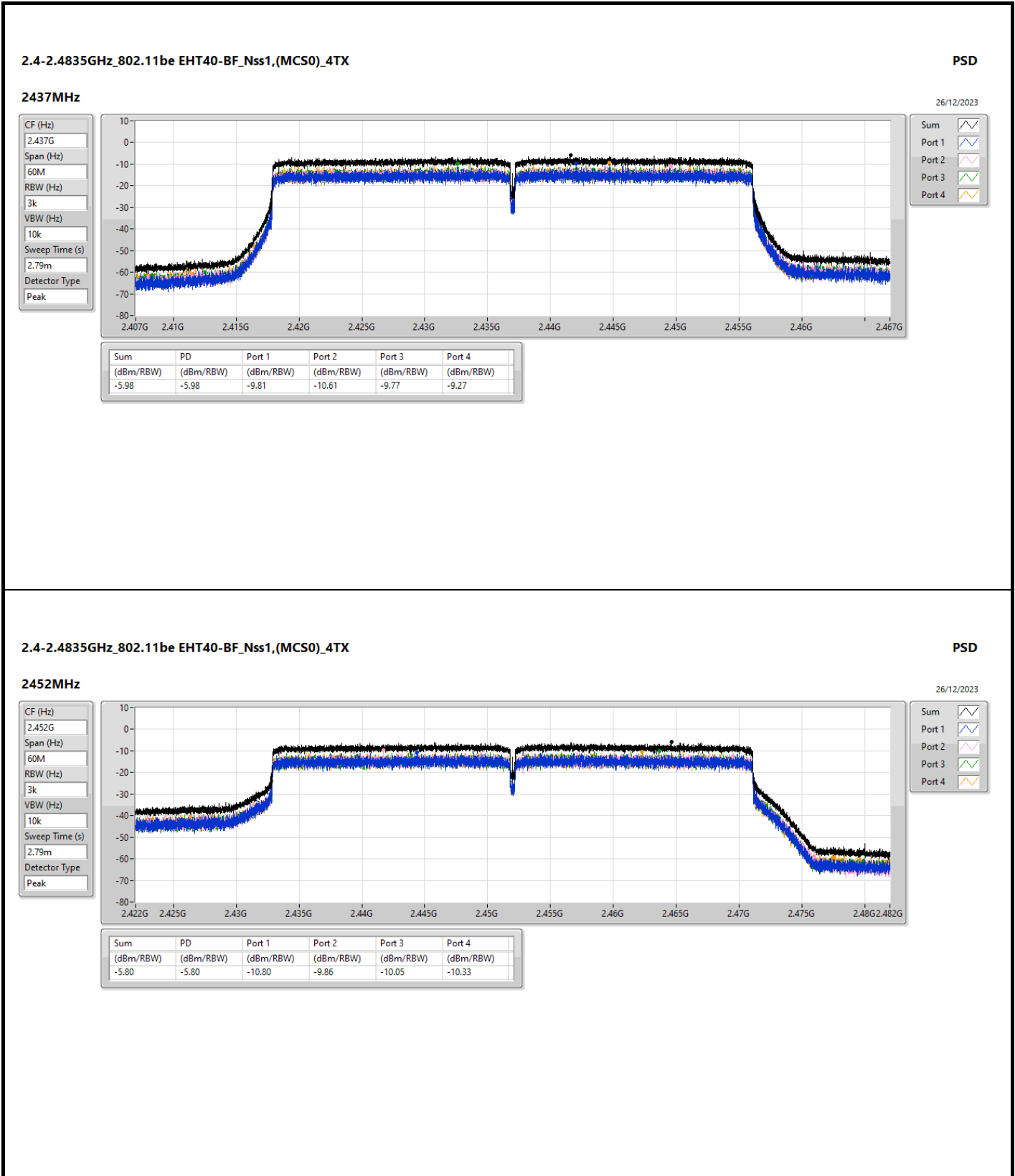
Port 4 

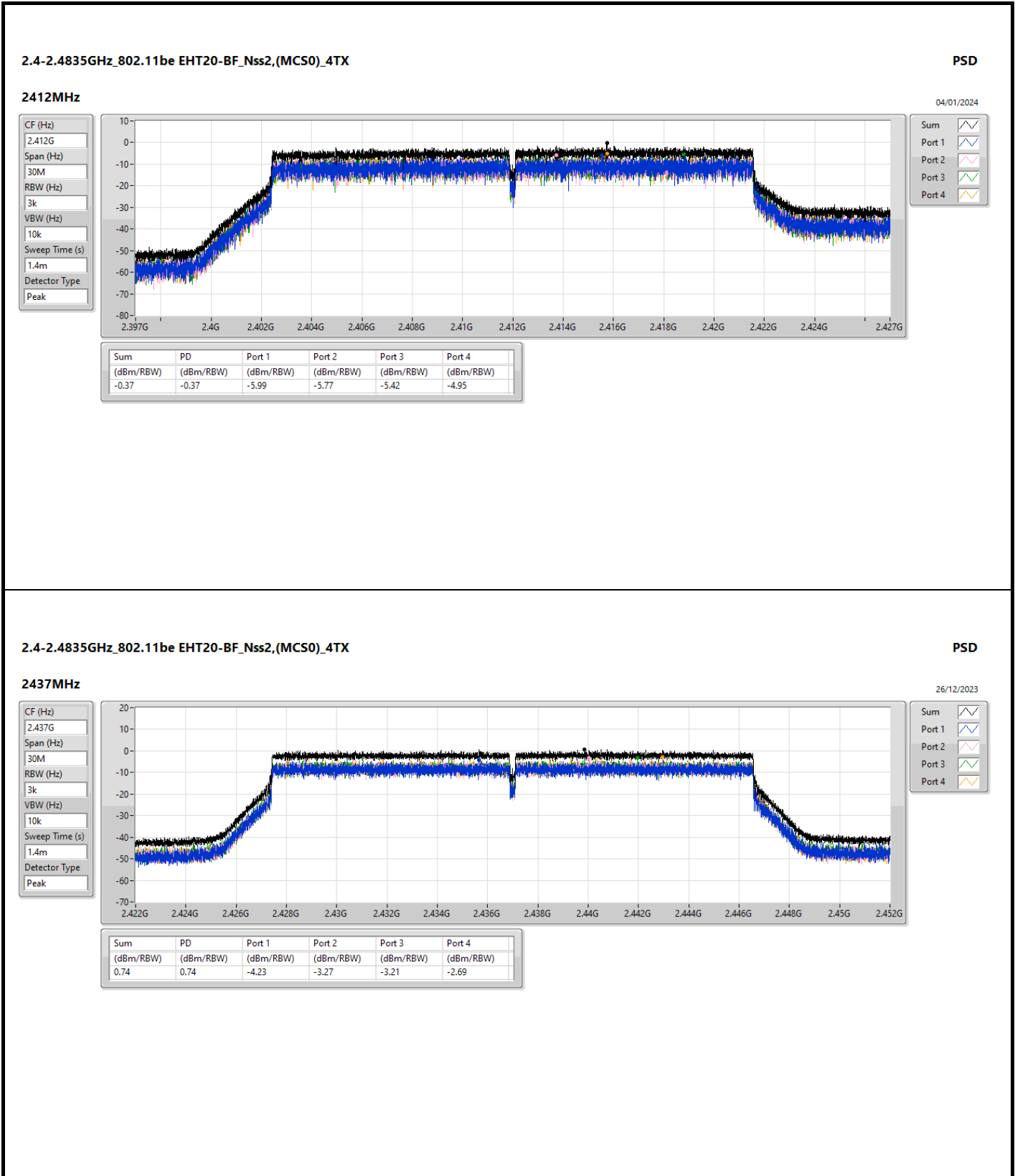
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.15	2.15	-2.06	-1.87	-2.22	-2.13

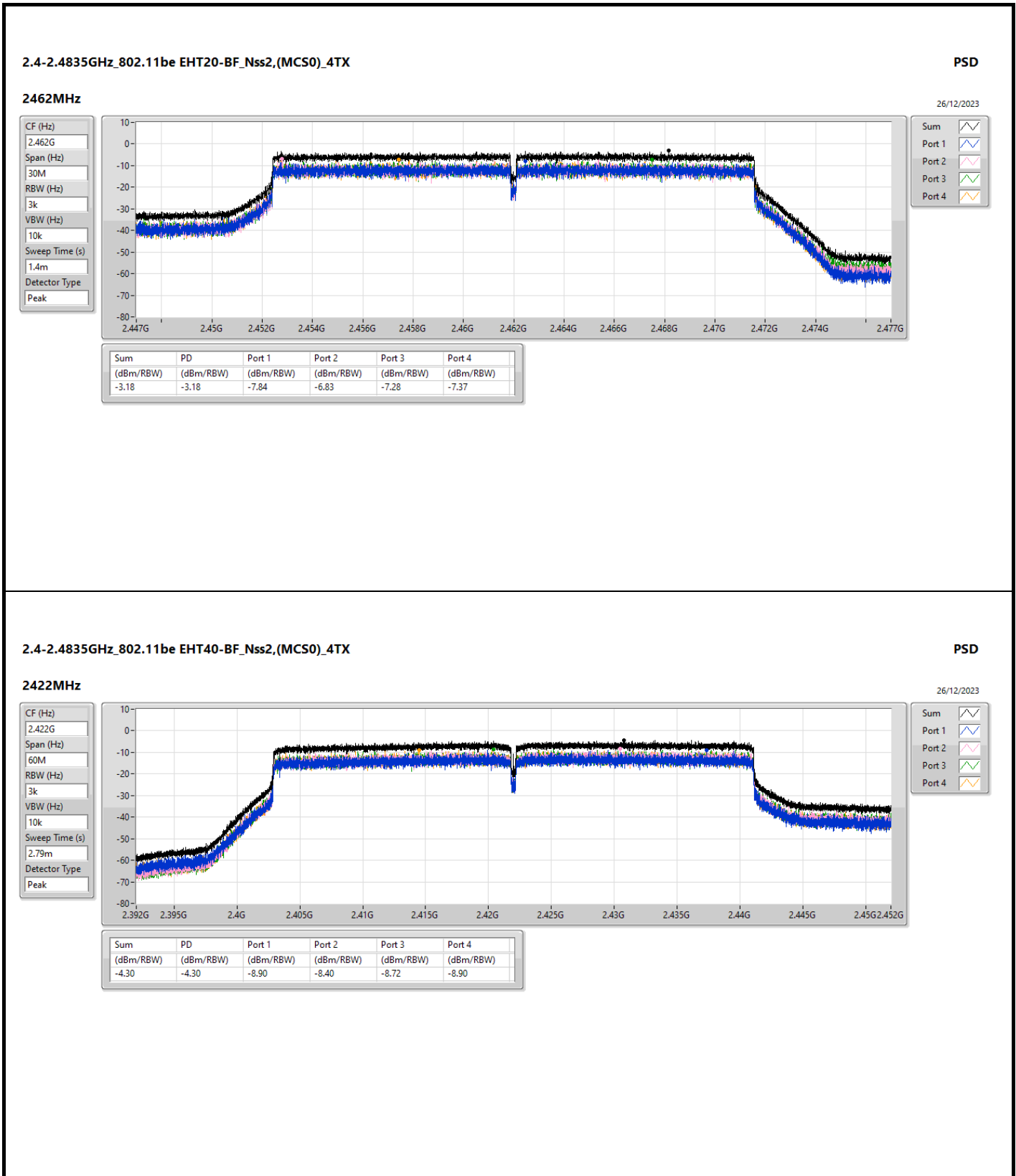


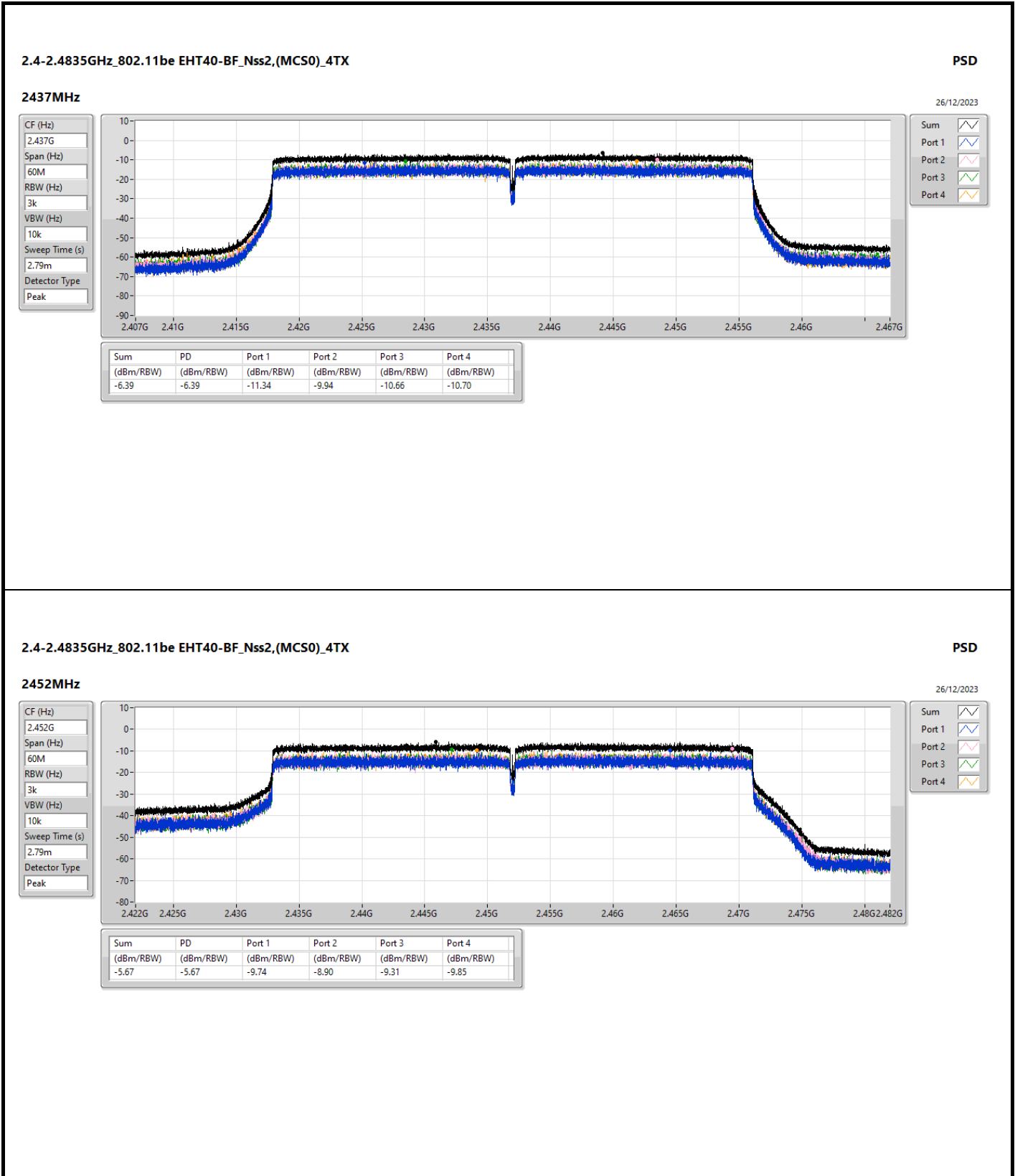














Summary

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)_4TX	Pass	2.46246G	16.66	-13.34	35.83M	-53.05	2.4G	-34.91	2.4G	-37.40	2.51526G	-53.66	7.23514G	-32.10	3
802.11g_Nss1,(6Mbps)_4TX	Pass	2.44192G	13.73	-16.27	2.19807G	-53.64	2.4G	-32.90	2.4G	-29.69	2.50534G	-53.10	7.23514G	-36.61	1
802.11be EHT20-BF_Nss1,(MCS0)_4TX	Pass	2.4319G	12.02	-17.98	2.16778G	-52.81	2.4G	-30.35	2.4G	-28.07	2.51606G	-53.57	7.23233G	-34.83	4
802.11be EHT20-BF_Nss2,(MCS0)_4TX	Pass	2.43073G	13.21	-16.79	33.5M	-52.47	2.4G	-29.33	2.4G	-28.24	2.50062G	-53.69	7.24357G	-37.55	4
802.11be EHT40-BF_Nss1,(MCS0)_4TX	Pass	2.42572G	7.49	-22.51	2.14138G	-53.37	2.39968G	-30.29	2.4G	-27.37	2.5531G	-53.56	7.24151G	-43.73	2
802.11be EHT40-BF_Nss2,(MCS0)_4TX	Pass	2.43691G	7.55	-22.45	2.30168G	-53.38	2.39984G	-28.70	2.4G	-27.92	2.5539G	-53.35	7.24712G	-43.21	4

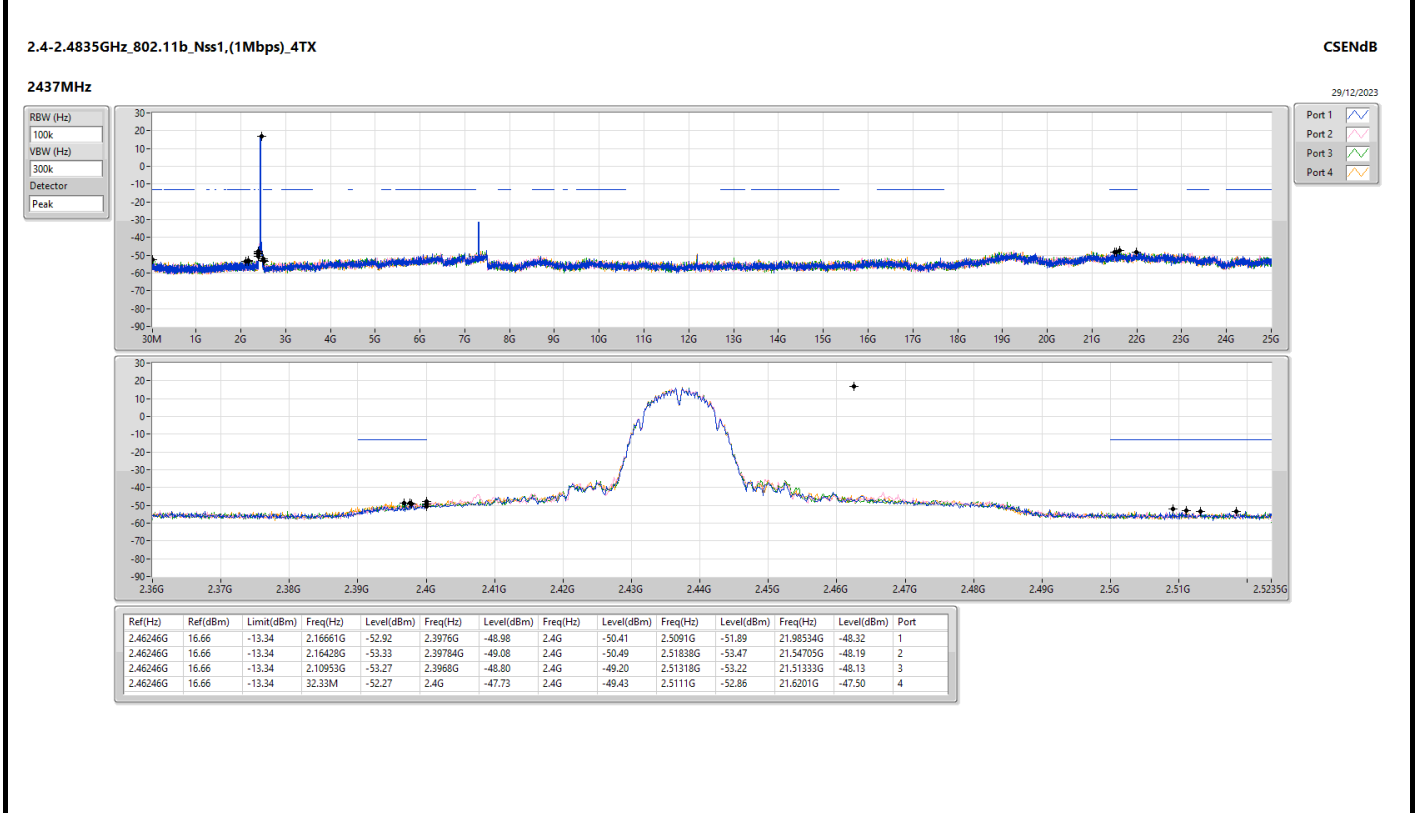
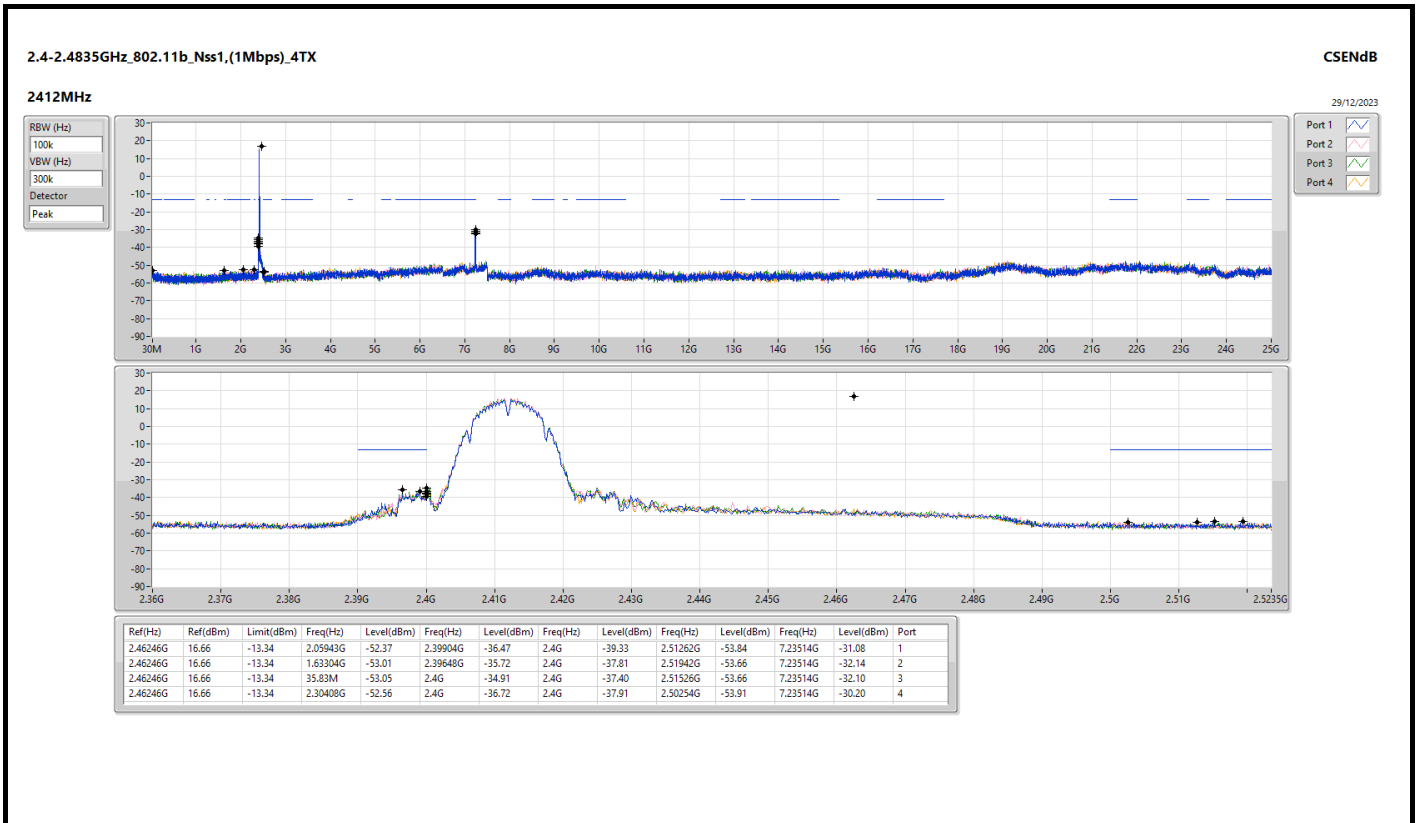


