Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	MSQ-RTBE6J00
Equipment	:	ROG Rapture GT-BE19000 WiFi 7 Tri-band Gaming Router
Brand Name	:	ASUS
Model Name	:	GT-BE19000
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 Mar. 04, 2024, and testing was started from Mar. 05, 2024 and completed on May 09, 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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History of this test report

Report No.	Version	Description	Issued Date
FR422102AA	01	Initial issue of report	May 17, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(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/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

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

Reviewed by: Sam Chen
Report Producer: Vicky Huang

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

For EUT 1:

Ant.	Port			Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 6GHz	WLAN 2.4GHz	WLAN 5GHz					
1	1	-	-	WHA Yu	C660-510587-A	Dipole Antenna	I-PEX	Note 1
2	2	-	-	WHA Yu	C660-510588-A	Dipole Antenna	I-PEX	
3	3	-	-	WHA Yu	C660-510589-A	Dipole Antenna	I-PEX	
4	4	-	-	WHA Yu	C660-510590-A	Dipole Antenna	I-PEX	
5	-	1	1	WHA Yu	C660-510591-A	Dipole Antenna	I-PEX	
6	-	4	4	WHA Yu	C660-510592-A	Dipole Antenna	I-PEX	
7	-	3	3	WHA Yu	C660-510593-A	Dipole Antenna	I-PEX	
8	-	2	2	WHA Yu	C660-510594-A	Dipole Antenna	I-PEX	

For EUT 2:

Ant.	Port			Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 6GHz	WLAN 2.4GHz	WLAN 5GHz					
1	1	-	-	WHA Yu	C660-510587-AW1	Dipole Antenna	I-PEX	Note 1
2	2	-	-	WHA Yu	C660-510588-AW1	Dipole Antenna	I-PEX	
3	3	-	-	WHA Yu	C660-510589-AW1	Dipole Antenna	I-PEX	
4	4	-	-	WHA Yu	C660-510590-AW1	Dipole Antenna	I-PEX	
5	-	1	1	WHA Yu	C660-510591-AW1	Dipole Antenna	I-PEX	
6	-	4	4	WHA Yu	C660-510592-AW1	Dipole Antenna	I-PEX	
7	-	3	3	WHA Yu	C660-510593-AW1	Dipole Antenna	I-PEX	
8	-	2	2	WHA Yu	C660-510594-AW1	Dipole Antenna	I-PEX	

Note 1

Ant.	Antenna Gain (dBi)								
	WLAN 2.4GHz	WLAN 5GHz UNII 1	WLAN 5GHz UNII 2A	WLAN 5GHz UNII 2C	WLAN 5GHz UNII 3	WLAN 6GHz UNII 5	WLAN 6GHz UNII 6	WLAN 6GHz UNII 7	WLAN 6GHz UNII 8
1	-	-	-	-	-	1.75	1.52	2.13	2.17
2	-	-	-	-	-	1.95	2.41	2.19	1.64
3	-	-	-	-	-	1.61	1.96	1.51	1.93
4	-	-	-	-	-	1.98	1.44	1.47	2.21
5	2.09	1.52	1.17	1.98	1.08	-	-	-	-
6	1.84	2.29	2.9	3.09	2.51	-	-	-	-
7	2.91	2.7	3.04	2.48	3.39	-	-	-	-
8	2.14	1.21	1.19	3.23	1.87	-	-	-	-

Item	Directional gain (dBi)								
	WLAN 2.4GHz	WLAN 5GHz UNII 1	WLAN 5GHz UNII 2A	WLAN 5GHz UNII 2C	WLAN 5GHz UNII 3	WLAN 6GHz UNII 5	WLAN 6GHz UNII 6	WLAN 6GHz UNII 7	WLAN 6GHz UNII 8
4T1S	5.99	4.72	5.97	5.72	5.64	5.99	5.46	5.38	5.5
4T2S	2.99	2.7	3.04	3.23	3.39	2.99	2.46	2.38	2.5

Note 2: The above information(excepting antenna gain and directional gain) was declared by manufacturer.
Note 3: The antenna gain and directional gain are measured which follow the procedure of KDB 662911 D03.

Note 4: **For 2.4GHz function:**
For IEEE 802.11 b/g/n/VHT/ax/be (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.
For 5GHz function:
For IEEE 802.11a/n/ac/ax/be (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.
For 6GHz function:
For IEEE 802.11ax/be mode (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss 1,(1D)	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss 1,(6D)	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20-BF_Nss 1,(M0)	0.93	0.32	3.124m	1k
802.11be EHT20-BF_Nss 2,(M0)	0.949	0.23	4.662m	300
802.11be EHT40-BF_Nss 1,(M0)	0.965	0.15	4.655m	300
802.11be EHT40-BF_Nss 2,(M0)	0.956	0.2	4.664m	300

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax/be in 2.4GHz, n/ac/ax/be in 5GHz and ax/be in 6GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	Others: accessMtool 3.3.0.4 Beamforming: DOS[ver 6.1.7601]			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The difference for each EUT is shown as below:

EUT	Enclosure/Antenna Color	Heatsink Color on the Back of the EUT
1	Black	Red
2	White	Black

Note 1: The difference between EUT 1 and EUT 2 is only color, there is only EUT 1 tested and 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
Extender	Master
Mesh	Master

Note 1: After evaluating, AP Router mode was selected to test and recorded in the report.

Note 2: The above information was declared by manufacturer.

1.1.7 Table for Radio Function

Radio 1	Radio 2	Radio 3
WLAN 2.4GHz	WLAN 5GHz UNII 1~3	WLAN 6GHz UNII 5~8

Note: The above information was declared by manufacturer.

1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Jay Lo	22.6~23.5 / 64~66	Mar. 11, 2024~ Mar. 12, 2024
Radiated (below 1GHz)	03CH05-CB	Stim Sung	21.8-22.7 / 56-59	May 09, 2024
Radiated (above 1GHz)	03CH01-CB	Stim Sung	22.7-23.8 / 56-59	Mar. 05, 2024~ Mar. 09, 2024
	03CH06-CB		21.9-22.4 / 55-58	
Radiated (Co-location)	03CH03-CB	Stim Sung	21.4-22.5 / 55-58	Apr. 20, 2024
AC Conduction	CO01-CB	Gray Lee	22~23 / 51~52	May 09, 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
2457MHz
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
2427MHz