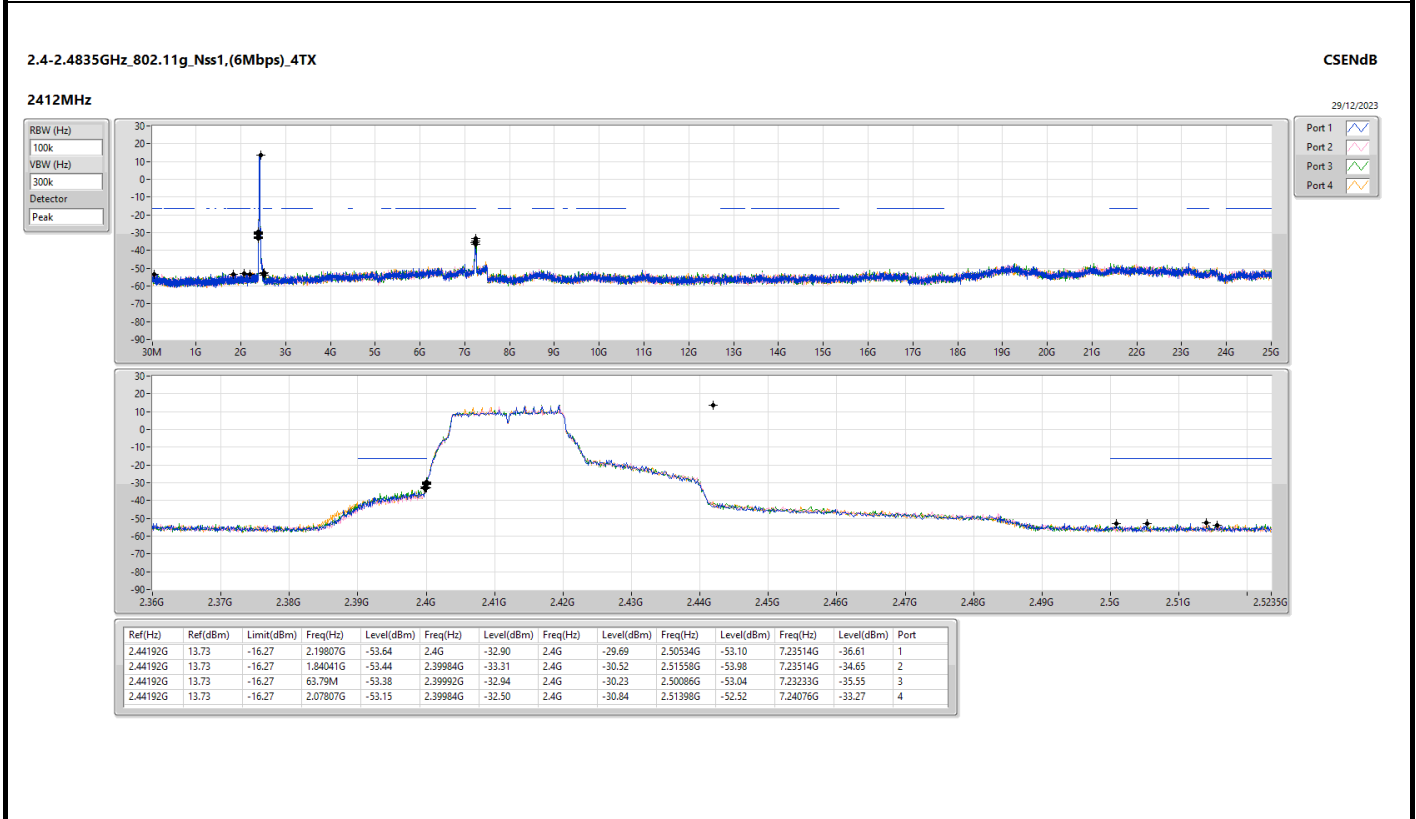
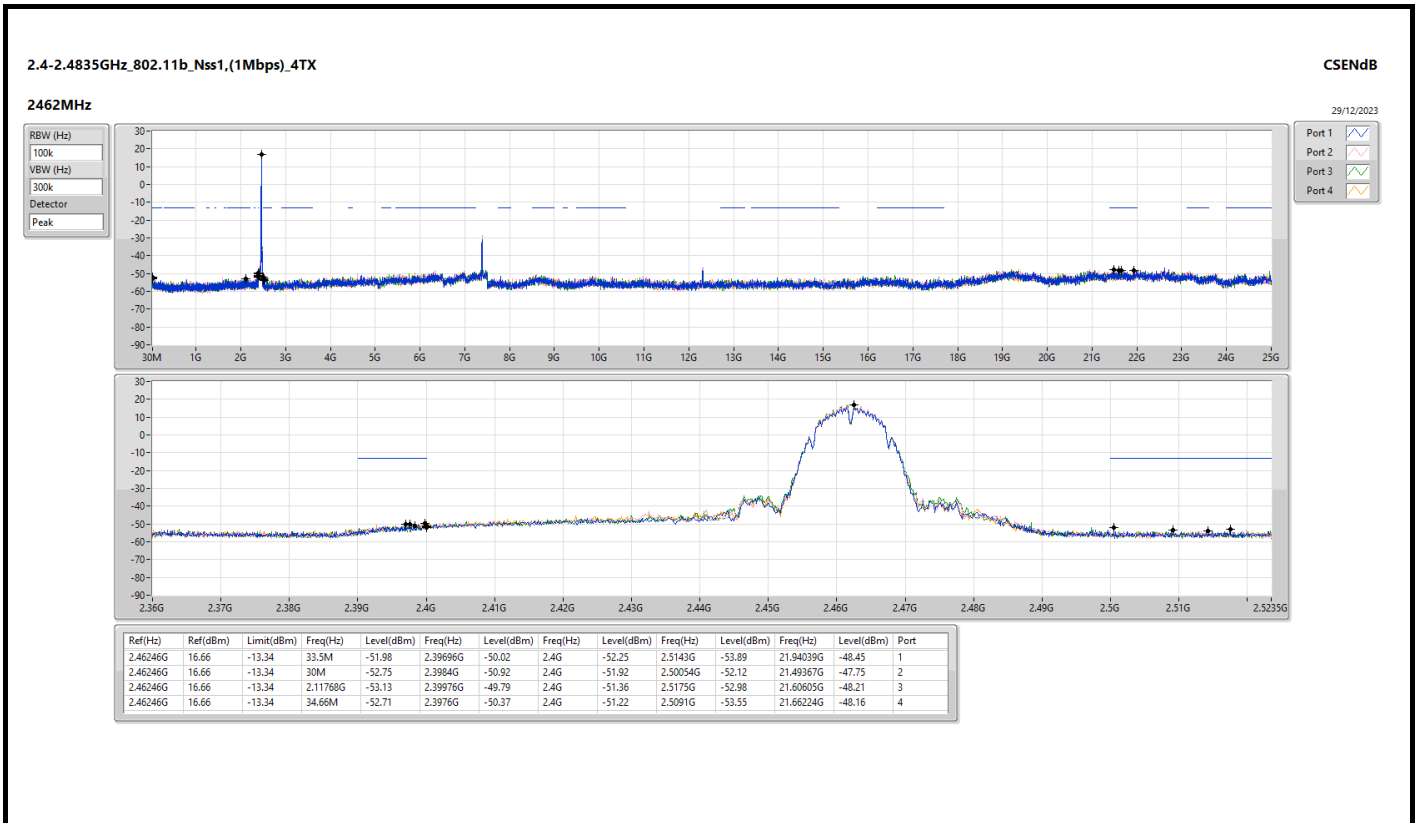
Result

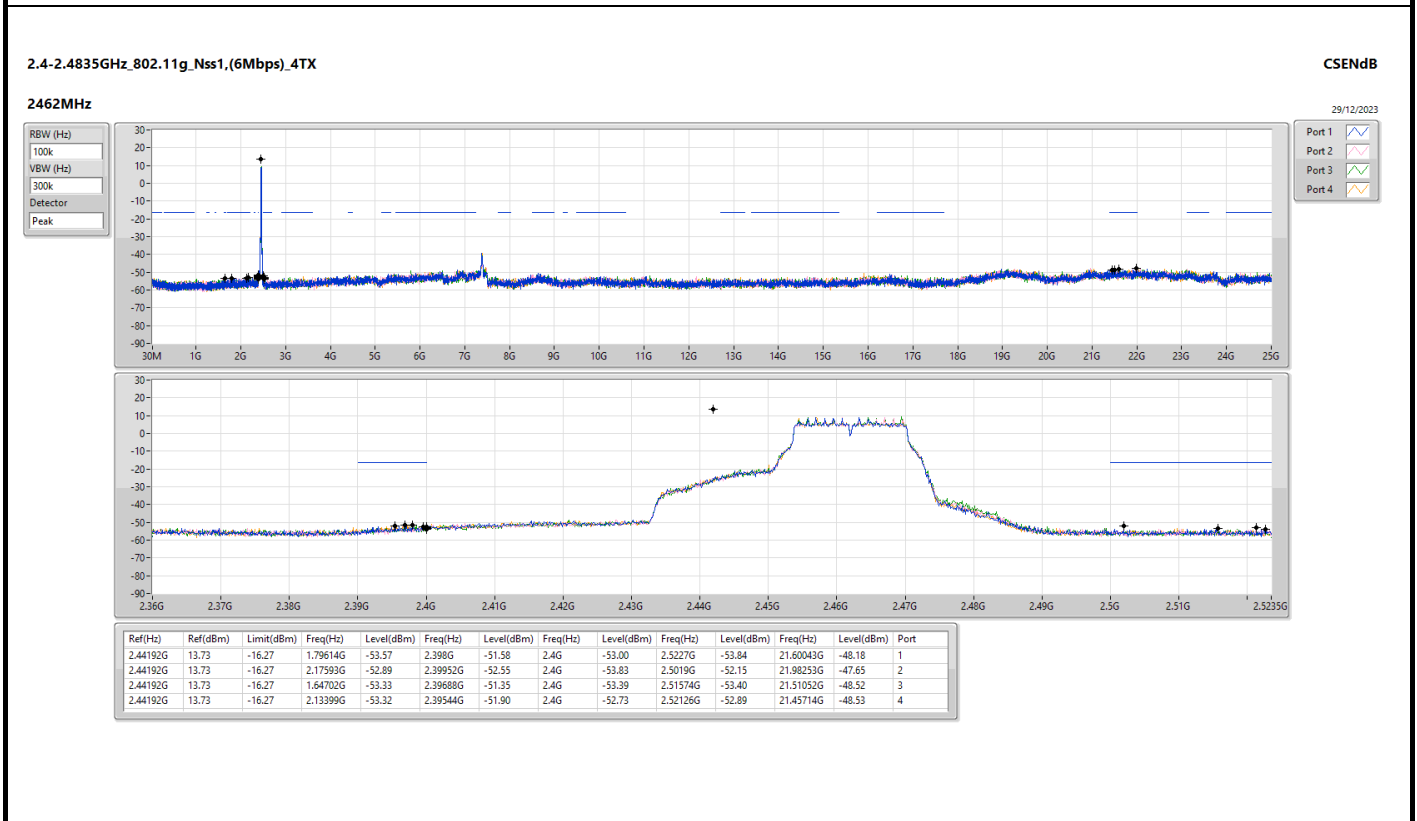
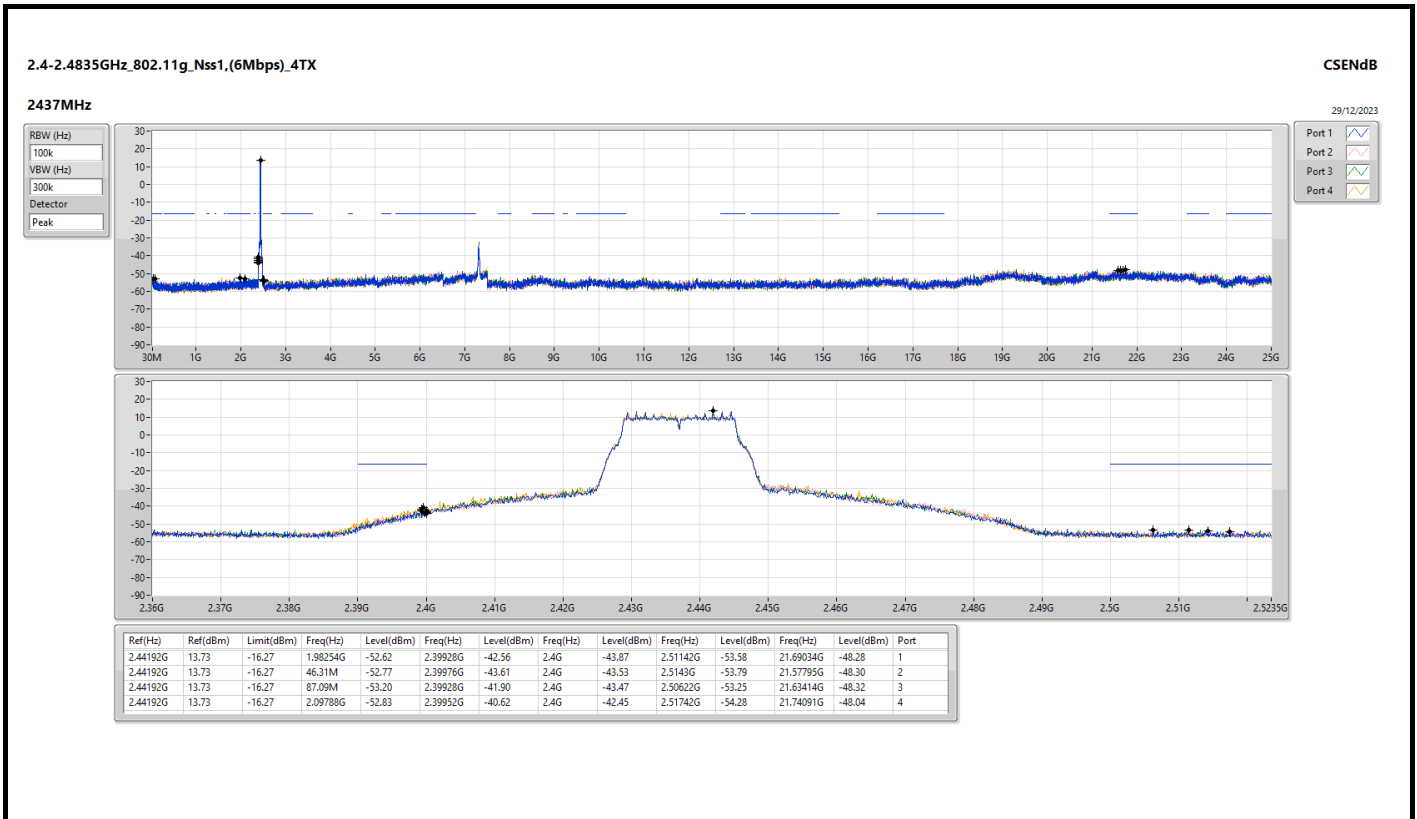
Table with 16 columns: Mode, Result, Ref (Hz), Ref (dBm), Limit (dBm), Freq (Hz), Level (dBm), Freq (Hz), Level (dBm), Freq (Hz), Level (dBm), Freq (Hz), Level (dBm), Freq (Hz), Level (dBm), Port. Rows include test configurations like 802.11b_Nss1(1Mbps)_4TX and 802.11g_Nss1(6Mbps)_4TX.

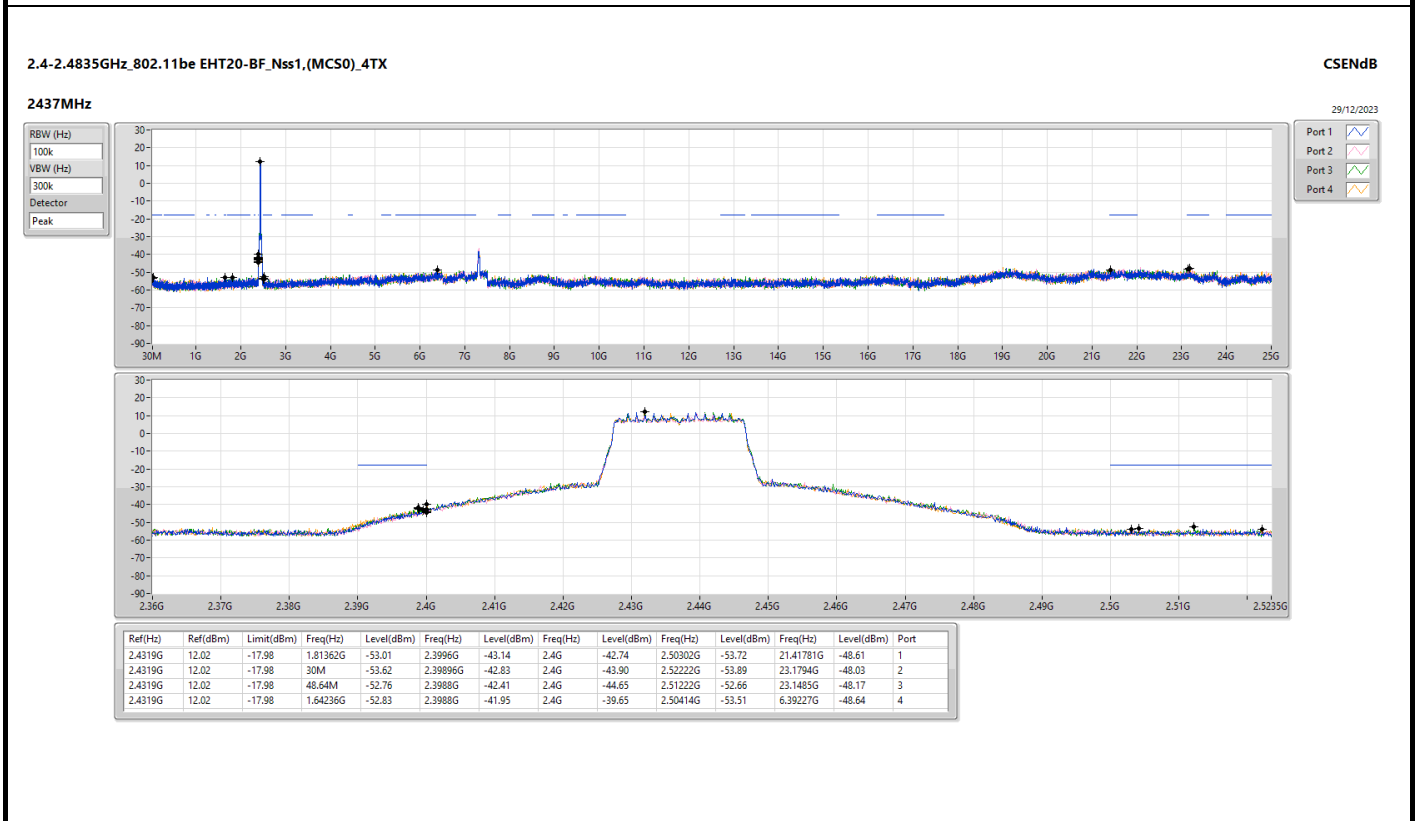
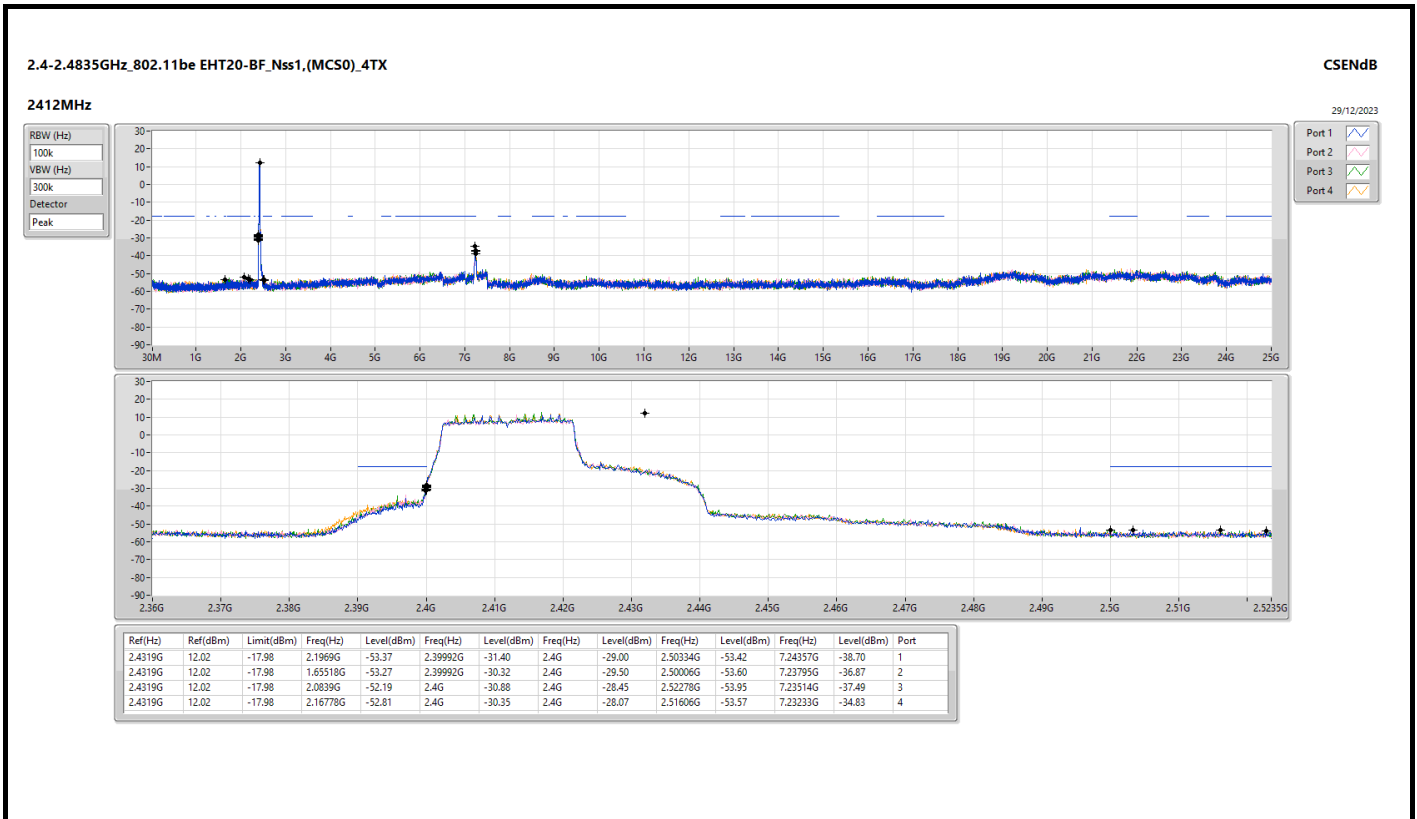


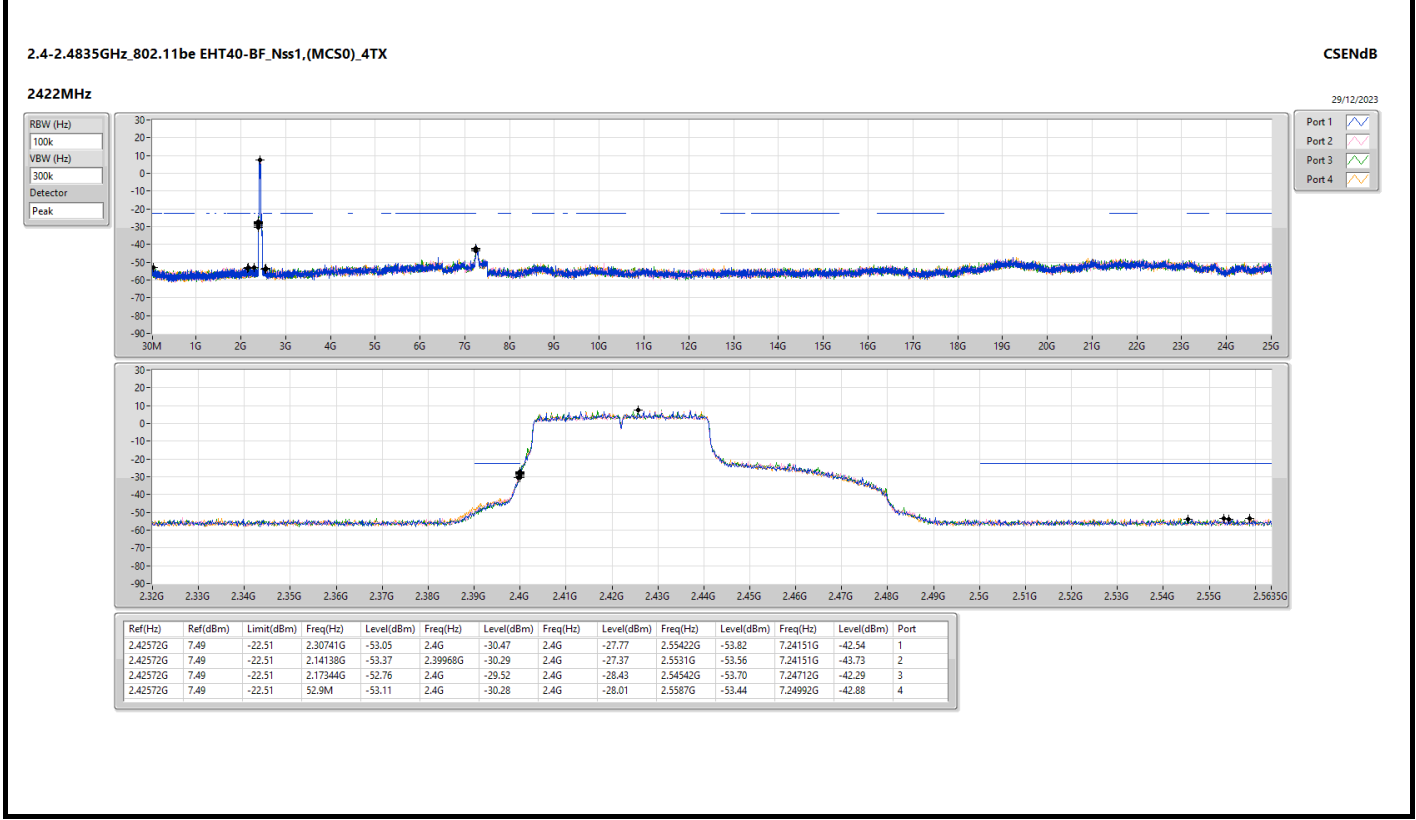
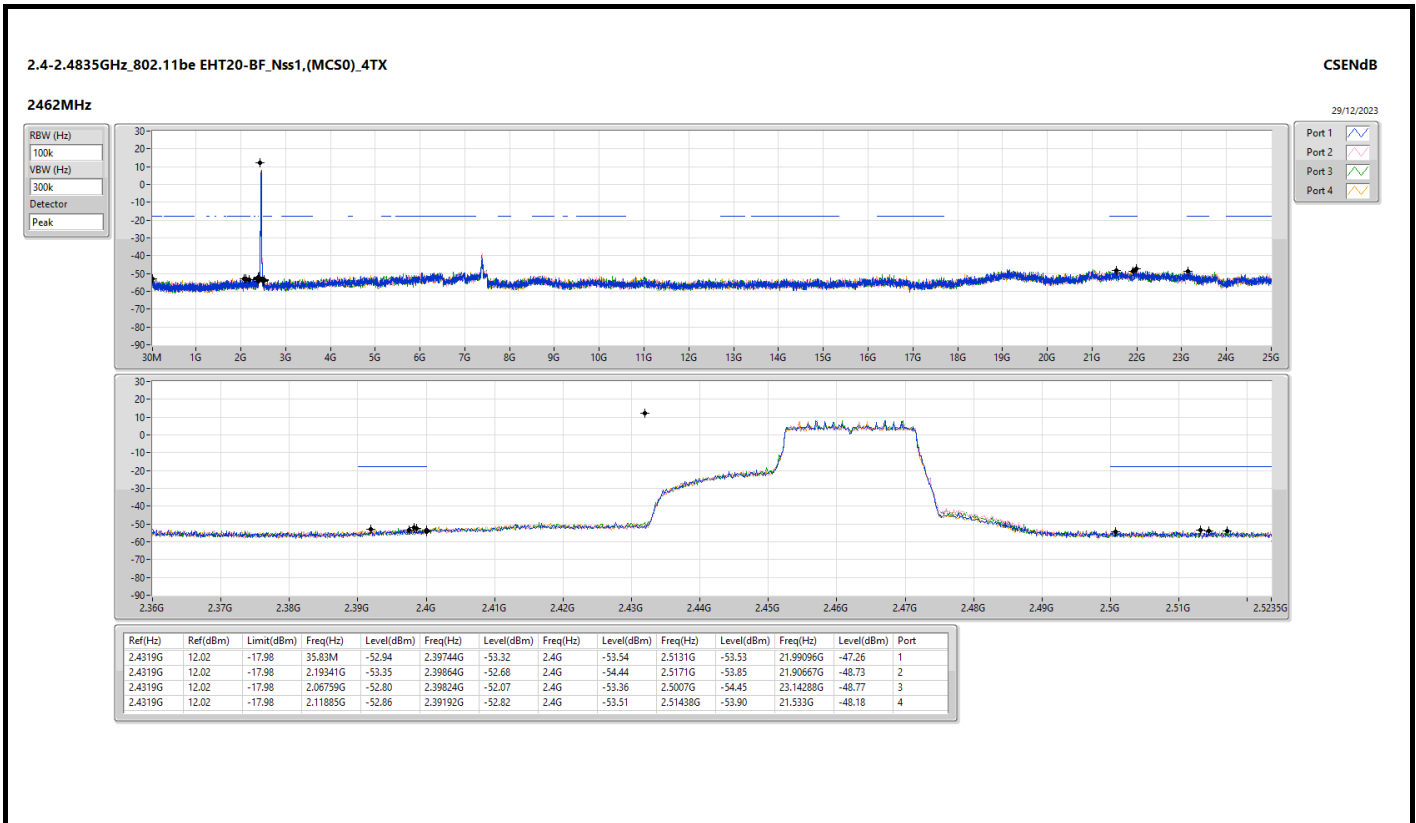
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2457MHz															
2462MHz	Pass	2.43073G	13.21	-16.79	1.90798G	-53.27	2.39912G	-51.89	2.4G	-52.15	2.50078G	-53.37	21.58919G	-49.04	1
2462MHz	Pass	2.43073G	13.21	-16.79	1.82294G	-53.06	2.39936G	-52.09	2.4G	-53.54	2.52254G	-52.19	6.98228G	-48.59	2
2462MHz	Pass	2.43073G	13.21	-16.79	61.46M	-52.89	2.39592G	-51.43	2.4G	-54.77	2.51086G	-54.53	6.9008G	-47.90	3
2462MHz	Pass	2.43073G	13.21	-16.79	2.01866G	-53.56	2.4G	-51.57	2.4G	-51.52	2.50478G	-53.28	21.43747G	-48.57	4
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43691G	7.55	-22.45	2.08184G	-52.99	2.4G	-30.16	2.4G	-29.15	2.50558G	-52.91	7.24992G	-43.94	1
2422MHz	Pass	2.43691G	7.55	-22.45	2.16428G	-53.04	2.4G	-30.57	2.4G	-28.01	2.51502G	-54.06	7.24712G	-44.45	2
2422MHz	Pass	2.43691G	7.55	-22.45	35.73M	-52.93	2.4G	-29.72	2.4G	-27.93	2.53326G	-53.76	7.24151G	-42.67	3
2422MHz	Pass	2.43691G	7.55	-22.45	2.30168G	-53.38	2.39984G	-28.70	2.4G	-27.92	2.5539G	-53.35	7.24712G	-43.21	4
2437MHz	Pass	2.43691G	7.55	-22.45	2.30054G	-52.84	2.39936G	-40.74	2.4G	-45.77	2.56286G	-53.20	21.66538G	-47.75	1
2437MHz	Pass	2.43691G	7.55	-22.45	1.78758G	-52.16	2.39856G	-41.32	2.4G	-45.50	2.55438G	-53.52	21.40736G	-47.27	2
2437MHz	Pass	2.43691G	7.55	-22.45	2.02803G	-53.26	2.3952G	-42.43	2.4G	-44.42	2.53326G	-53.89	21.71586G	-48.28	3
2437MHz	Pass	2.43691G	7.55	-22.45	2.17001G	-53.20	2.3952G	-40.75	2.4G	-47.02	2.53918G	-52.91	21.60087G	-48.89	4
2452MHz	Pass	2.43691G	7.55	-22.45	2.06467G	-53.26	2.39952G	-35.42	2.4G	-37.10	2.54782G	-53.51	21.73829G	-48.55	1
2452MHz	Pass	2.43691G	7.55	-22.45	2.16314G	-53.46	2.39888G	-36.52	2.4G	-37.23	2.55934G	-53.04	6.33283G	-48.07	2
2452MHz	Pass	2.43691G	7.55	-22.45	2.07154G	-53.20	2.39968G	-36.74	2.4G	-37.45	2.52366G	-53.25	21.97388G	-48.48	3
2452MHz	Pass	2.43691G	7.55	-22.45	2.07154G	-52.73	2.39952G	-35.94	2.4G	-36.25	2.55966G	-53.19	21.53637G	-48.66	4

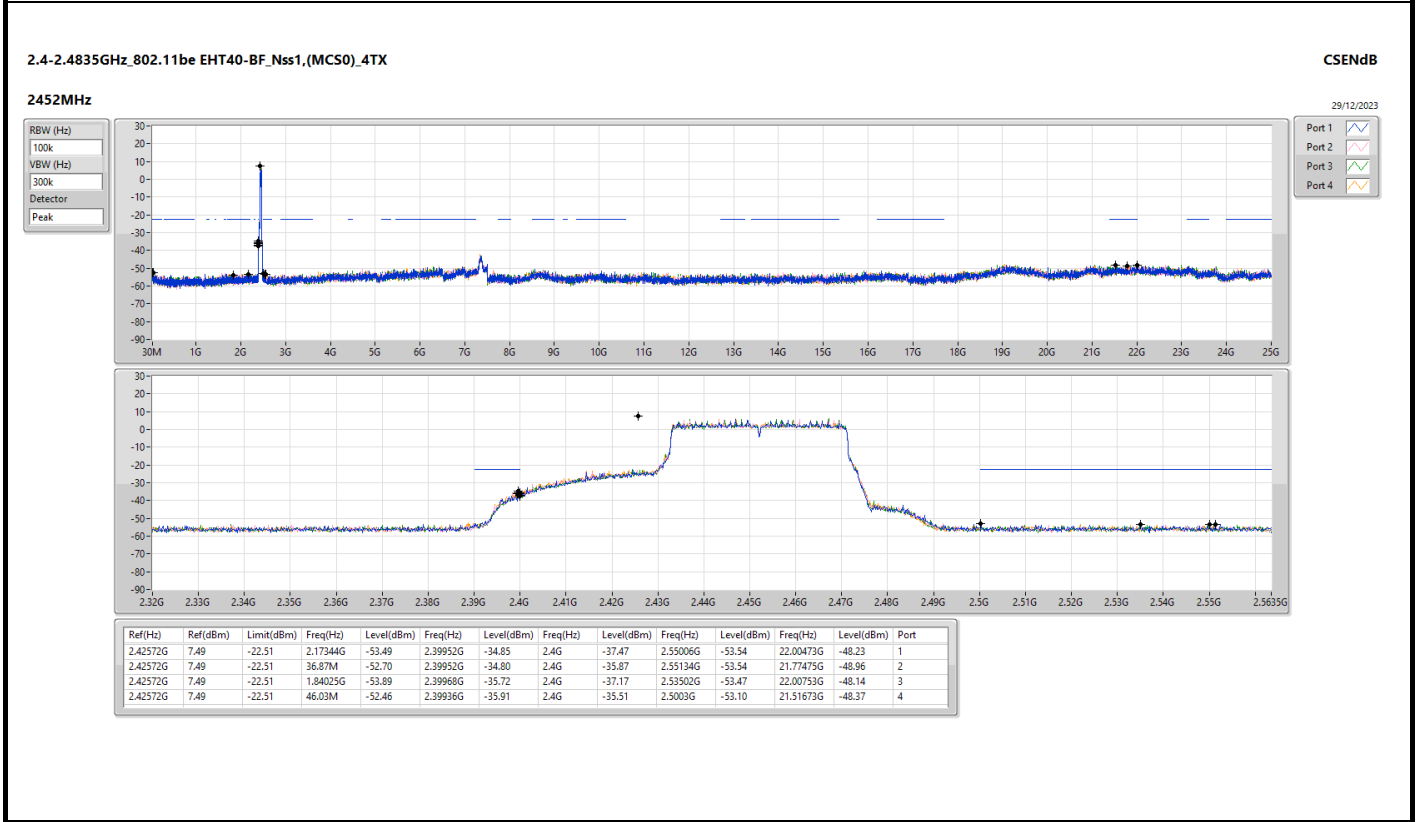
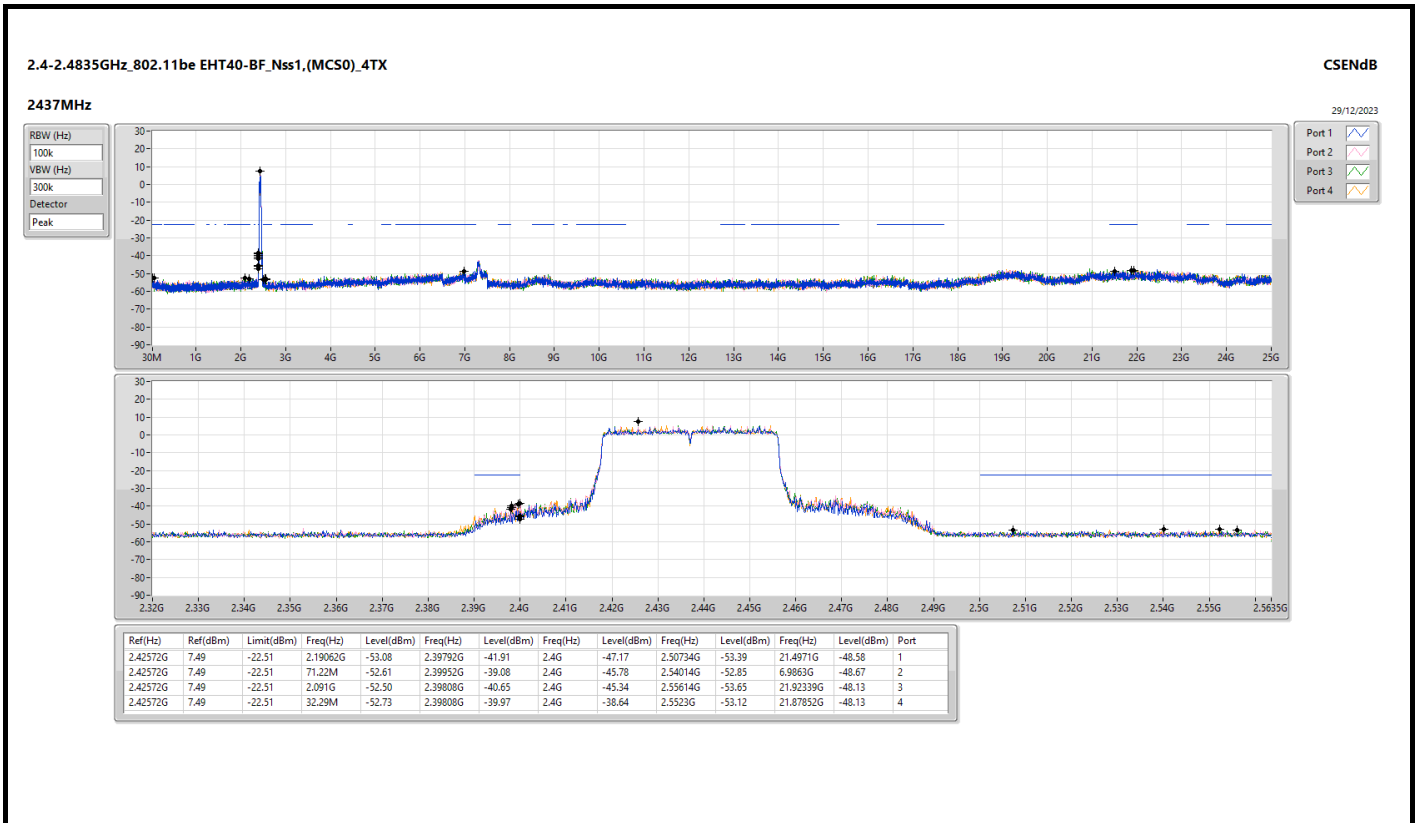


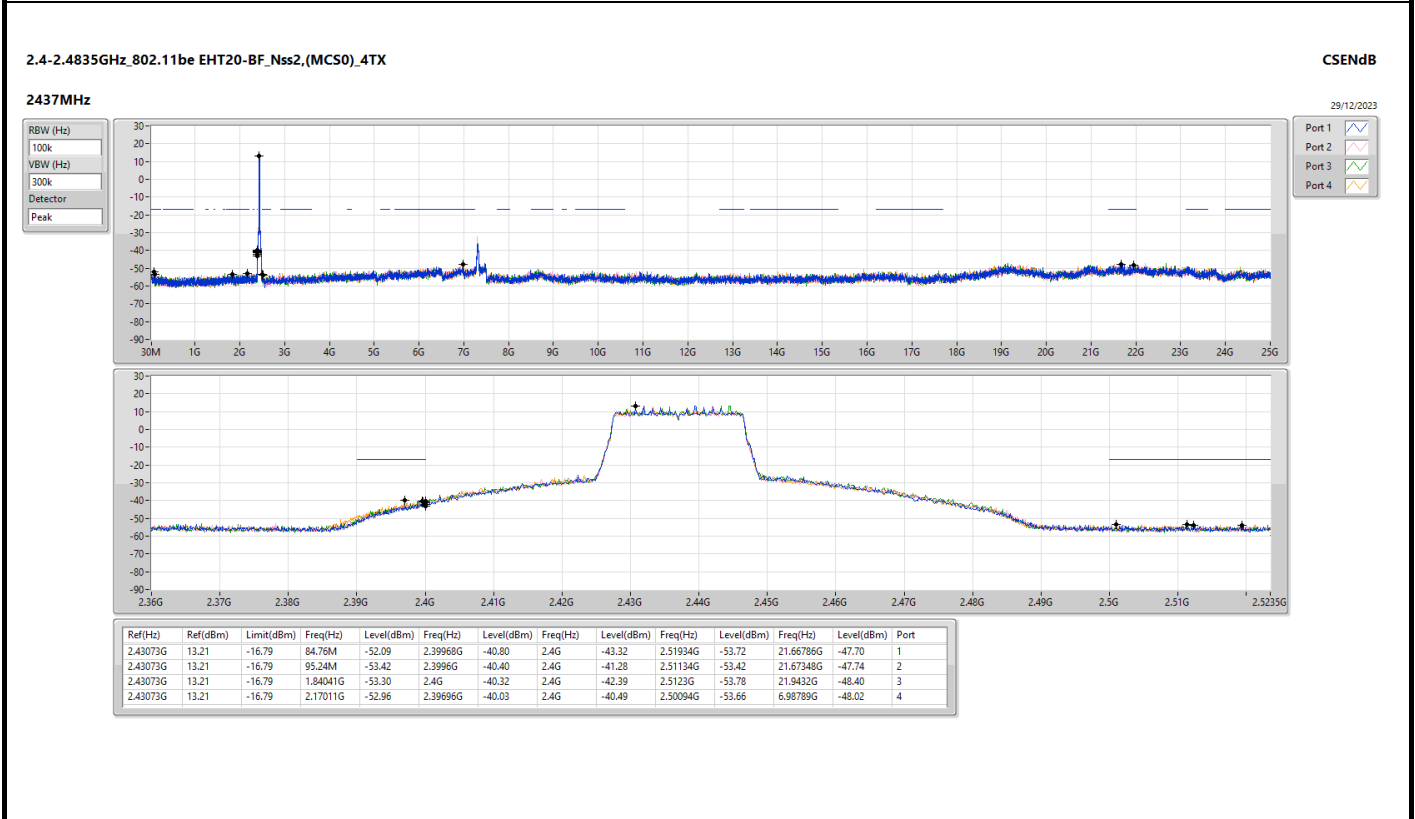
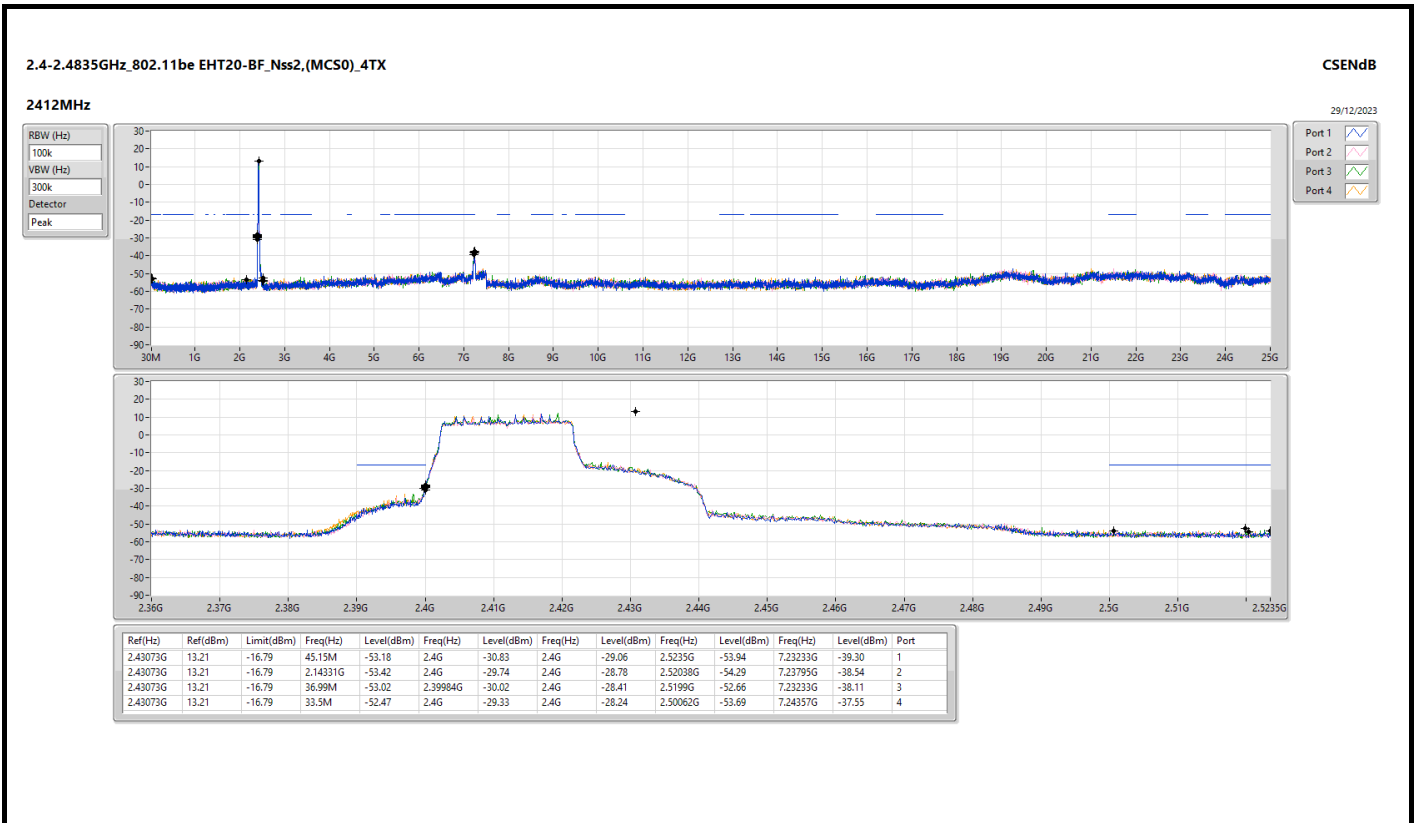


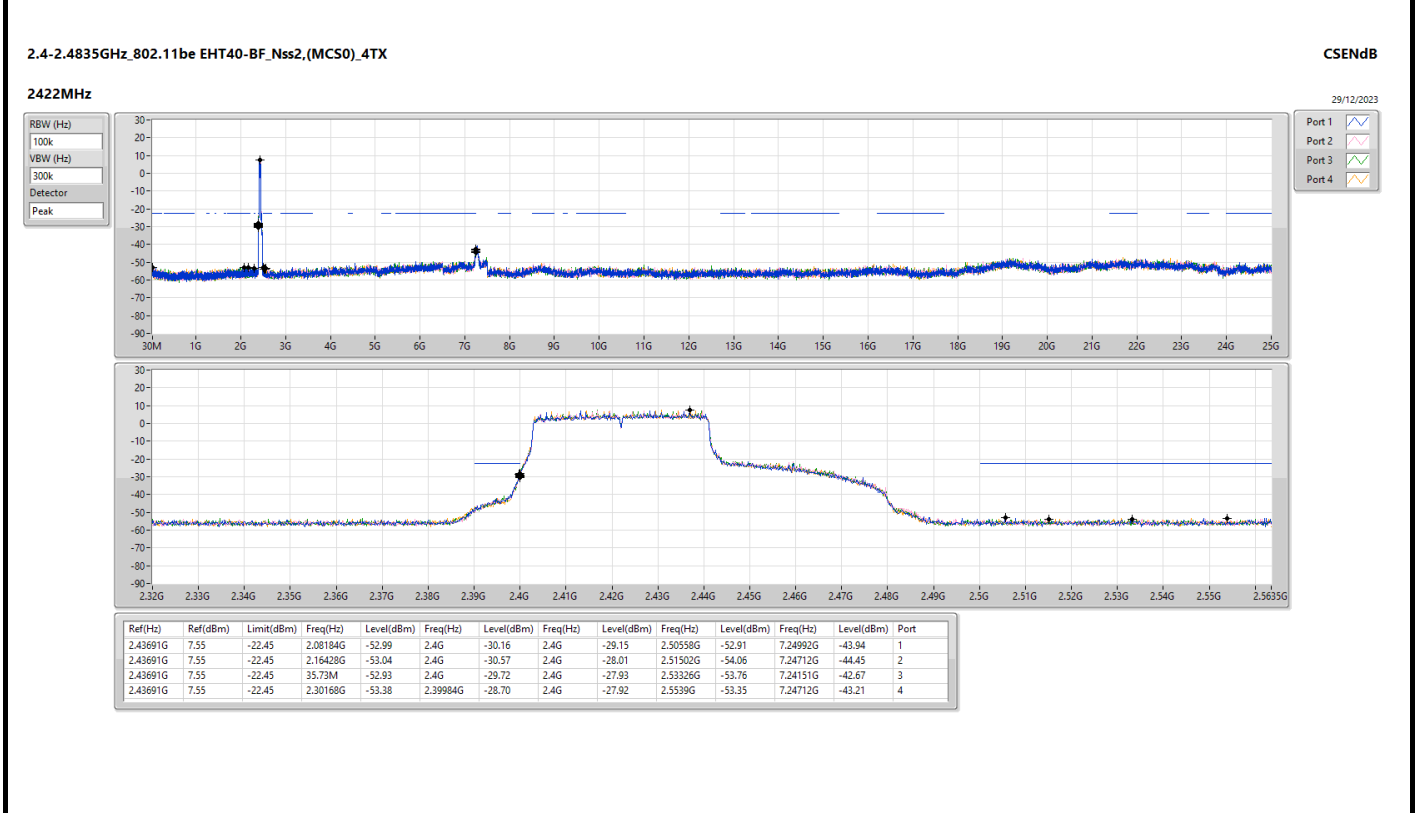
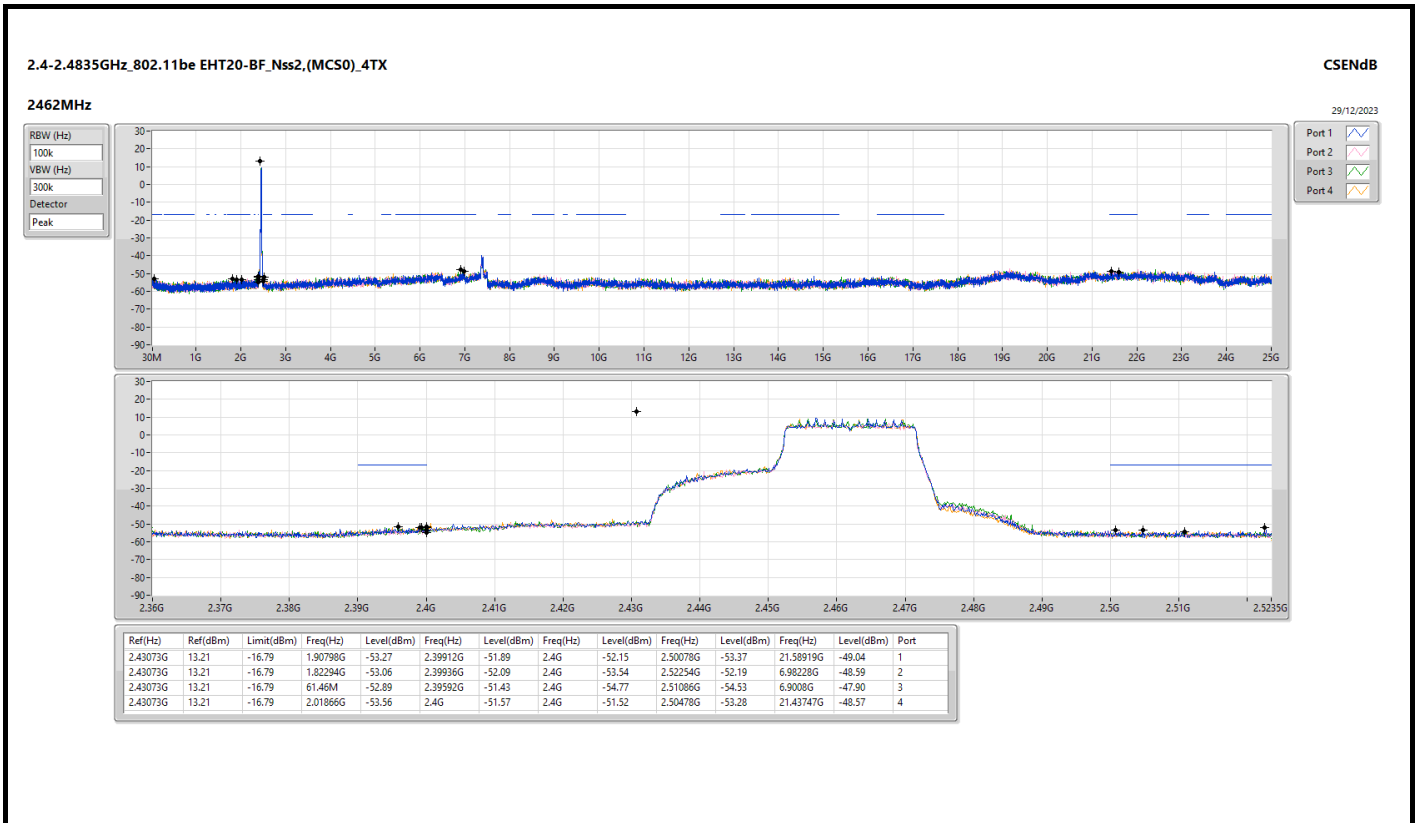


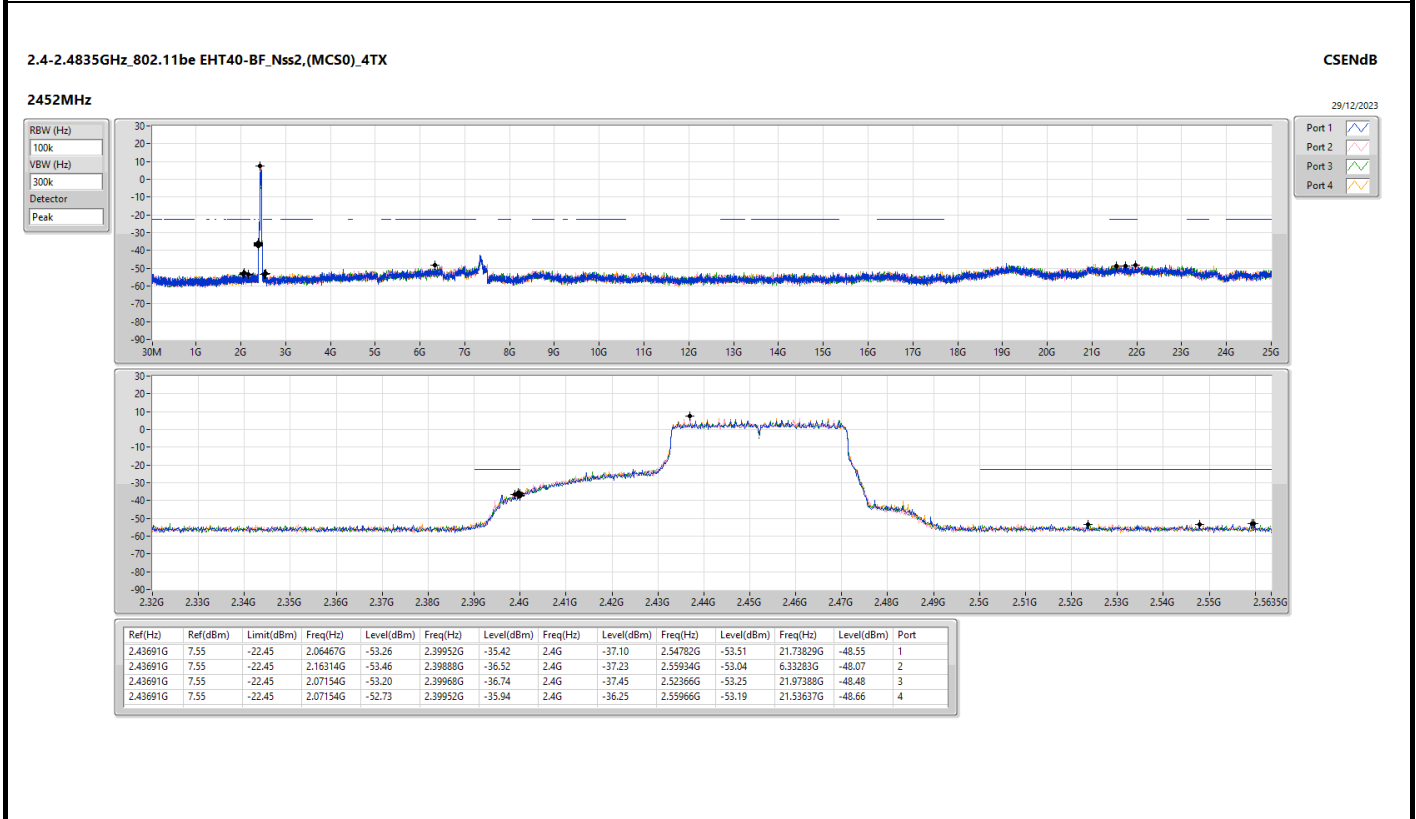
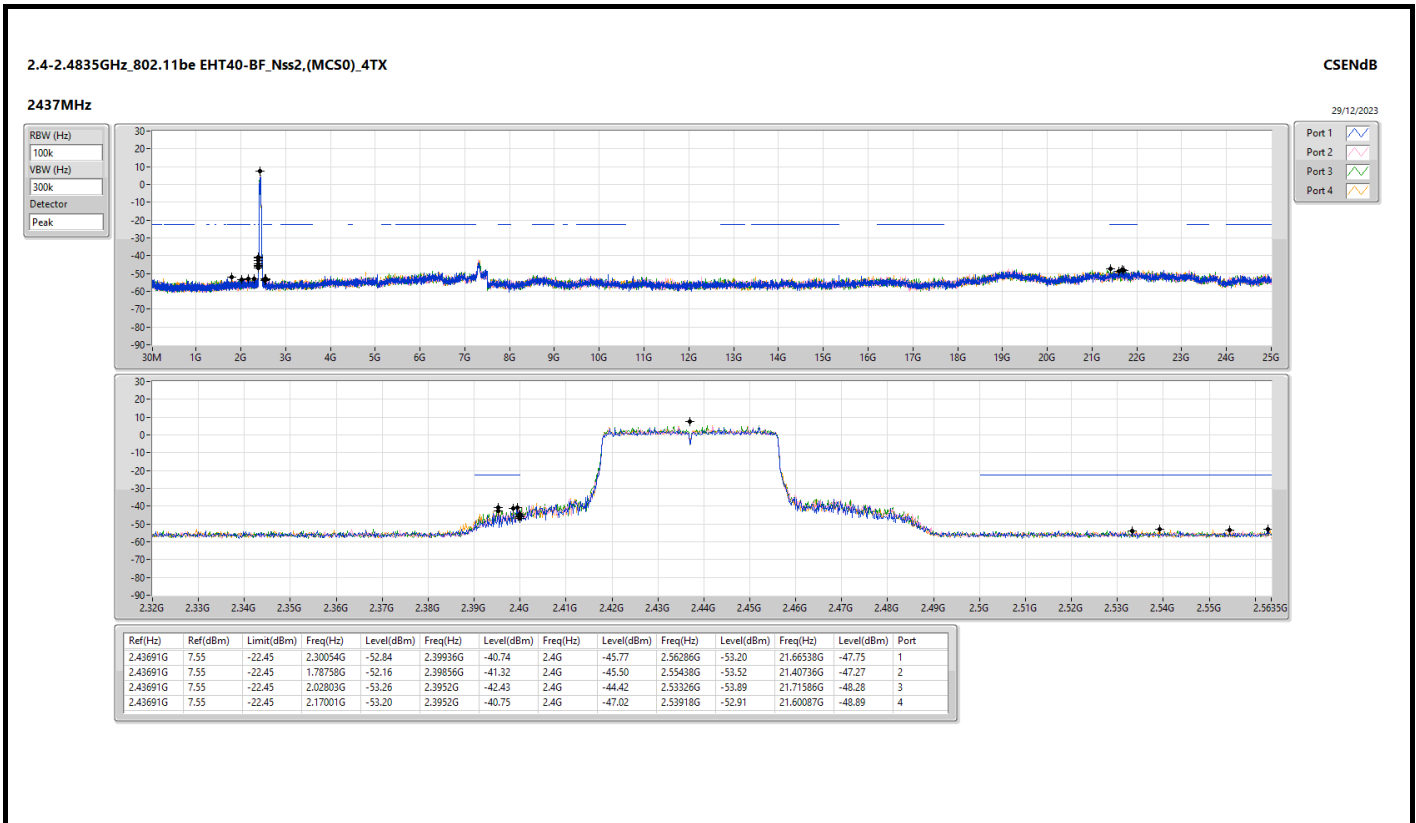










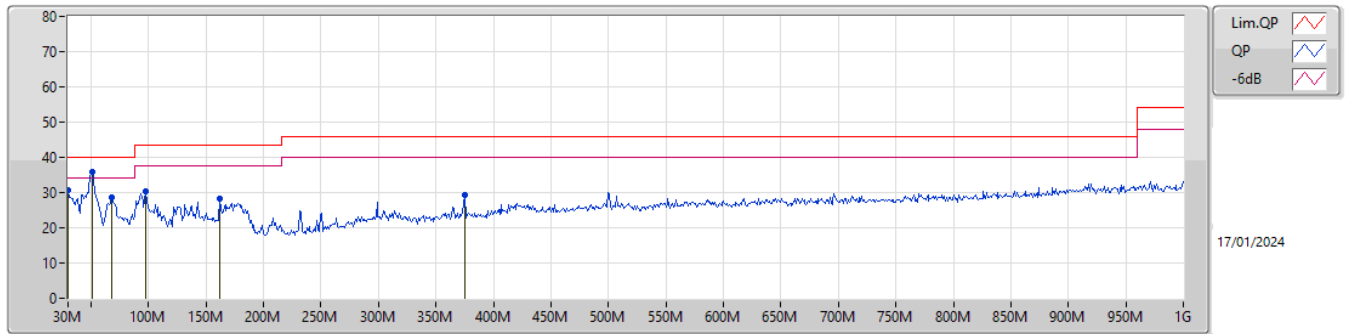




Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	PK	51.34M	35.96	40.00	-4.04	Vertical

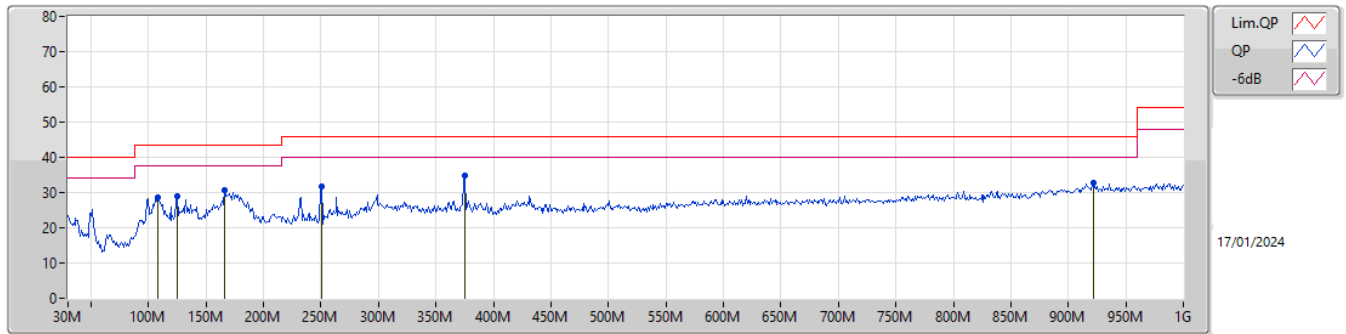
Mode 2



17/01/2024

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	30M	30.53	40.00	-9.47	-6.67	3	Vertical	345	1.00	-	37.20	24.11	0.76	31.54
PK	67.83M	28.75	40.00	-11.25	-18.12	3	Vertical	170	1.00	-	46.87	12.33	1.46	31.91
PK	97.9M	30.27	43.50	-13.23	-13.84	3	Vertical	235	1.00	-	44.11	16.39	1.74	31.97
PK	161.92M	28.37	43.50	-15.13	-13.93	3	Vertical	125	1.00	-	42.30	15.89	2.23	32.05
PK	375.32M	29.14	46.00	-16.86	-7.89	3	Vertical	253	1.50	-	37.03	20.72	3.56	32.17
PK	51.34M	35.96	40.00	-4.04	-16.96	3	Vertical	1	1.00	"Worst"	52.92	13.63	1.29	31.88

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	107.6M	28.64	43.50	-14.86	-12.42	3	Horizontal	118	1.50	-	41.06	17.72	1.82	31.96
PK	125.06M	28.98	43.50	-14.52	-11.90	3	Horizontal	346	1.50	-	40.88	18.11	1.97	31.98
PK	165.8M	30.53	43.50	-12.97	-14.02	3	Horizontal	131	1.00	-	44.55	15.76	2.26	32.04
PK	250.19M	31.86	46.00	-14.14	-10.93	3	Horizontal	353	1.50	-	42.79	18.28	2.83	32.04
PK	375.32M	34.94	46.00	-11.06	-7.89	3	Horizontal	214	1.00	"Worst"	42.83	20.72	3.56	32.17
PK	922.4M	32.63	46.00	-13.37	-0.19	3	Horizontal	325	1.50	-	32.82	26.40	5.90	32.49

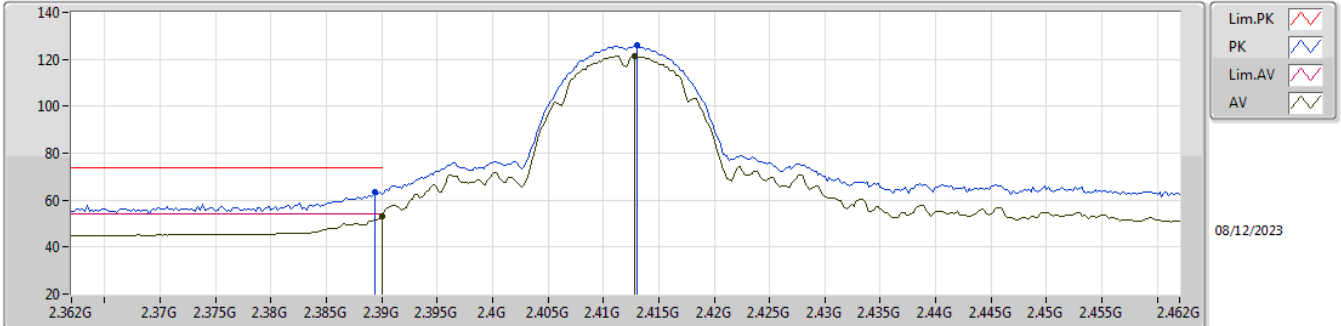


Summary

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_Nss2,(MCS0)_4TX	Pass	AV	2.4835G	53.97	54.00	-0.03	3	Vertical	184	1.93	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

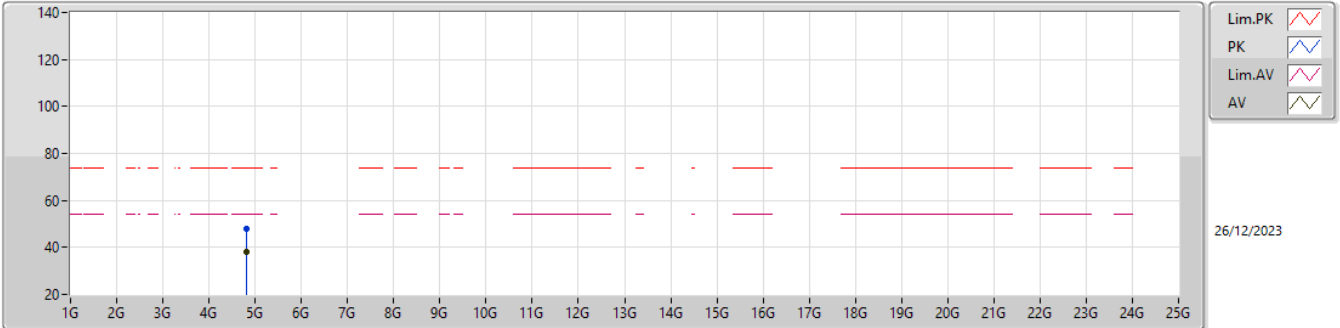


EUT_Z_4TX
Setting 104
06-D-5-4

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	2.3894G	63.62	74.00	-10.38	31.21	3	Vertical	176	2.73	-	27.70	4.71	-
AV	2.39G	53.23	54.00	-0.77	20.82	3	Vertical	176	2.73	-	27.70	4.71	-
PK	2.413G	125.88	Inf	-Inf	93.55	3	Vertical	176	2.73	-	27.60	4.73	-
AV	2.4128G	121.50	Inf	-Inf	89.17	3	Vertical	176	2.73	-	27.60	4.73	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

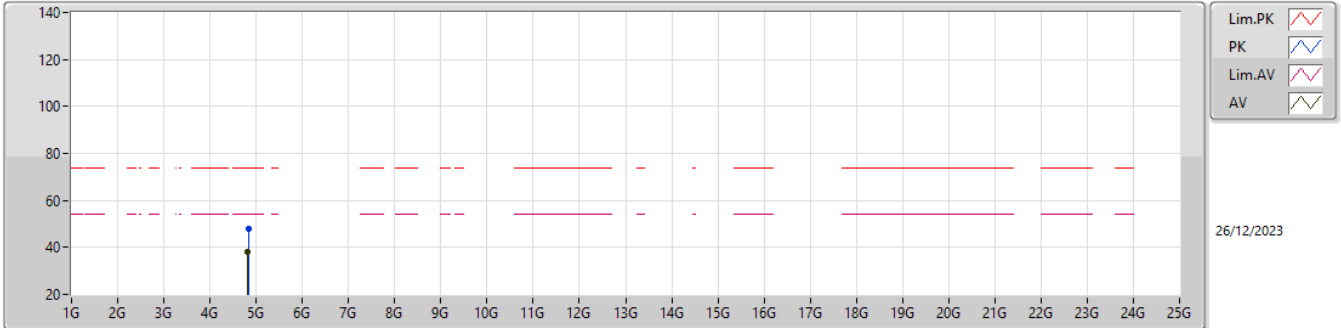


EUT_Z_4TX
Setting 104
03-R-A-4

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	4.8244G	47.95	74.00	-26.05	43.23	3	Vertical	360	1.80	-	33.40	6.01	34.69
AV	4.82392G	38.28	54.00	-15.72	33.56	3	Vertical	360	1.80	-	33.40	6.01	34.69

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

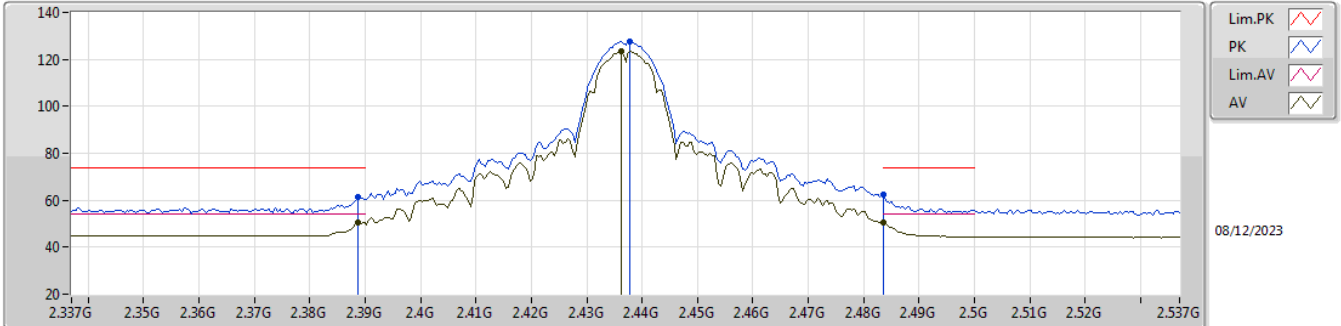


EUT_Z_4TX
Setting 104
03-R-A-4

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	4.82834G	48.17	74.00	-25.83	43.46	3	Horizontal	76	1.00	-	33.40	6.01	34.70
AV	4.82398G	38.18	54.00	-15.82	33.46	3	Horizontal	76	1.00	-	33.40	6.01	34.69

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

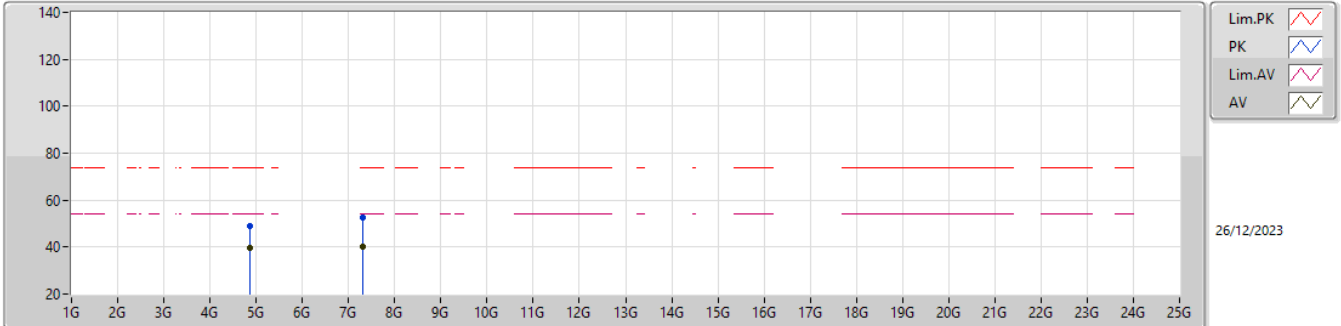


EUT_Z_4TX
 Setting 108
 06-D-S-4

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	61.30	74.00	-12.70	28.89	3	Vertical	174	2.56	-	27.70	4.71	-
AV	2.3886G	50.46	54.00	-3.54	18.05	3	Vertical	174	2.56	-	27.70	4.71	-
PK	2.4378G	127.66	Inf	-Inf	95.41	3	Vertical	174	2.56	-	27.50	4.75	-
AV	2.4362G	123.35	Inf	-Inf	91.10	3	Vertical	174	2.56	-	27.50	4.75	-
PK	2.4835G	62.17	74.00	-11.83	29.97	3	Vertical	174	2.56	-	27.40	4.80	-
AV	2.4835G	50.72	54.00	-3.28	18.52	3	Vertical	174	2.56	-	27.40	4.80	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

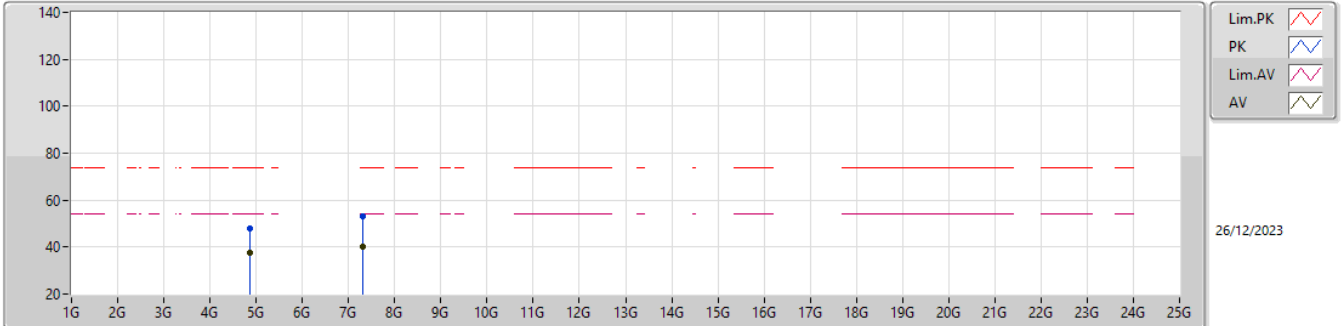


EUT_Z_4TX
Setting 108
03-R-A-4

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	4.87376G	49.02	74.00	-24.98	44.13	3	Vertical	357	1.60	-	33.54	6.08	34.73
AV	4.87394G	39.69	54.00	-14.31	34.80	3	Vertical	357	1.60	-	33.54	6.08	34.73
PK	7.30954G	52.60	74.00	-21.40	43.50	3	Vertical	229	2.30	-	36.82	7.66	35.38
AV	7.30988G	40.06	54.00	-13.94	30.96	3	Vertical	229	2.30	-	36.82	7.66	35.38

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

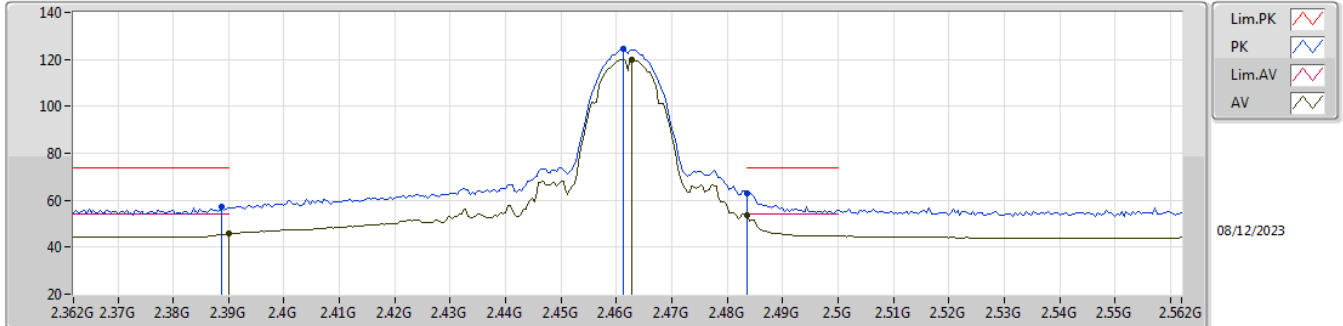


EUT_Z_4TX
 Setting 108
 03-R-A-4

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	4.87384G	47.96	74.00	-26.04	43.07	3	Horizontal	79	2.99	-	33.54	6.08	34.73
AV	4.87392G	37.46	54.00	-16.54	32.57	3	Horizontal	79	2.99	-	33.54	6.08	34.73
PK	7.31006G	53.04	74.00	-20.96	43.94	3	Horizontal	323	1.25	-	36.82	7.66	35.38
AV	7.30964G	40.22	54.00	-13.78	31.12	3	Horizontal	323	1.25	-	36.82	7.66	35.38

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

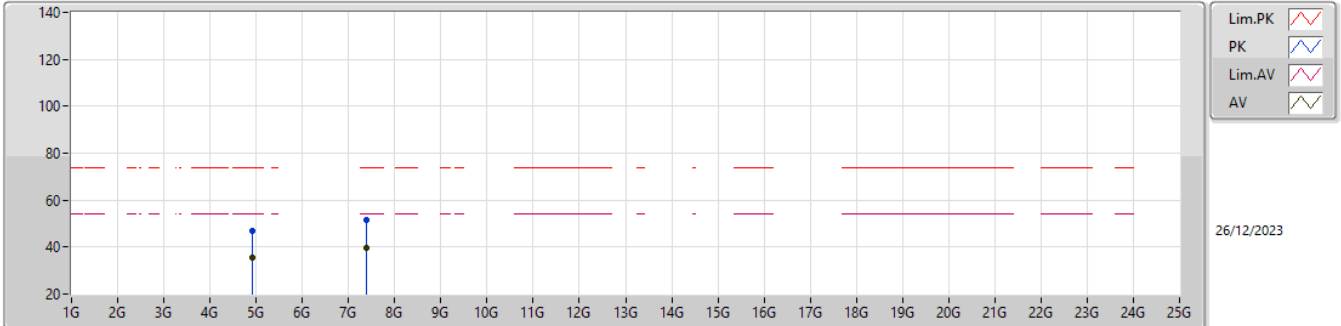


EUT_Z_4TX
Setting 95
06-D-S-4

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	2.3888G	57.45	74.00	-16.55	25.04	3	Vertical	173	2.44	-	27.70	4.71	-
AV	2.39G	45.75	54.00	-8.25	13.34	3	Vertical	173	2.44	-	27.70	4.71	-
PK	2.4612G	124.23	Inf	-Inf	92.05	3	Vertical	173	2.44	-	27.40	4.78	-
AV	2.4628G	120.07	Inf	-Inf	87.89	3	Vertical	173	2.44	-	27.40	4.78	-
PK	2.4835G	62.81	74.00	-11.19	30.61	3	Vertical	173	2.44	-	27.40	4.80	-
AV	2.4835G	53.39	54.00	-0.61	21.19	3	Vertical	173	2.44	-	27.40	4.80	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

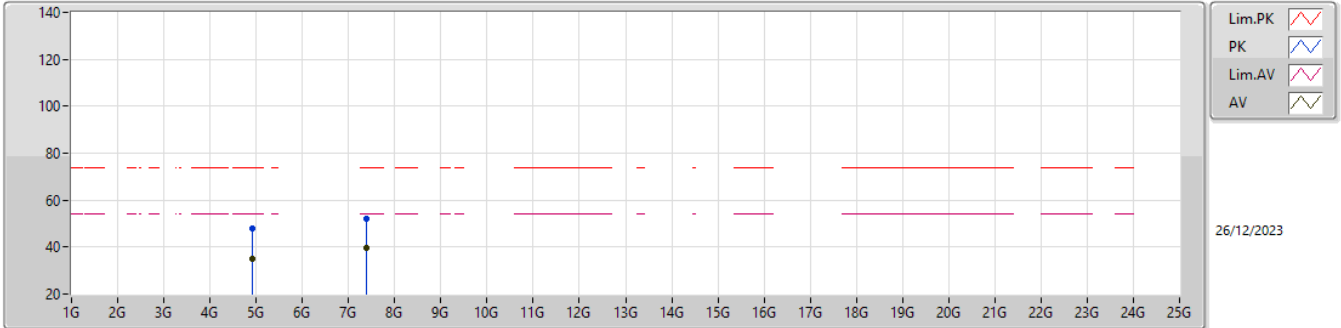


EUT_Z_4TX
Setting 95
03-R-A-4

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	4.92608G	47.05	74.00	-26.95	42.01	3	Vertical	143	2.04	-	33.65	6.16	34.77
AV	4.92384G	35.30	54.00	-18.70	30.26	3	Vertical	143	2.04	-	33.65	6.16	34.77
PK	7.38742G	51.77	74.00	-22.23	42.54	3	Vertical	21	1.21	-	36.90	7.67	35.34
AV	7.38104G	39.60	54.00	-14.40	30.37	3	Vertical	21	1.21	-	36.90	7.67	35.34

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

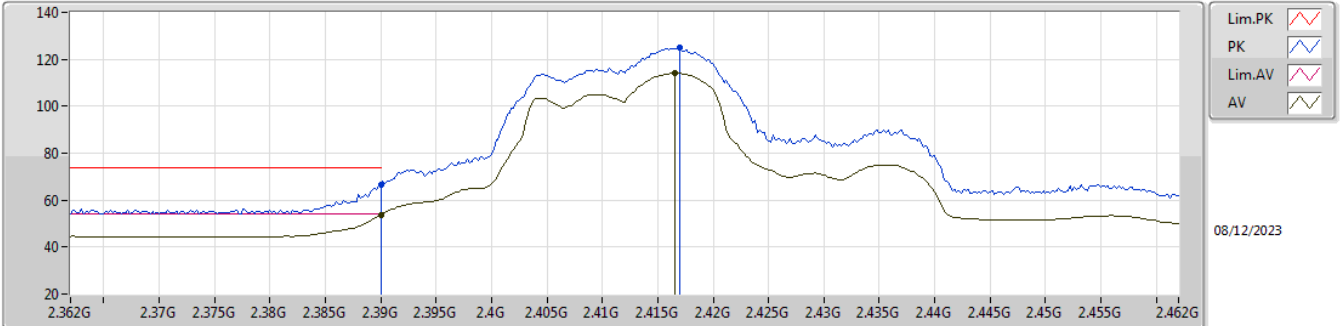


EUT_Z_4TX
Setting 95
03-R-A-4

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	4.92116G	47.83	74.00	-26.17	42.79	3	Horizontal	148	1.19	-	33.66	6.15	34.77
AV	4.92384G	35.00	54.00	-19.00	29.96	3	Horizontal	148	1.19	-	33.65	6.16	34.77
PK	7.38682G	52.17	74.00	-21.83	42.94	3	Horizontal	120	1.32	-	36.90	7.67	35.34
AV	7.38324G	39.65	54.00	-14.35	30.42	3	Horizontal	120	1.32	-	36.90	7.67	35.34

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

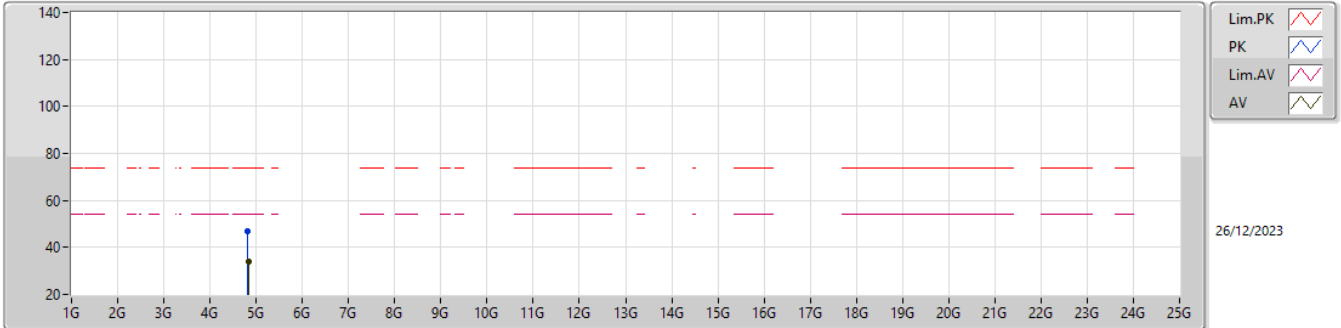


EUT_Z_4TX
Setting 98
06-D-S-4

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	66.81	74.00	-7.19	34.40	3	Vertical	161	2.47	-	27.70	4.71	-
AV	2.39G	53.61	54.00	-0.39	21.20	3	Vertical	161	2.47	-	27.70	4.71	-
PK	2.417G	124.88	Inf	-Inf	92.54	3	Vertical	161	2.47	-	27.60	4.74	-
AV	2.4166G	113.94	Inf	-Inf	81.61	3	Vertical	161	2.47	-	27.60	4.73	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

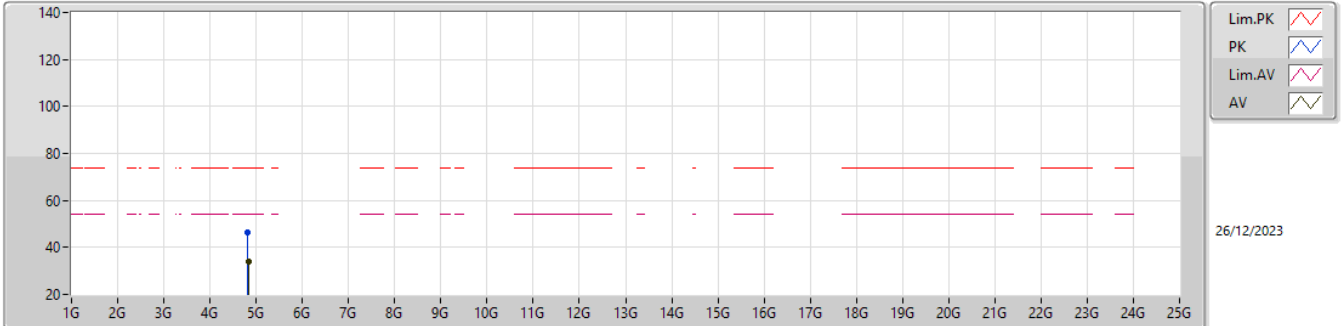


EUT_Z_4TX
Setting 98
03-R-A-4

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	4.82076G	47.00	74.00	-27.00	42.29	3	Vertical	71	1.06	-	33.40	6.00	34.69
AV	4.82888G	34.21	54.00	-19.79	29.50	3	Vertical	71	1.06	-	33.40	6.01	34.70

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

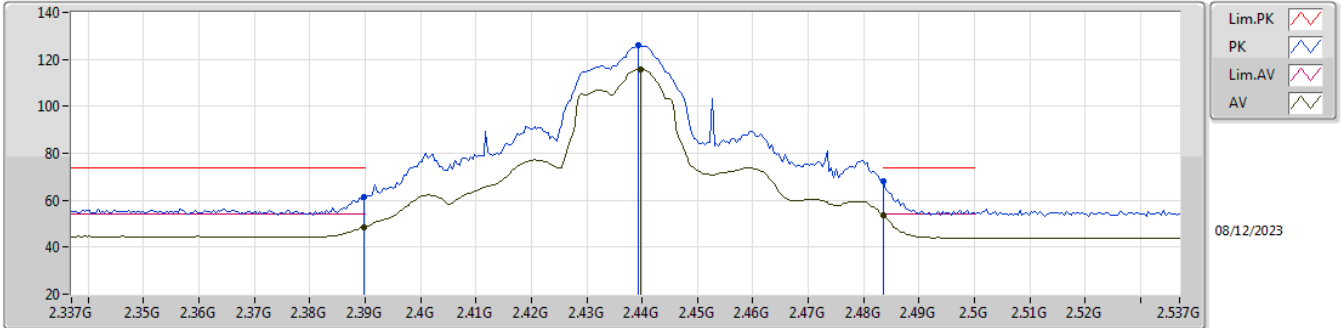


EUT_Z_4TX
Setting 98
03-R-A-4

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	4.82192G	46.37	74.00	-27.63	41.66	3	Horizontal	209	2.95	-	33.40	6.00	34.69
AV	4.8289G	34.21	54.00	-19.79	29.50	3	Horizontal	209	2.95	-	33.40	6.01	34.70

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

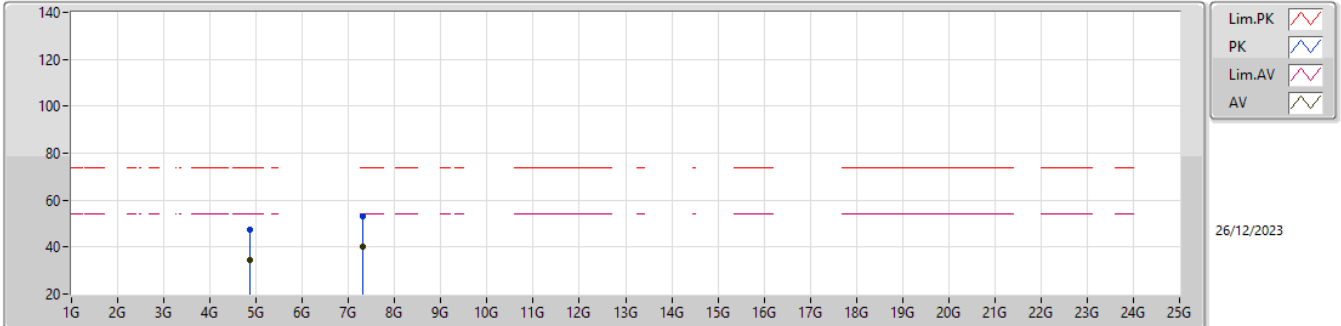


EUT_Z_4TX
Setting 103
06-D-S-4

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	61.23	74.00	-12.77	28.82	3	Vertical	167	2.45	-	27.70	4.71	-
AV	2.3898G	48.47	54.00	-5.53	16.06	3	Vertical	167	2.45	-	27.70	4.71	-
PK	2.4394G	125.99	Inf	-Inf	93.73	3	Vertical	167	2.45	-	27.50	4.76	-
AV	2.4398G	115.72	Inf	-Inf	83.46	3	Vertical	167	2.45	-	27.50	4.76	-
PK	2.4835G	68.12	74.00	-5.88	35.92	3	Vertical	167	2.45	-	27.40	4.80	-
AV	2.4835G	53.69	54.00	-0.31	21.49	3	Vertical	167	2.45	-	27.40	4.80	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

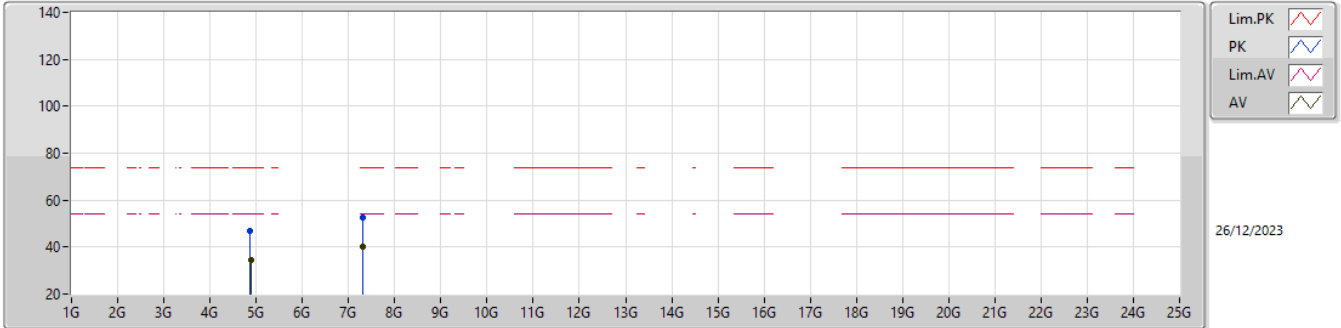


EUT_Z_4TX
Setting 103
03-R-A-4

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	4.87488G	47.36	74.00	-26.64	42.46	3	Vertical	283	2.89	-	33.55	6.08	34.73
AV	4.87154G	34.74	54.00	-19.26	29.86	3	Vertical	283	2.89	-	33.53	6.08	34.73
PK	7.30954G	53.11	74.00	-20.89	44.01	3	Vertical	228	2.33	-	36.82	7.66	35.38
AV	7.306G	39.93	54.00	-14.07	30.84	3	Vertical	228	2.33	-	36.81	7.66	35.38

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

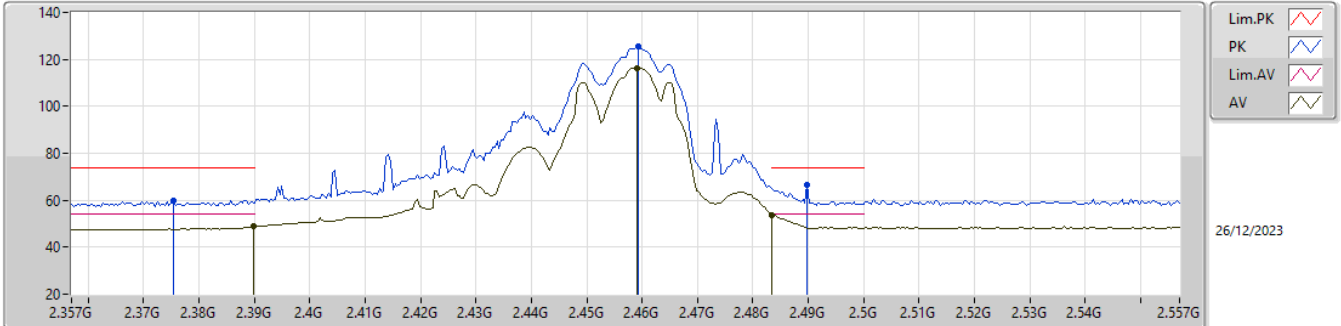


EUT_Z_4TX
Setting 103
03-R-A-4

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	4.8735G	47.07	74.00	-26.93	42.18	3	Horizontal	332	1.53	-	33.54	6.08	34.73
AV	4.87878G	34.72	54.00	-19.28	29.80	3	Horizontal	332	1.53	-	33.57	6.09	34.74
PK	7.30978G	52.50	74.00	-21.50	43.40	3	Horizontal	118	1.51	-	36.82	7.66	35.38
AV	7.30764G	39.98	54.00	-14.02	30.88	3	Horizontal	118	1.51	-	36.82	7.66	35.38

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2457MHz_TX

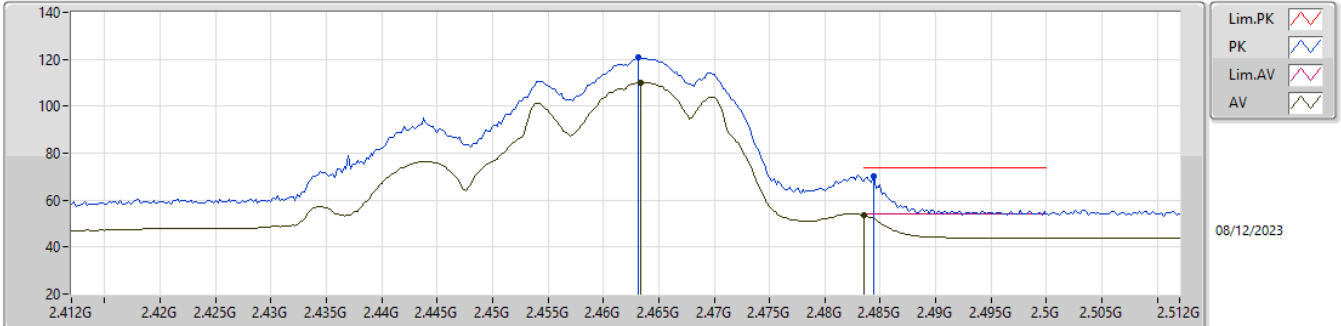


EUT_Z_4TX
Setting 94
03-R-A-4

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	2.3754G	59.93	74.00	-14.07	28.12	3	Vertical	174	2.12	-	28.25	3.56	-
AV	2.3898G	48.94	54.00	-5.06	17.07	3	Vertical	174	2.12	-	28.30	3.57	-
PK	2.4594G	125.46	Inf	-Inf	93.45	3	Vertical	174	2.12	-	28.39	3.62	-
AV	2.459G	116.29	Inf	-Inf	84.29	3	Vertical	174	2.12	-	28.38	3.62	-
PK	2.4898G	66.41	74.00	-7.59	34.36	3	Vertical	174	2.12	-	28.40	3.65	-
AV	2.4835G	53.87	54.00	-0.13	21.83	3	Vertical	174	2.12	-	28.40	3.64	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

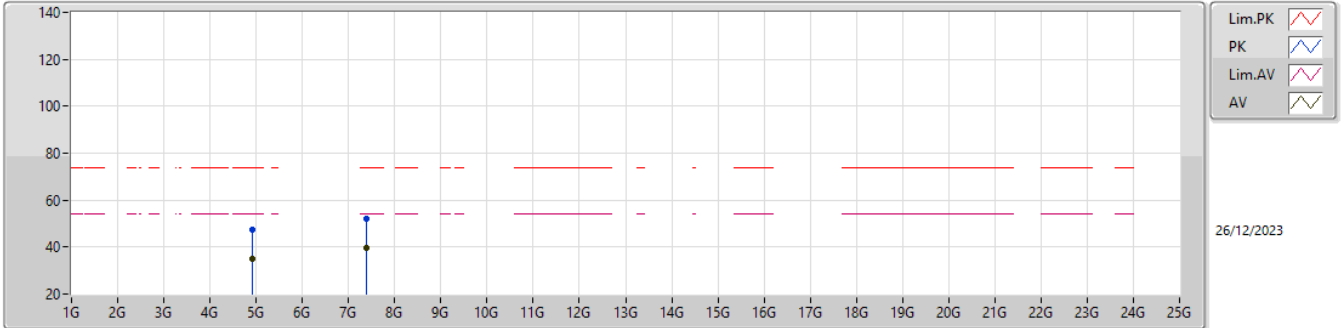


EUT_Z_4TX
Setting 79
06-D-S-4

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	2.4632G	120.73	Inf	-Inf	88.55	3	Vertical	178	2.17	-	27.40	4.78	-
AV	2.4634G	110.17	Inf	-Inf	77.99	3	Vertical	178	2.17	-	27.40	4.78	-
PK	2.4844G	70.19	74.00	-3.81	37.99	3	Vertical	178	2.17	-	27.40	4.80	-
AV	2.4835G	53.71	54.00	-0.29	21.51	3	Vertical	178	2.17	-	27.40	4.80	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

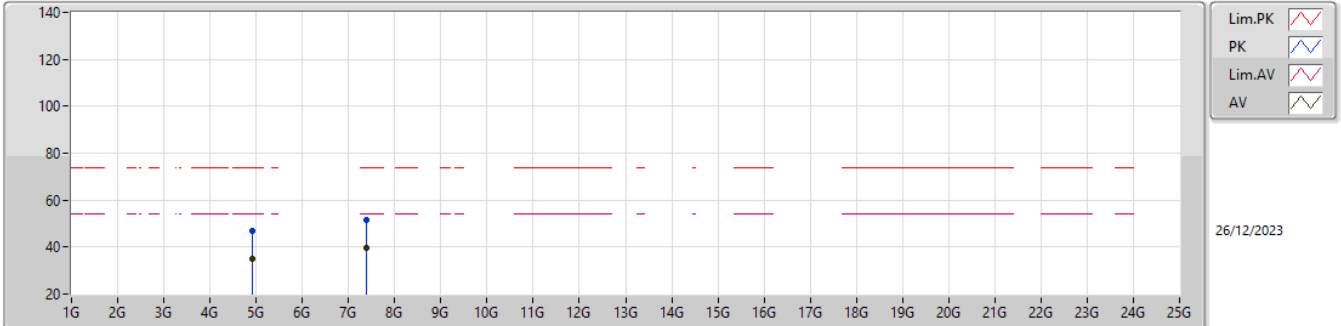


EUT_Z_4TX
Setting 79
03-R-A-4

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	4.92714G	47.49	74.00	-26.51	42.45	3	Vertical	176	2.23	-	33.65	6.16	34.77
AV	4.92882G	34.92	54.00	-19.08	29.89	3	Vertical	176	2.23	-	33.64	6.16	34.77
PK	7.38734G	52.15	74.00	-21.85	42.92	3	Vertical	338	2.36	-	36.90	7.67	35.34
AV	7.38306G	39.60	54.00	-14.40	30.37	3	Vertical	338	2.36	-	36.90	7.67	35.34

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

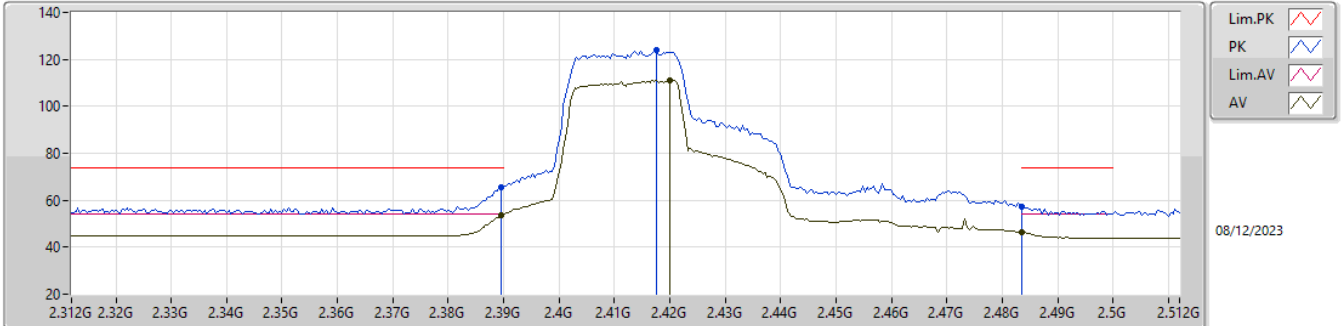


EUT_Z_4TX
Setting 79
03-R-A-4

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	4.91962G	46.97	74.00	-27.03	41.93	3	Horizontal	146	1.82	-	33.66	6.15	34.77
AV	4.929G	34.85	54.00	-19.15	29.82	3	Horizontal	146	1.82	-	33.64	6.16	34.77
PK	7.3844G	51.58	74.00	-22.42	42.35	3	Horizontal	248	2.16	-	36.90	7.67	35.34
AV	7.38682G	39.59	54.00	-14.41	30.36	3	Horizontal	248	2.16	-	36.90	7.67	35.34

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

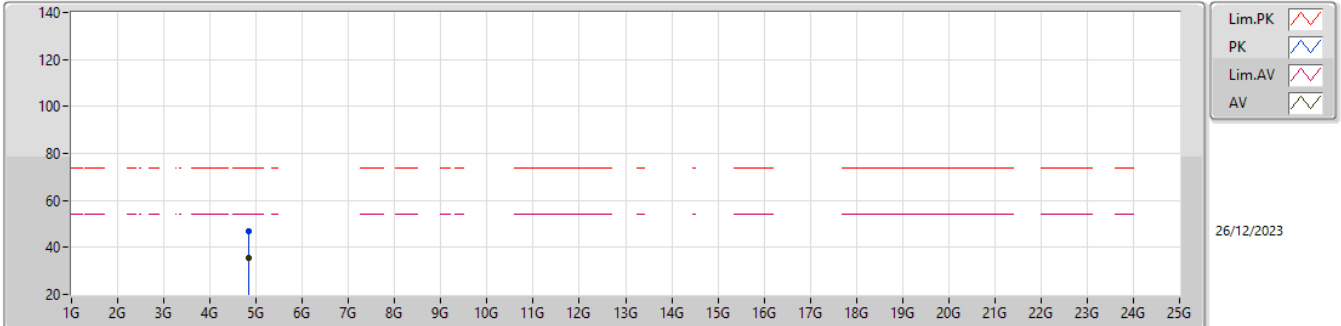


EUT_Z_4TX
Setting 95
06-D-S-4

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	2.3896G	65.69	74.00	-8.31	33.28	3	Vertical	298	1.66	-	27.70	4.71	-
AV	2.3896G	53.72	54.00	-0.28	21.31	3	Vertical	298	1.66	-	27.70	4.71	-
PK	2.4176G	123.76	Inf	-Inf	91.42	3	Vertical	298	1.66	-	27.60	4.74	-
AV	2.42G	110.99	Inf	-Inf	78.65	3	Vertical	298	1.66	-	27.60	4.74	-
PK	2.4835G	57.23	74.00	-16.77	25.03	3	Vertical	298	1.66	-	27.40	4.80	-
AV	2.4835G	46.29	54.00	-7.71	14.09	3	Vertical	298	1.66	-	27.40	4.80	-

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

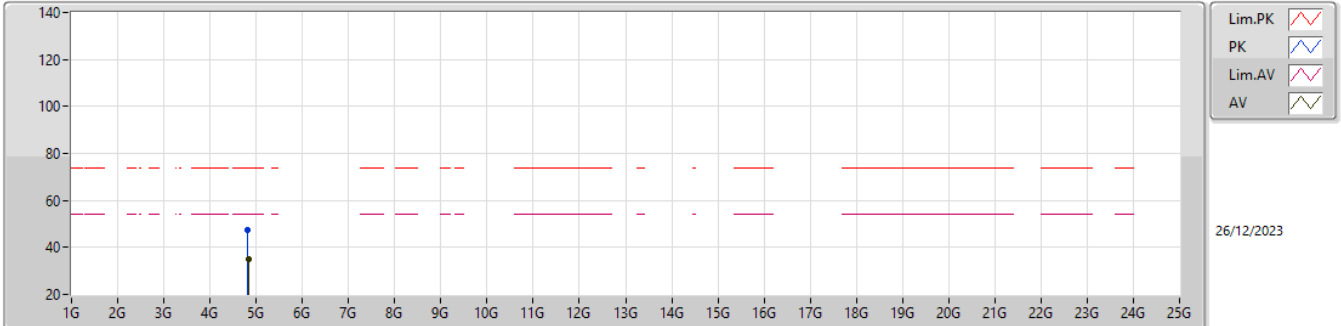


EUT_Z_4TX
Setting 95
03-R-A-4

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	4.82724G	47.01	74.00	-26.99	42.30	3	Vertical	151	1.45	-	33.40	6.01	34.70
AV	4.83096G	35.66	54.00	-18.34	30.94	3	Vertical	151	1.45	-	33.40	6.02	34.70

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

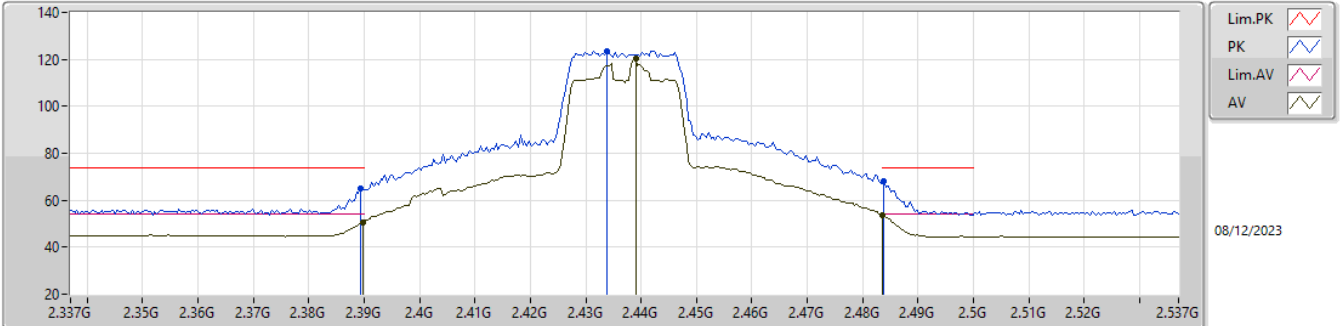


EUT_Z_4TX
 Setting 95
 03-R-A-4

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	4.81972G	47.48	74.00	-26.52	42.77	3	Horizontal	316	2.58	-	33.40	6.00	34.69
AV	4.83032G	35.25	54.00	-18.75	30.53	3	Horizontal	316	2.58	-	33.40	6.02	34.70

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

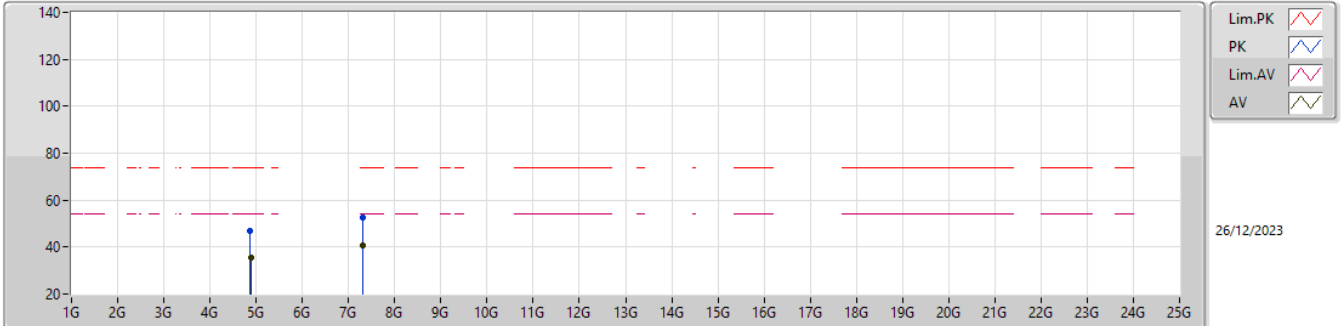


EUT_Z_4TX
Setting 99
06-D-S-4

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	2.3894G	64.97	74.00	-9.03	32.56	3	Vertical	181	2.44	-	27.70	4.71	-
AV	2.3898G	50.75	54.00	-3.25	18.34	3	Vertical	181	2.44	-	27.70	4.71	-
PK	2.4338G	123.63	Inf	-Inf	91.38	3	Vertical	181	2.44	-	27.50	4.75	-
AV	2.439G	120.09	Inf	-Inf	87.83	3	Vertical	181	2.44	-	27.50	4.76	-
PK	2.4838G	68.09	74.00	-5.91	35.89	3	Vertical	181	2.44	-	27.40	4.80	-
AV	2.4835G	53.71	54.00	-0.29	21.51	3	Vertical	181	2.44	-	27.40	4.80	-

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

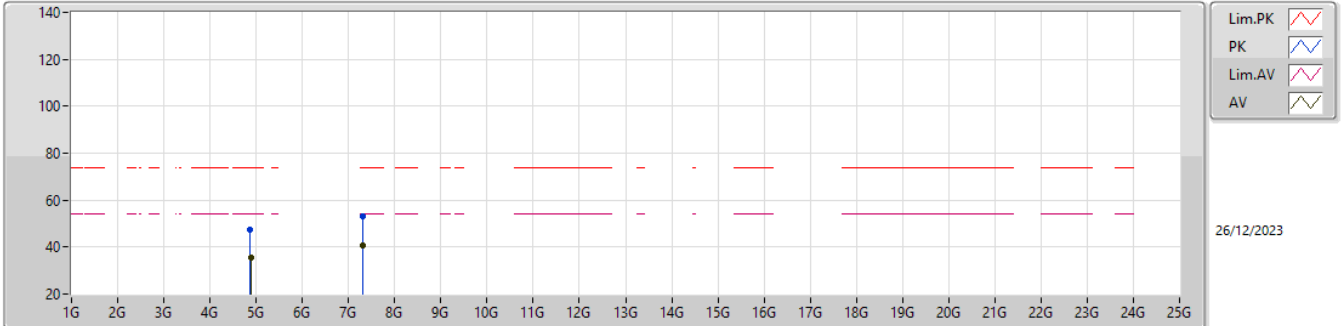


EUT_Z_4TX
Setting 99
03-R-A-4

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	4.87684G	47.08	74.00	-26.92	42.16	3	Vertical	326	2.92	-	33.56	6.09	34.73
AV	4.88248G	35.69	54.00	-18.31	30.75	3	Vertical	326	2.92	-	33.59	6.09	34.74
PK	7.31044G	52.80	74.00	-21.20	43.70	3	Vertical	290	1.28	-	36.82	7.66	35.38
AV	7.30764G	40.85	54.00	-13.15	31.75	3	Vertical	290	1.28	-	36.82	7.66	35.38

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

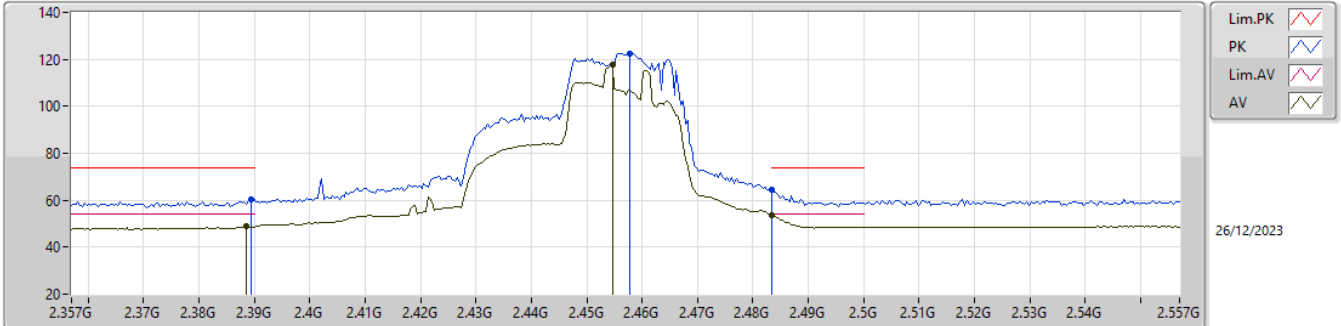


EUT_Z_4TX
Setting 99
03-R-A-4

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	4.87256G	47.39	74.00	-26.61	42.50	3	Horizontal	348	1.17	-	33.54	6.08	34.73
AV	4.8836G	35.65	54.00	-18.35	30.69	3	Horizontal	348	1.17	-	33.60	6.10	34.74
PK	7.30392G	52.88	74.00	-21.12	43.79	3	Horizontal	240	2.05	-	36.81	7.66	35.38
AV	7.309G	40.78	54.00	-13.22	31.68	3	Horizontal	240	2.05	-	36.82	7.66	35.38

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

2457MHz_TX

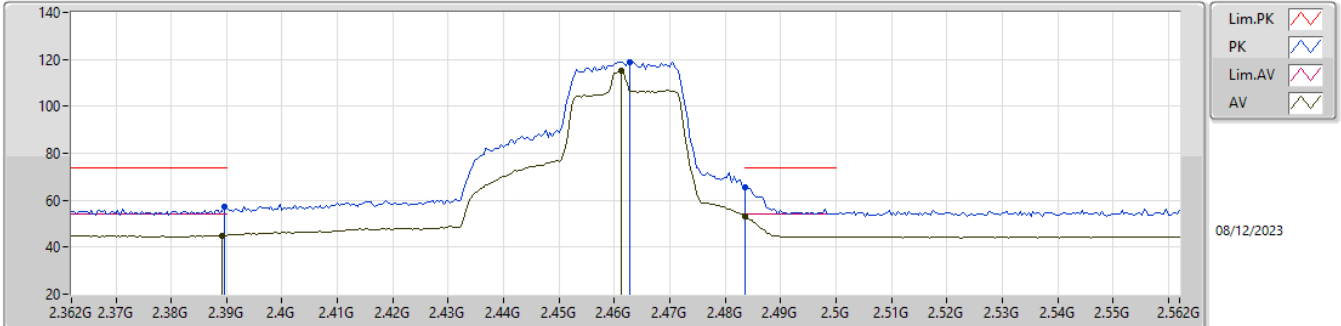


EUT_Z_4TX
Setting 86
03-R-A-4

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	2.3894G	60.54	74.00	-13.46	28.67	3	Vertical	180	2.42	-	28.30	3.57	-
AV	2.3886G	48.93	54.00	-5.07	17.06	3	Vertical	180	2.42	-	28.30	3.57	-
PK	2.4578G	122.40	Inf	-Inf	90.42	3	Vertical	180	2.42	-	28.36	3.62	-
AV	2.4546G	117.66	Inf	-Inf	85.75	3	Vertical	180	2.42	-	28.29	3.62	-
PK	2.4835G	64.40	74.00	-9.60	32.36	3	Vertical	180	2.42	-	28.40	3.64	-
AV	2.4835G	53.72	54.00	-0.28	21.68	3	Vertical	180	2.42	-	28.40	3.64	-

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

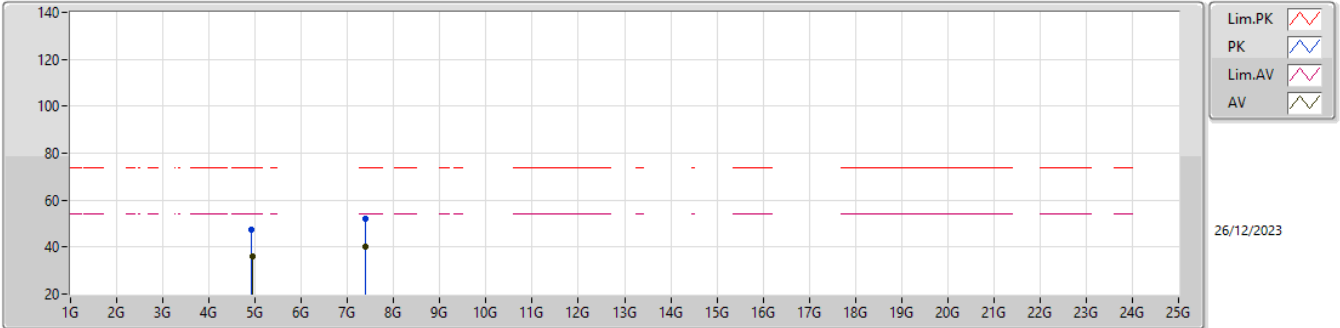


EUT_Z_4TX
Setting 80
06-D-S-4

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	2.3896G	57.16	74.00	-16.84	24.75	3	Vertical	188	1.80	-	27.70	4.71	-
AV	2.3892G	45.05	54.00	-8.95	12.64	3	Vertical	188	1.80	-	27.70	4.71	-
PK	2.4628G	119.00	Inf	-Inf	86.82	3	Vertical	188	1.80	-	27.40	4.78	-
AV	2.4612G	114.99	Inf	-Inf	82.81	3	Vertical	188	1.80	-	27.40	4.78	-
PK	2.4835G	65.36	74.00	-8.64	33.16	3	Vertical	188	1.80	-	27.40	4.80	-
AV	2.4835G	53.25	54.00	-0.75	21.05	3	Vertical	188	1.80	-	27.40	4.80	-

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

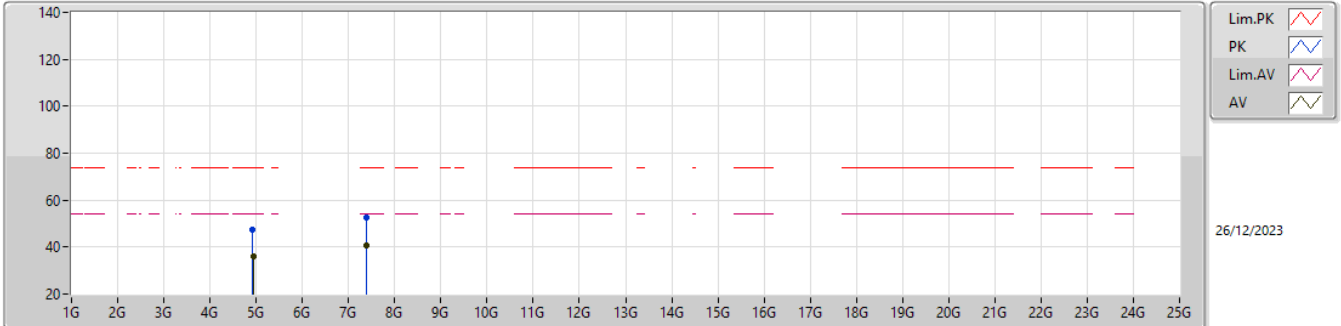


EUT_Z_4TX
Setting 80
03-R-A-4

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	4.92372G	47.54	74.00	-26.46	42.50	3	Vertical	256	2.58	-	33.65	6.16	34.77
AV	4.9316G	35.87	54.00	-18.13	30.84	3	Vertical	256	2.58	-	33.64	6.17	34.78
PK	7.38056G	51.97	74.00	-22.03	42.74	3	Vertical	286	2.65	-	36.90	7.67	35.34
AV	7.37684G	40.33	54.00	-13.67	31.10	3	Vertical	286	2.65	-	36.90	7.67	35.34

2.4-2.4835GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

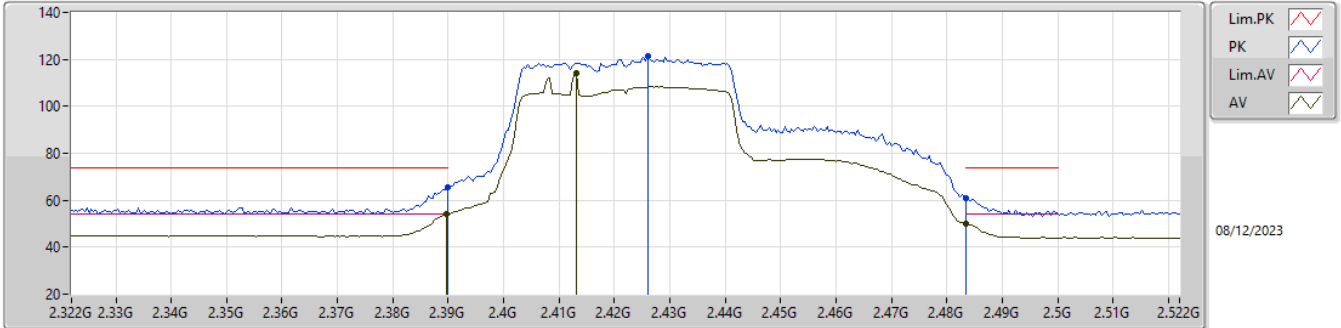


EUT_Z_4TX
Setting 80
03-R-A-4

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	4.92076G	47.32	74.00	-26.68	42.28	3	Horizontal	194	2.78	-	33.66	6.15	34.77
AV	4.9304G	36.00	54.00	-18.00	30.97	3	Horizontal	194	2.78	-	33.64	6.17	34.78
PK	7.38404G	52.66	74.00	-21.34	43.43	3	Horizontal	183	1.91	-	36.90	7.67	35.34
AV	7.37884G	40.52	54.00	-13.48	31.29	3	Horizontal	183	1.91	-	36.90	7.67	35.34

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

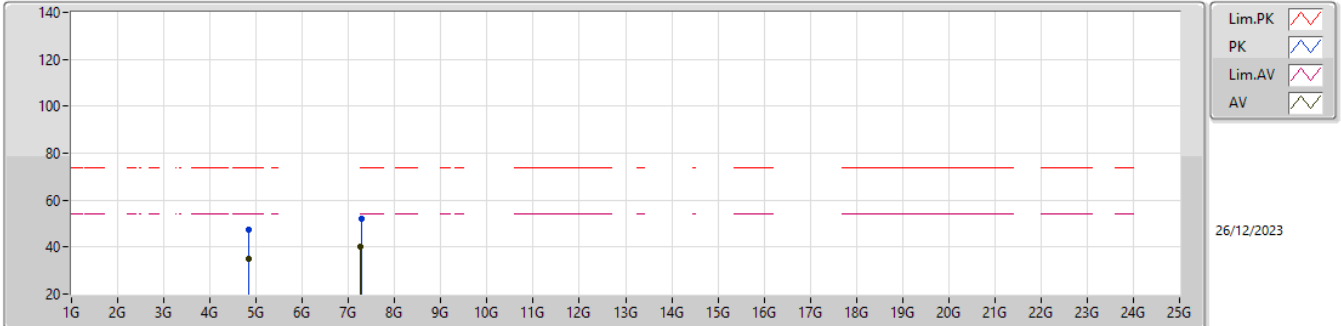


EUT_Z_4TX
Setting 89
06-D-S-4

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	65.43	74.00	-8.57	33.02	3	Vertical	230	2.38	-	27.70	4.71	-
AV	2.3896G	53.95	54.00	-0.05	21.54	3	Vertical	230	2.38	-	27.70	4.71	-
PK	2.426G	121.33	Inf	-Inf	89.05	3	Vertical	230	2.38	-	27.54	4.74	-
AV	2.4132G	114.35	Inf	-Inf	82.02	3	Vertical	230	2.38	-	27.60	4.73	-
PK	2.4835G	60.97	74.00	-13.03	28.77	3	Vertical	230	2.38	-	27.40	4.80	-
AV	2.4835G	49.92	54.00	-4.08	17.72	3	Vertical	230	2.38	-	27.40	4.80	-

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

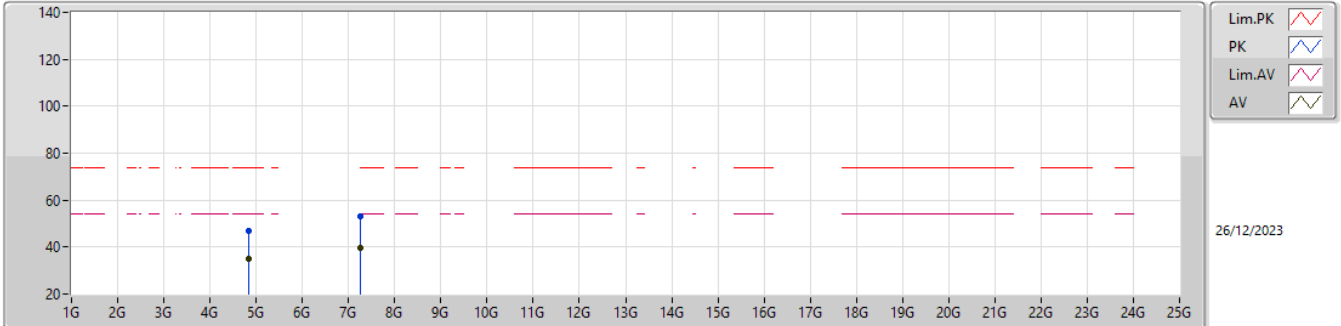


EUT_Z_4TX
Setting 89
03-R-A-4

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	4.84372G	47.53	74.00	-26.47	42.80	3	Vertical	342	1.86	-	33.40	6.04	34.71
AV	4.84152G	34.93	54.00	-19.07	30.21	3	Vertical	342	1.86	-	33.40	6.03	34.71
PK	7.27592G	51.90	74.00	-22.10	42.94	3	Vertical	338	1.02	-	36.70	7.66	35.40
AV	7.25648G	40.01	54.00	-13.99	31.13	3	Vertical	338	1.02	-	36.63	7.66	35.41

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

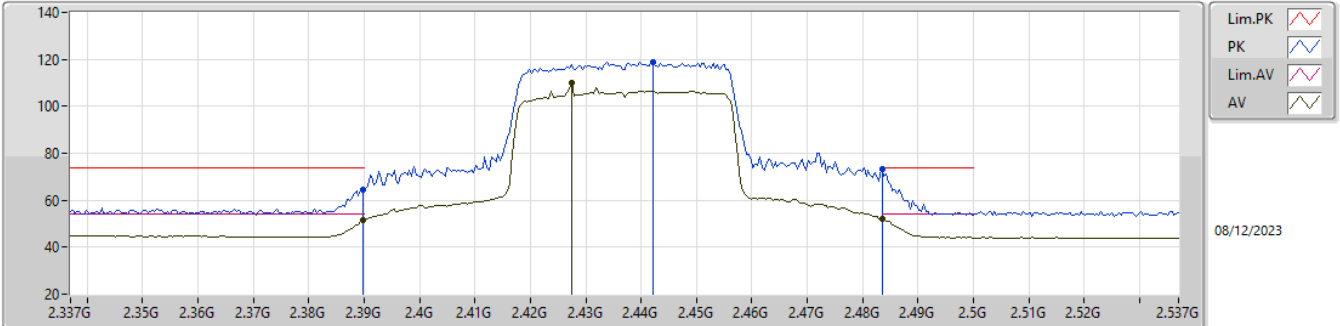


EUT_Z_4TX
Setting 89
03-R-A-4

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	4.84344G	46.92	74.00	-27.08	42.19	3	Horizontal	339	2.05	-	33.40	6.04	34.71
AV	4.83996G	35.00	54.00	-19.00	30.28	3	Horizontal	339	2.05	-	33.40	6.03	34.71
PK	7.26884G	53.12	74.00	-20.88	44.18	3	Horizontal	243	2.32	-	36.68	7.66	35.40
AV	7.25692G	39.89	54.00	-14.11	31.01	3	Horizontal	243	2.32	-	36.63	7.66	35.41

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

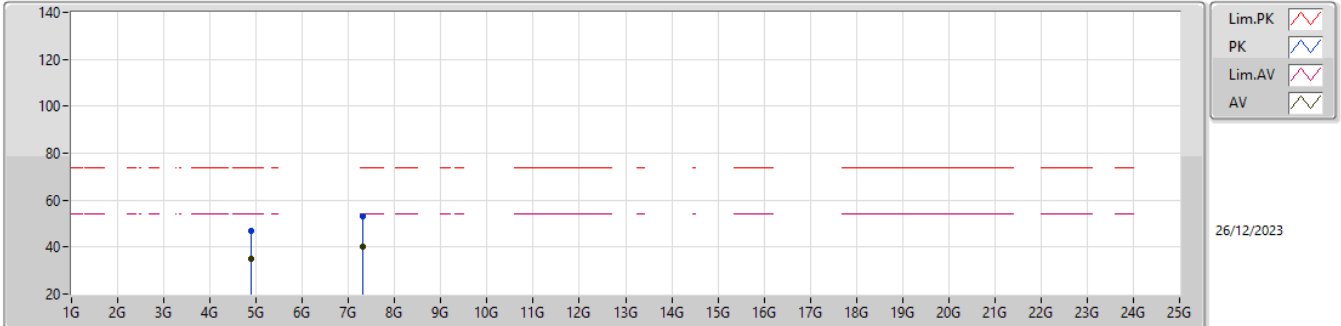


EUT_Z_4TX
Setting 80
06-D-S-4

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	64.57	74.00	-9.43	32.16	3	Vertical	255	2.13	-	27.70	4.71	-
AV	2.3898G	51.33	54.00	-2.67	18.92	3	Vertical	255	2.13	-	27.70	4.71	-
PK	2.4422G	118.75	Inf	-Inf	86.49	3	Vertical	255	2.13	-	27.50	4.76	-
AV	2.4274G	110.14	Inf	-Inf	77.87	3	Vertical	255	2.13	-	27.53	4.74	-
PK	2.4835G	73.35	74.00	-0.65	41.15	3	Vertical	255	2.13	-	27.40	4.80	-
AV	2.4835G	52.12	54.00	-1.88	19.92	3	Vertical	255	2.13	-	27.40	4.80	-

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

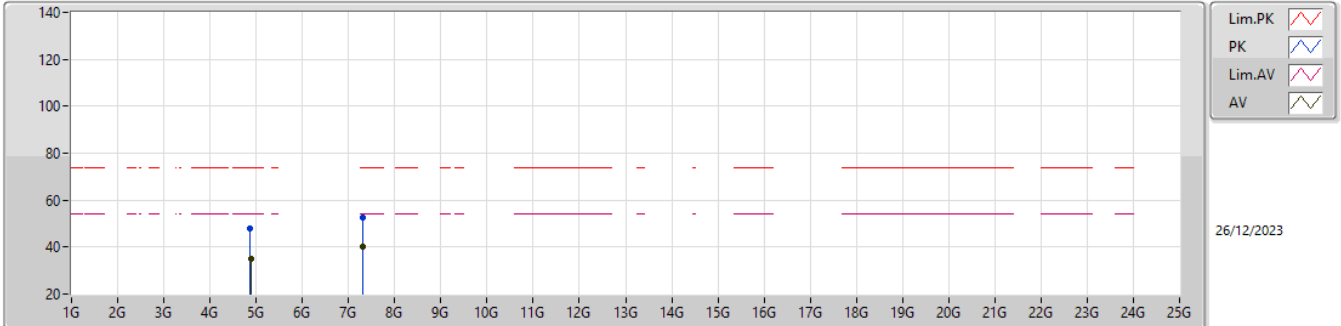


EUT_Z_4TX
Setting 80
03-R-A-4

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	4.88224G	47.11	74.00	-26.89	42.17	3	Vertical	349	1.34	-	33.59	6.09	34.74
AV	4.882G	35.13	54.00	-18.87	30.19	3	Vertical	349	1.34	-	33.59	6.09	34.74
PK	7.3134G	52.94	74.00	-21.06	43.83	3	Vertical	70	1.36	-	36.83	7.66	35.38
AV	7.30768G	40.34	54.00	-13.66	31.24	3	Vertical	70	1.36	-	36.82	7.66	35.38

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

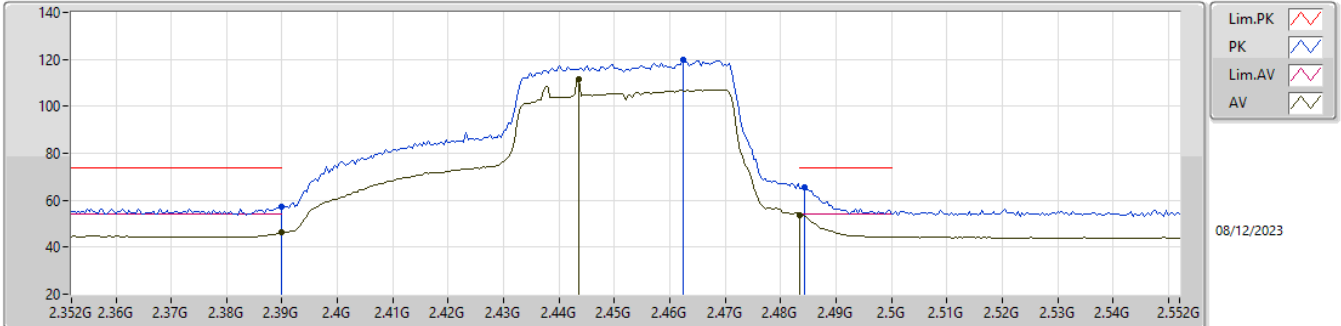


EUT_Z_4TX
Setting 80
03-R-A-4

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	4.87444G	48.02	74.00	-25.98	43.12	3	Horizontal	199	2.40	-	33.55	6.08	34.73
AV	4.88064G	35.18	54.00	-18.82	30.25	3	Horizontal	199	2.40	-	33.58	6.09	34.74
PK	7.31516G	52.84	74.00	-21.16	43.73	3	Horizontal	263	2.63	-	36.83	7.66	35.38
AV	7.30532G	40.41	54.00	-13.59	31.32	3	Horizontal	263	2.63	-	36.81	7.66	35.38

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

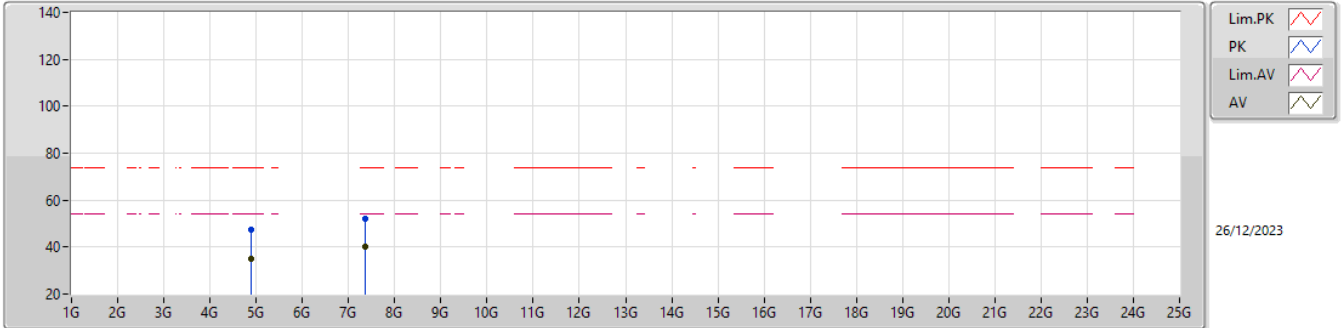


EUT_Z_4TX
Setting 83
06-D-S-4

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	57.20	74.00	-16.80	24.79	3	Vertical	124	1.80	-	27.70	4.71	-
AV	2.39G	46.30	54.00	-7.70	13.89	3	Vertical	124	1.80	-	27.70	4.71	-
PK	2.4624G	119.76	Inf	-Inf	87.58	3	Vertical	124	1.80	-	27.40	4.78	-
AV	2.4436G	111.53	Inf	-Inf	79.27	3	Vertical	124	1.80	-	27.50	4.76	-
PK	2.4844G	65.30	74.00	-8.70	33.10	3	Vertical	124	1.80	-	27.40	4.80	-
AV	2.4835G	53.68	54.00	-0.32	21.48	3	Vertical	124	1.80	-	27.40	4.80	-

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

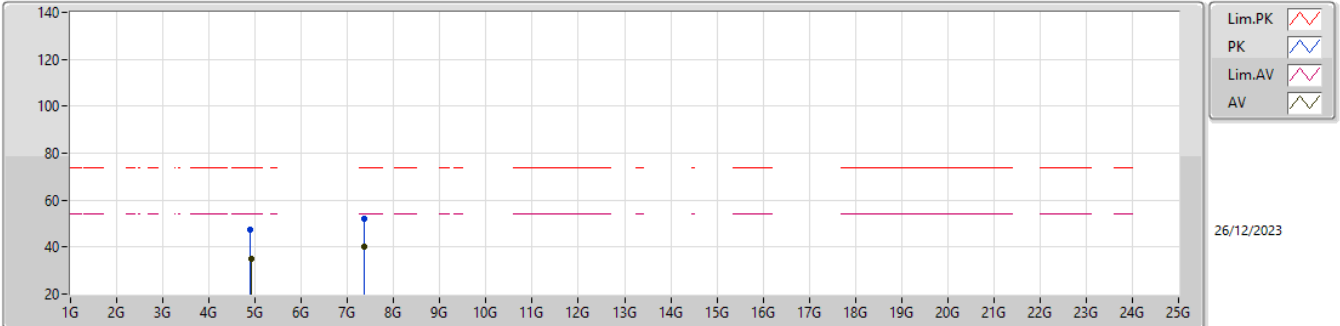


EUT_Z_4TX
Setting 83
03-R-A-4

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	4.8958G	47.22	74.00	-26.78	42.19	3	Vertical	179	1.59	-	33.67	6.11	34.75
AV	4.90084G	35.01	54.00	-18.99	29.94	3	Vertical	179	1.59	-	33.70	6.12	34.75
PK	7.36004G	52.20	74.00	-21.80	42.98	3	Vertical	314	1.64	-	36.90	7.67	35.35
AV	7.3556G	40.08	54.00	-13.92	30.86	3	Vertical	314	1.64	-	36.90	7.67	35.35

2.4-2.4835GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

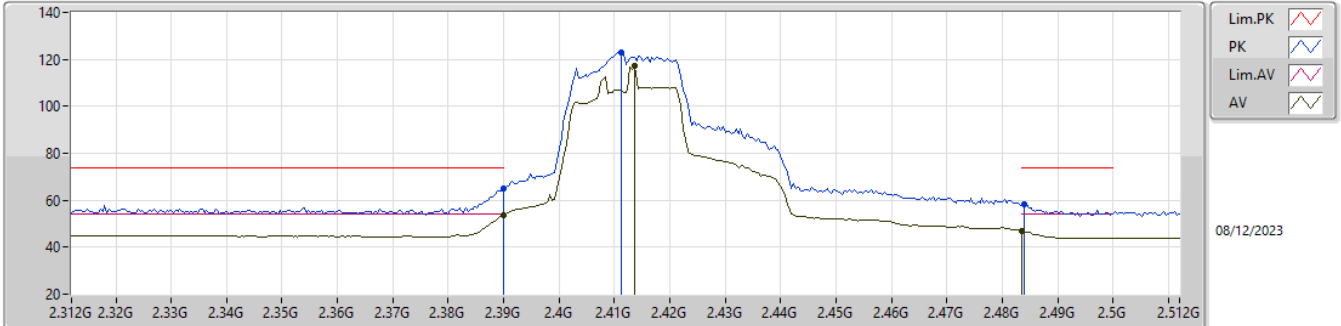


EUT_Z_4TX
Setting 83
03-R-A-4

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	4.8976G	47.58	74.00	-26.42	42.52	3	Horizontal	132	1.01	-	33.69	6.12	34.75
AV	4.91256G	34.93	54.00	-19.07	29.88	3	Horizontal	132	1.01	-	33.67	6.14	34.76
PK	7.365G	52.28	74.00	-21.72	43.06	3	Horizontal	162	1.30	-	36.90	7.67	35.35
AV	7.35484G	40.03	54.00	-13.97	30.81	3	Horizontal	162	1.30	-	36.90	7.67	35.35

2.4-2.4835GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

2412MHz_TX

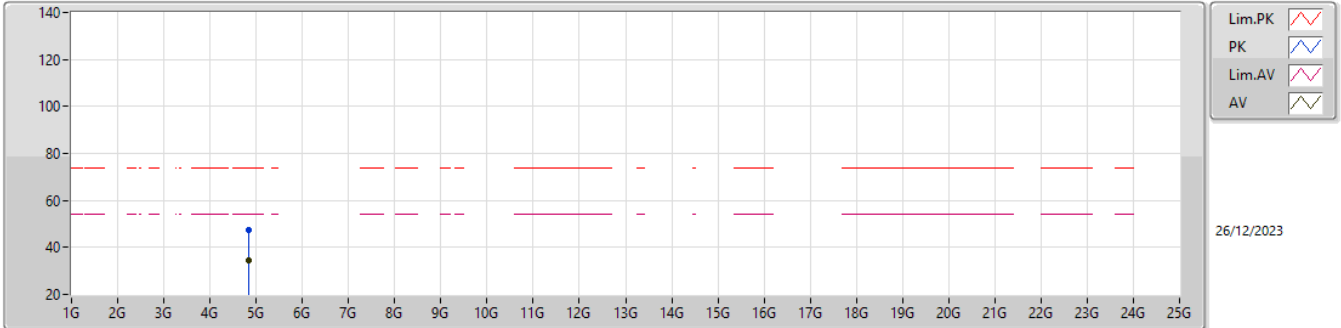


EUT_Z_4TX
Setting 95
06-D-S-4

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	65.00	74.00	-9.00	32.59	3	Vertical	3	2.82	-	27.70	4.71	-
AV	2.39G	53.55	54.00	-0.45	21.14	3	Vertical	3	2.82	-	27.70	4.71	-
PK	2.4112G	123.10	Inf	-Inf	90.77	3	Vertical	3	2.82	-	27.60	4.73	-
AV	2.4136G	117.28	Inf	-Inf	84.95	3	Vertical	3	2.82	-	27.60	4.73	-
PK	2.484G	58.33	74.00	-15.67	26.13	3	Vertical	3	2.82	-	27.40	4.80	-
AV	2.4835G	46.91	54.00	-7.09	14.71	3	Vertical	3	2.82	-	27.40	4.80	-

2.4-2.4835GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

2412MHz_TX

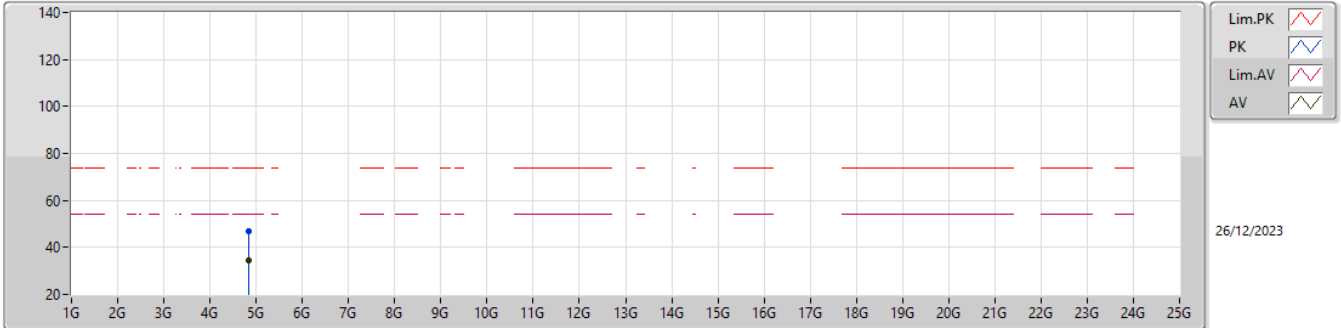


EUT_Z_4TX
 Setting 95
 03-R-A-4

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	4.83308G	47.30	74.00	-26.70	42.58	3	Vertical	176	1.31	-	33.40	6.02	34.70
AV	4.83132G	34.54	54.00	-19.46	29.82	3	Vertical	176	1.31	-	33.40	6.02	34.70

2.4-2.4835GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

2412MHz_TX

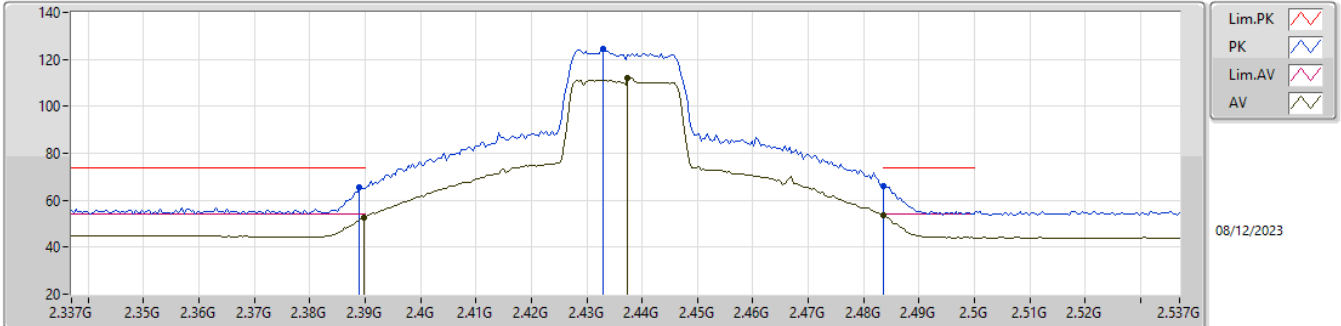


EUT_Z_4TX
Setting 95
03-R-A-4

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	4.82744G	46.70	74.00	-27.30	41.99	3	Horizontal	249	2.24	-	33.40	6.01	34.70
AV	4.83136G	34.46	54.00	-19.54	29.74	3	Horizontal	249	2.24	-	33.40	6.02	34.70

2.4-2.4835GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

2437MHz_TX

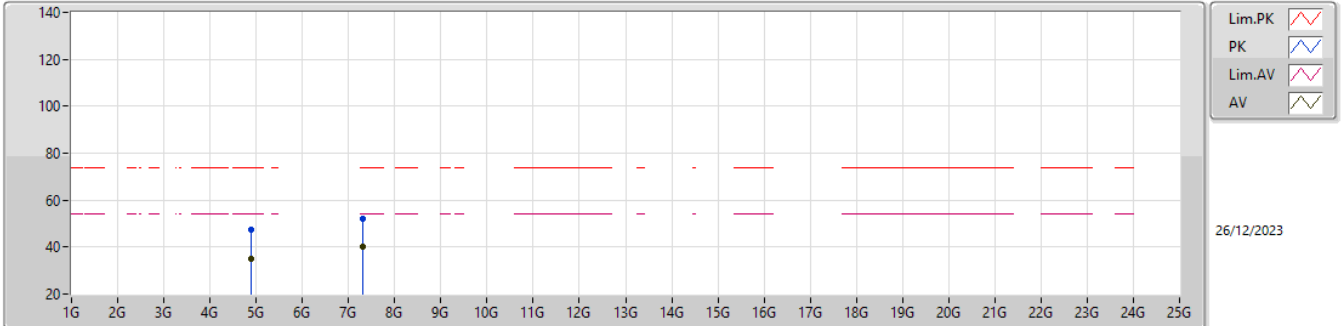


EUT_Z_4TX
Setting 104
06-D-S-4

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	65.69	74.00	-8.31	33.28	3	Vertical	244	1.38	-	27.70	4.71	-
AV	2.3898G	52.77	54.00	-1.23	20.36	3	Vertical	244	1.38	-	27.70	4.71	-
PK	2.433G	124.26	Inf	-Inf	92.01	3	Vertical	244	1.38	-	27.50	4.75	-
AV	2.4374G	112.07	Inf	-Inf	79.82	3	Vertical	244	1.38	-	27.50	4.75	-
PK	2.4835G	66.04	74.00	-7.96	33.84	3	Vertical	244	1.38	-	27.40	4.80	-
AV	2.4835G	53.75	54.00	-0.25	21.55	3	Vertical	244	1.38	-	27.40	4.80	-

2.4-2.4835GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

2437MHz_TX

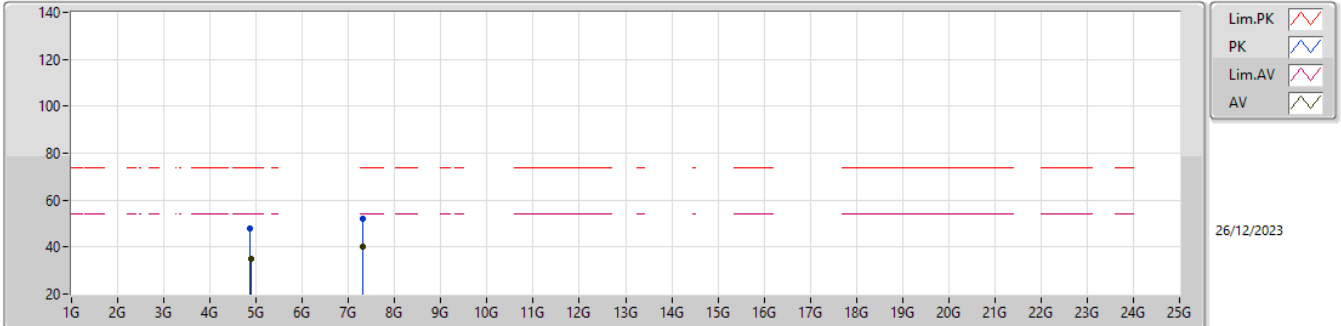


EUT_Z_4TX
Setting 104
03-R-A-4

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	4.87984G	47.33	74.00	-26.67	42.40	3	Vertical	81	2.14	-	33.58	6.09	34.74
AV	4.881G	34.98	54.00	-19.02	30.04	3	Vertical	81	2.14	-	33.59	6.09	34.74
PK	7.31256G	52.17	74.00	-21.83	43.06	3	Vertical	247	1.67	-	36.83	7.66	35.38
AV	7.30972G	40.11	54.00	-13.89	31.01	3	Vertical	247	1.67	-	36.82	7.66	35.38

2.4-2.4835GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

2437MHz_TX

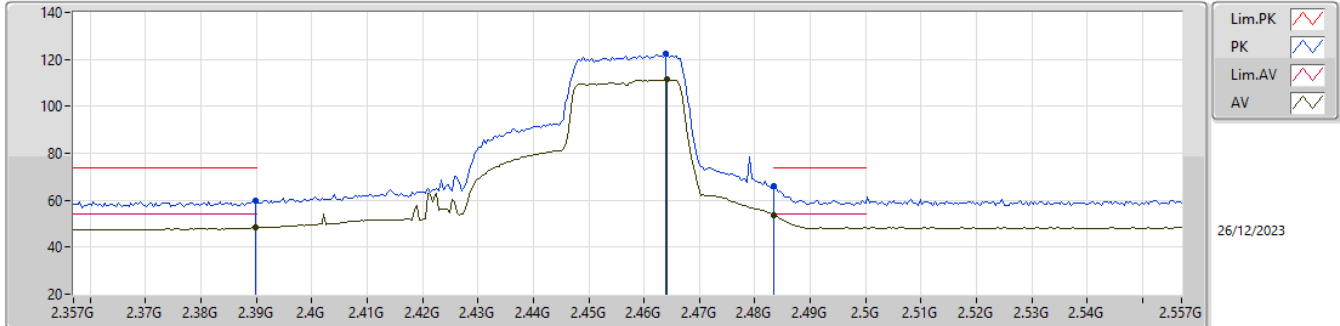


EUT_Z_4TX
Setting 104
03-R-A-4

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	4.87696G	47.76	74.00	-26.24	42.84	3	Horizontal	185	2.39	-	33.56	6.09	34.73
AV	4.88252G	34.92	54.00	-19.08	29.97	3	Horizontal	185	2.39	-	33.60	6.09	34.74
PK	7.30244G	52.07	74.00	-21.93	42.99	3	Horizontal	71	2.85	-	36.80	7.66	35.38
AV	7.30536G	40.10	54.00	-13.90	31.01	3	Horizontal	71	2.85	-	36.81	7.66	35.38

2.4-2.4835GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

2457MHz_TX

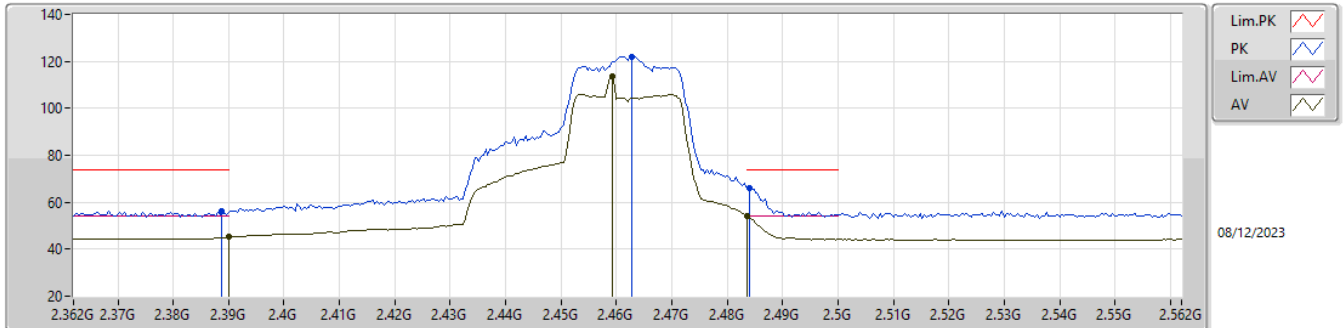


EUT_Z_4TX
Setting 86
03-R-A-4

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	59.59	74.00	-14.41	27.72	3	Vertical	192.7	2.02	-	28.30	3.57	-
AV	2.3898G	48.40	54.00	-5.60	16.53	3	Vertical	192.7	2.02	-	28.30	3.57	-
PK	2.4638G	122.60	Inf	-Inf	90.53	3	Vertical	192.7	2.02	-	28.44	3.63	-
AV	2.4642G	111.41	Inf	-Inf	79.34	3	Vertical	192.7	2.02	-	28.44	3.63	-
PK	2.4835G	66.03	74.00	-7.97	33.99	3	Vertical	192.7	2.02	-	28.40	3.64	-
AV	2.4835G	53.72	54.00	-0.28	21.68	3	Vertical	192.7	2.02	-	28.40	3.64	-

2.4-2.4835GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

2462MHz_TX

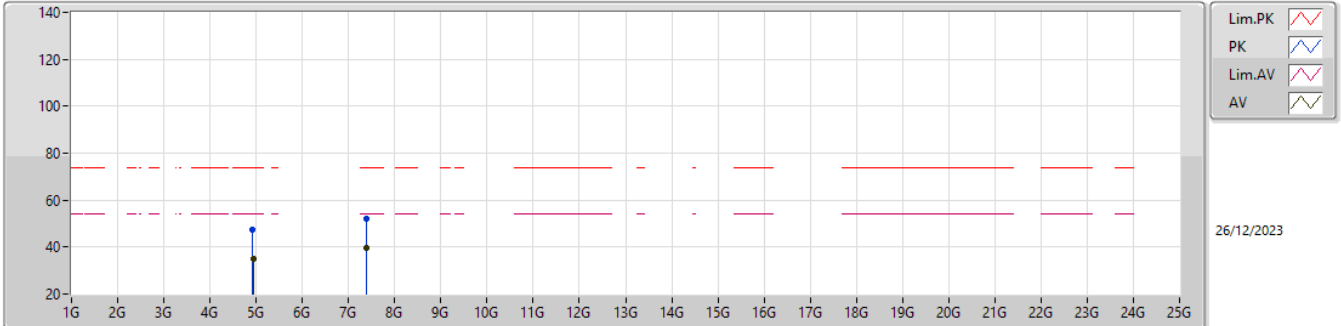


EUT_Z_4TX
Setting 85
06-D-S-4

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	2.3888G	56.23	74.00	-17.77	23.82	3	Vertical	184	1.93	-	27.70	4.71	-
AV	2.39G	45.11	54.00	-8.89	12.70	3	Vertical	184	1.93	-	27.70	4.71	-
PK	2.4628G	122.14	Inf	-Inf	89.96	3	Vertical	184	1.93	-	27.40	4.78	-
AV	2.4592G	113.55	Inf	-Inf	81.37	3	Vertical	184	1.93	-	27.41	4.77	-
PK	2.484G	66.06	74.00	-7.94	33.86	3	Vertical	184	1.93	-	27.40	4.80	-
AV	2.4835G	53.97	54.00	-0.03	21.77	3	Vertical	184	1.93	-	27.40	4.80	-

2.4-2.4835GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

2462MHz_TX

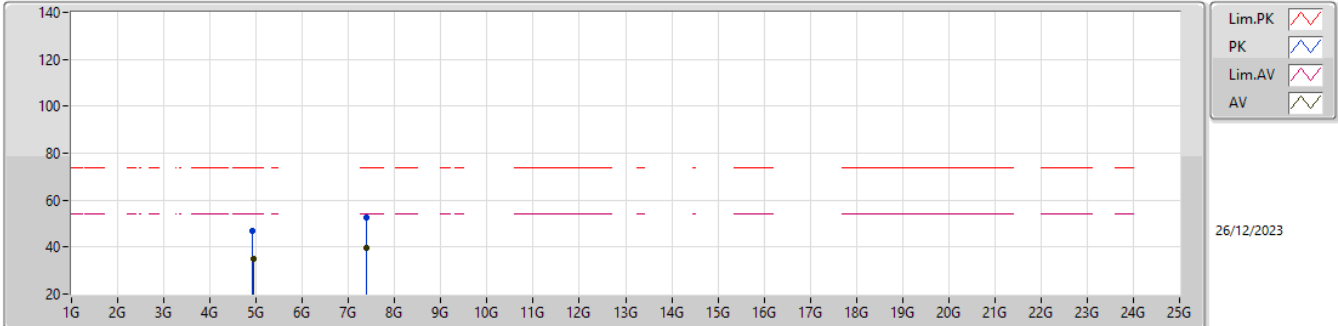


EUT_Z_4TX
Setting 85
03-R-A-4

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	4.923G	47.58	74.00	-26.42	42.55	3	Vertical	227	2.81	-	33.65	6.15	34.77
AV	4.93304G	35.22	54.00	-18.78	30.20	3	Vertical	227	2.81	-	33.63	6.17	34.78
PK	7.39272G	52.13	74.00	-21.87	42.89	3	Vertical	55	2.58	-	36.90	7.67	35.33
AV	7.3794G	39.82	54.00	-14.18	30.59	3	Vertical	55	2.58	-	36.90	7.67	35.34

2.4-2.4835GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

2462MHz_TX

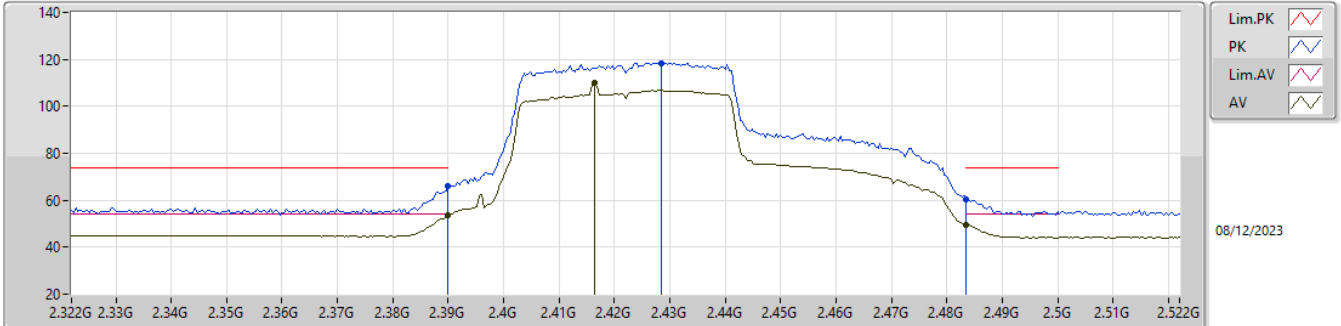


EUT_Z_4TX
Setting 85
03-R-A-4

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	4.91828G	47.00	74.00	-27.00	41.96	3	Horizontal	95	1.16	-	33.66	6.15	34.77
AV	4.93236G	35.23	54.00	-18.77	30.20	3	Horizontal	95	1.16	-	33.64	6.17	34.78
PK	7.39112G	52.35	74.00	-21.65	43.11	3	Horizontal	132	2.55	-	36.90	7.67	35.33
AV	7.37728G	39.77	54.00	-14.23	30.54	3	Horizontal	132	2.55	-	36.90	7.67	35.34

2.4-2.4835GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

2422MHz_TX

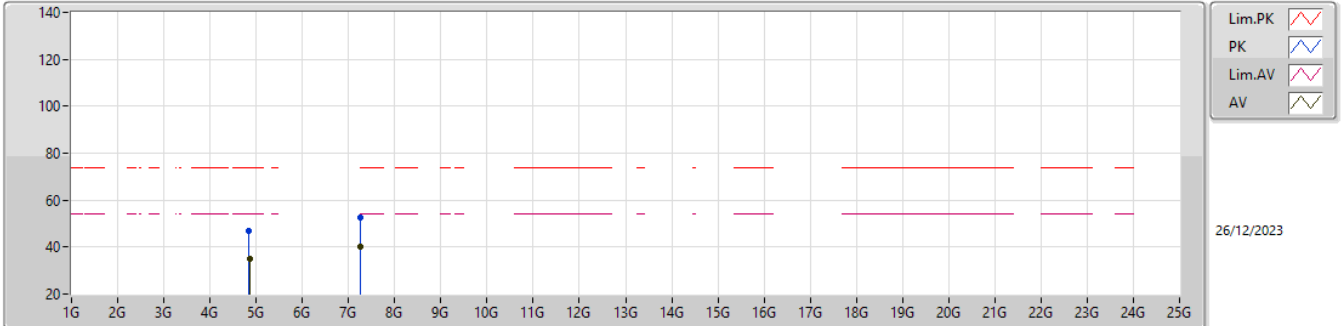


EUT_Z_4TX
Setting 90
06-D-S-4

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	66.21	74.00	-7.79	33.80	3	Vertical	180	1.30	-	27.70	4.71	-
AV	2.39G	53.79	54.00	-0.21	21.38	3	Vertical	180	1.30	-	27.70	4.71	-
PK	2.4284G	118.49	Inf	-Inf	86.22	3	Vertical	180	1.30	-	27.52	4.75	-
AV	2.4164G	109.82	Inf	-Inf	77.49	3	Vertical	180	1.30	-	27.60	4.73	-
PK	2.4835G	60.34	74.00	-13.66	28.14	3	Vertical	180	1.30	-	27.40	4.80	-
AV	2.4835G	49.70	54.00	-4.30	17.50	3	Vertical	180	1.30	-	27.40	4.80	-

2.4-2.4835GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

2422MHz_TX

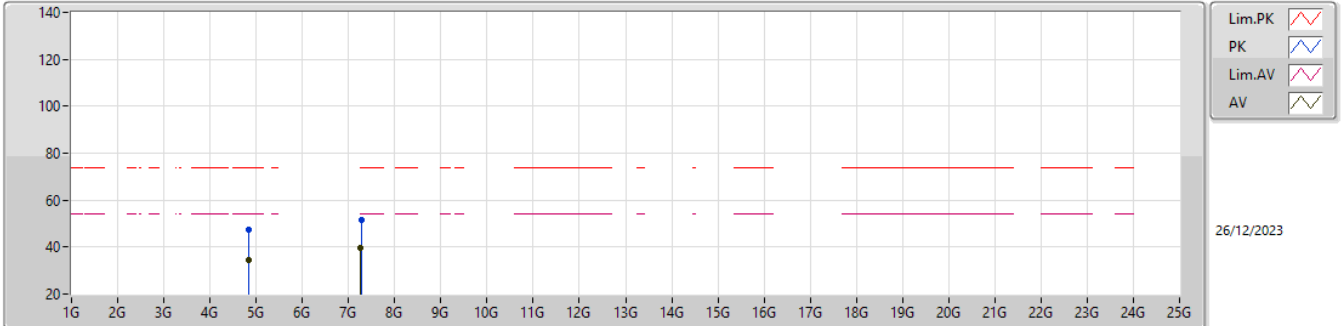


EUT_Z_4TX
Setting 90
03-R-A-4

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	4.83716G	47.11	74.00	-26.89	42.38	3	Vertical	144	1.58	-	33.40	6.03	34.70
AV	4.85184G	34.92	54.00	-19.08	30.17	3	Vertical	144	1.58	-	33.41	6.05	34.71
PK	7.26012G	52.49	74.00	-21.51	43.60	3	Vertical	41	1.41	-	36.64	7.66	35.41
AV	7.25612G	39.95	54.00	-14.05	31.08	3	Vertical	41	1.41	-	36.62	7.66	35.41

2.4-2.4835GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

2422MHz_TX

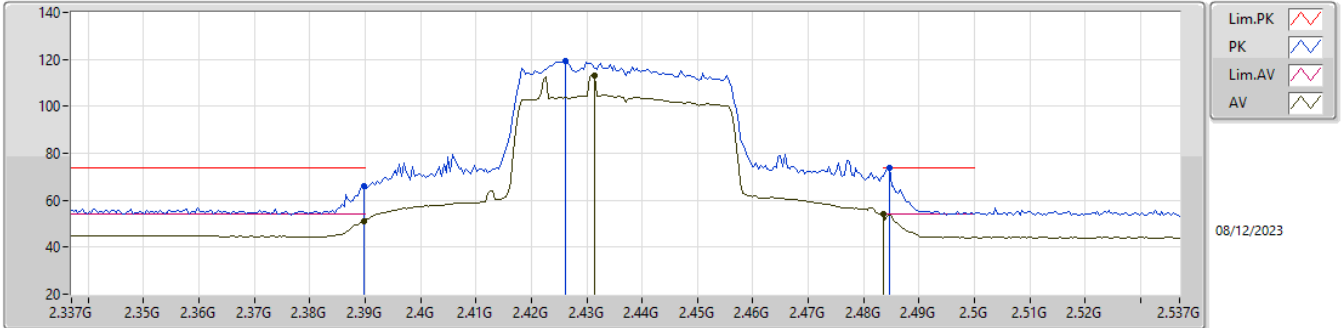


EUT_Z_4TX
Setting 90
03-R-A-4

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	4.84624G	47.16	74.00	-26.84	42.43	3	Horizontal	107	2.50	-	33.40	6.04	34.71
AV	4.84388G	34.73	54.00	-19.27	30.00	3	Horizontal	107	2.50	-	33.40	6.04	34.71
PK	7.26972G	51.77	74.00	-22.23	42.83	3	Horizontal	309	1.56	-	36.68	7.66	35.40
AV	7.25664G	39.84	54.00	-14.16	30.96	3	Horizontal	309	1.56	-	36.63	7.66	35.41

2.4-2.4835GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

2437MHz_TX

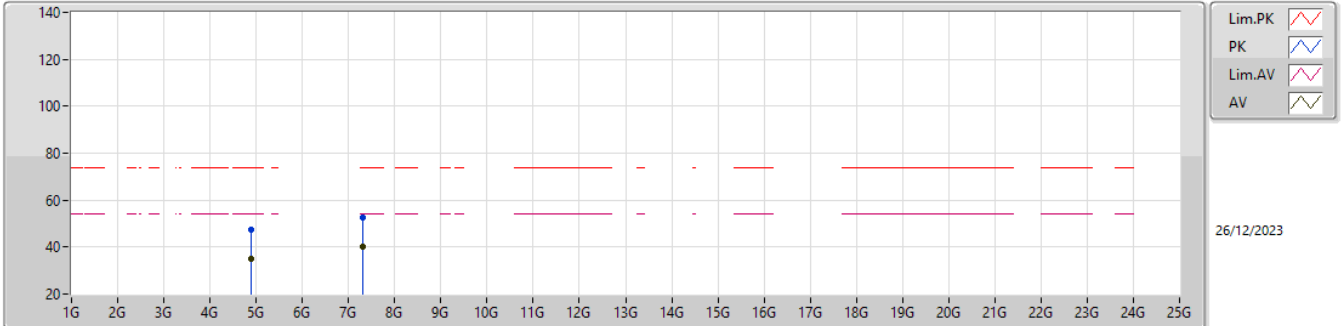


EUT_Z_4TX
Setting 79
06-D-S-4

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	66.07	74.00	-7.93	33.66	3	Vertical	184	2.23	-	27.70	4.71	-
AV	2.3898G	51.16	54.00	-2.84	18.75	3	Vertical	184	2.23	-	27.70	4.71	-
PK	2.4262G	119.13	Inf	-Inf	86.85	3	Vertical	184	2.23	-	27.54	4.74	-
AV	2.4314G	113.35	Inf	-Inf	81.10	3	Vertical	184	2.23	-	27.50	4.75	-
PK	2.4846G	73.69	74.00	-0.31	41.49	3	Vertical	184	2.23	-	27.40	4.80	-
AV	2.4835G	53.96	54.00	-0.04	21.76	3	Vertical	184	2.23	-	27.40	4.80	-

2.4-2.4835GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

2437MHz_TX

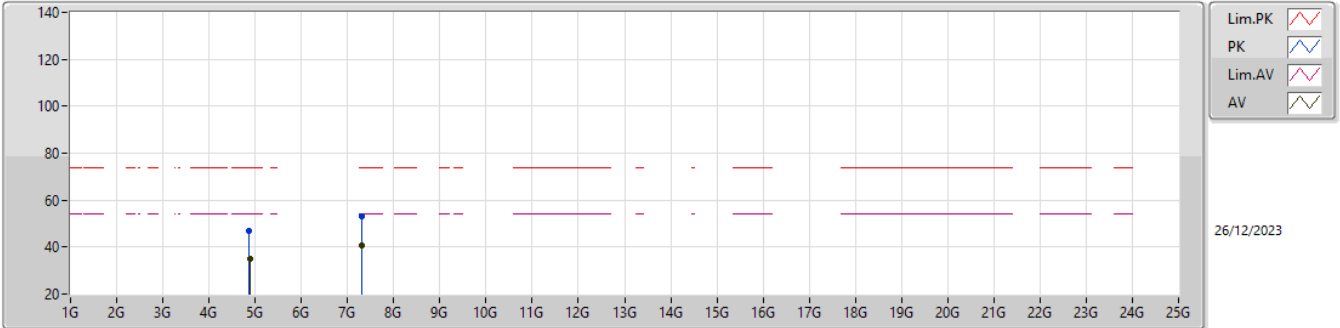


EUT_Z_4TX
Setting 79
03-R-A-4

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	4.87992G	47.29	74.00	-26.71	42.36	3	Vertical	351	2.25	-	33.58	6.09	34.74
AV	4.8826G	35.06	54.00	-18.94	30.11	3	Vertical	351	2.25	-	33.60	6.09	34.74
PK	7.31852G	52.46	74.00	-21.54	43.34	3	Vertical	294	1.07	-	36.84	7.66	35.38
AV	7.30808G	40.24	54.00	-13.76	31.14	3	Vertical	294	1.07	-	36.82	7.66	35.38

2.4-2.4835GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

2437MHz_TX

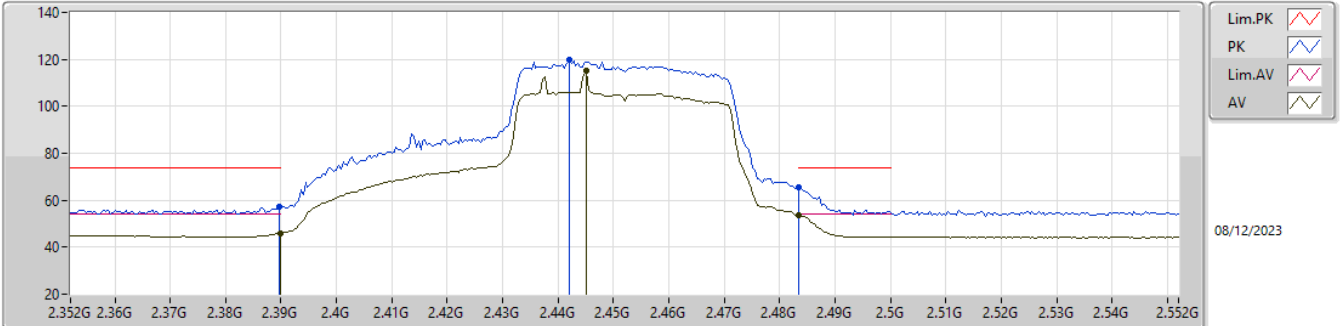


EUT_Z_4TX
Setting 79
03-R-A-4

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	4.87296G	47.00	74.00	-27.00	42.11	3	Horizontal	288	2.78	-	33.54	6.08	34.73
AV	4.88364G	35.08	54.00	-18.92	30.12	3	Horizontal	288	2.78	-	33.60	6.10	34.74
PK	7.30116G	53.12	74.00	-20.88	44.05	3	Horizontal	72	1.40	-	36.80	7.66	35.39
AV	7.3044G	40.47	54.00	-13.53	31.38	3	Horizontal	72	1.40	-	36.81	7.66	35.38

2.4-2.4835GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

2452MHz_TX

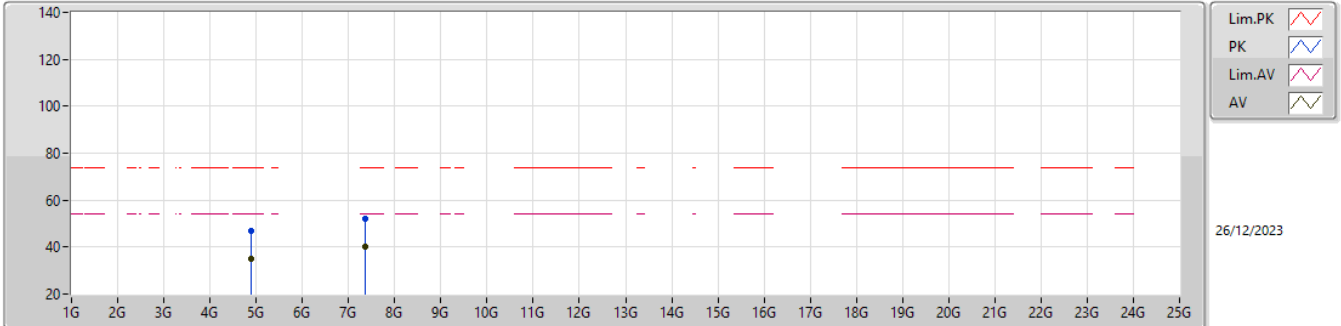


EUT_Z_4TX
Setting 84
06-D-S-4

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	2.3896G	57.17	74.00	-16.83	24.76	3	Vertical	6	2.72	-	27.70	4.71	-
AV	2.39G	46.05	54.00	-7.95	13.64	3	Vertical	6	2.72	-	27.70	4.71	-
PK	2.442G	119.69	Inf	-Inf	87.43	3	Vertical	6	2.72	-	27.50	4.76	-
AV	2.4452G	115.30	Inf	-Inf	83.04	3	Vertical	6	2.72	-	27.50	4.76	-
PK	2.4835G	65.36	74.00	-8.64	33.16	3	Vertical	6	2.72	-	27.40	4.80	-
AV	2.4835G	53.63	54.00	-0.37	21.43	3	Vertical	6	2.72	-	27.40	4.80	-

2.4-2.4835GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

2452MHz_TX

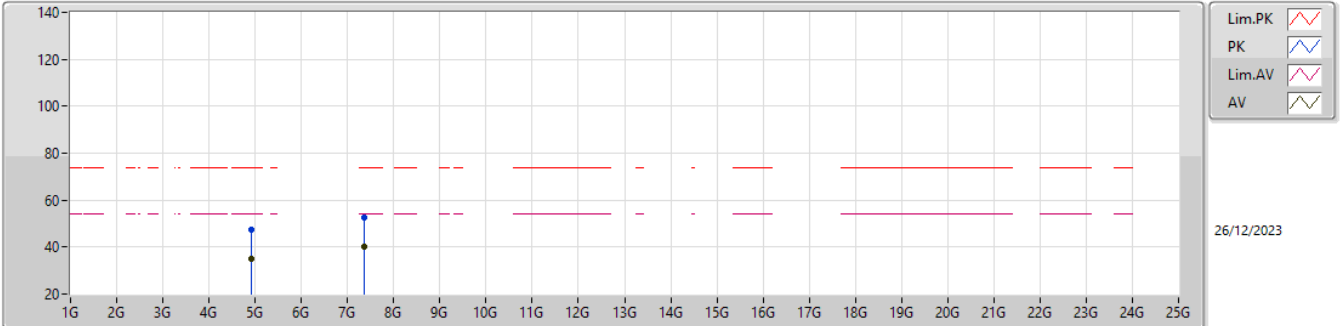


EUT_Z_4TX
Setting 84
03-R-A-4

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	4.89864G	47.04	74.00	-26.96	41.98	3	Vertical	129	2.92	-	33.69	6.12	34.75
AV	4.90104G	35.01	54.00	-18.99	29.94	3	Vertical	129	2.92	-	33.70	6.12	34.75
PK	7.36392G	52.24	74.00	-21.76	43.02	3	Vertical	138	2.03	-	36.90	7.67	35.35
AV	7.35632G	39.97	54.00	-14.03	30.75	3	Vertical	138	2.03	-	36.90	7.67	35.35

2.4-2.4835GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

2452MHz_TX



EUT_Z_4TX
Setting 84
03-R-A-4

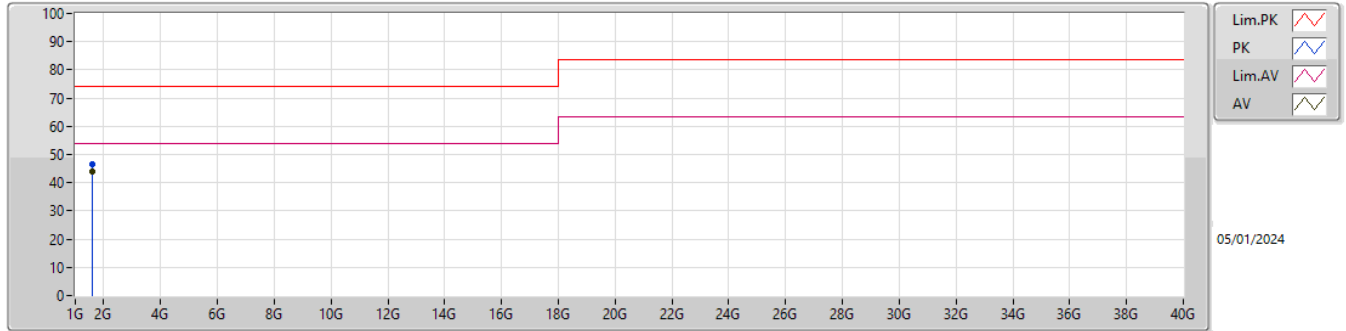
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.91152G	47.44	74.00	-26.56	42.38	3	Horizontal	287	2.72	-	33.68	6.14	34.76
AV	4.91032G	35.01	54.00	-18.99	29.95	3	Horizontal	287	2.72	-	33.68	6.14	34.76
PK	7.3568G	52.59	74.00	-21.41	43.37	3	Horizontal	8	1.44	-	36.90	7.67	35.35
AV	7.3644G	40.00	54.00	-14.00	30.78	3	Horizontal	8	1.44	-	36.90	7.67	35.35



Summary

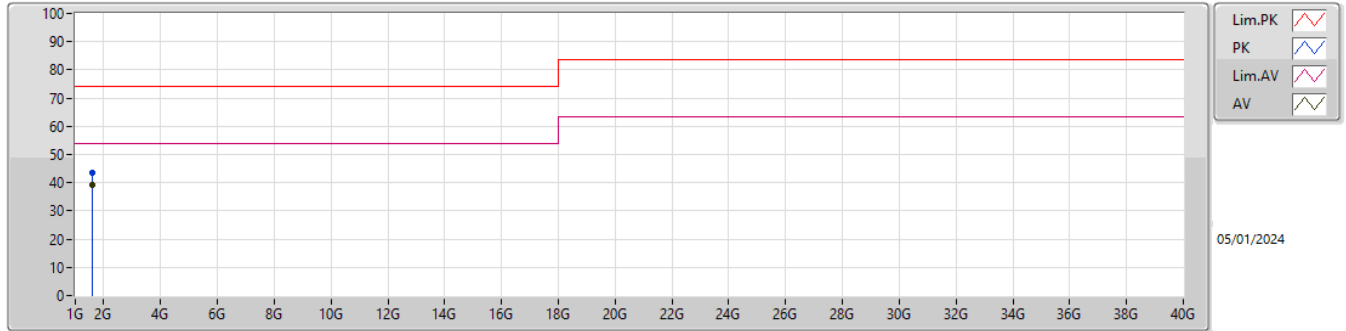
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.60003G	43.78	54.00	-10.22	Vertical

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	1.60001G	46.54	74.00	-27.46	-5.12	3	Vertical	16	2.28	-	51.66	25.20	3.84	34.16
AV	1.60003G	43.78	54.00	-10.22	-5.12	3	Vertical	14	2.28	"Worst"	48.90	25.20	3.84	34.16

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	1.60011G	43.37	74.00	-30.63	-5.12	3	Horizontal	160	2.13	-	48.49	25.20	3.84	34.16
AV	1.60001G	39.38	54.00	-14.62	-5.12	3	Horizontal	159	2.13	"Worst"	44.50	25.20	3.84	34.16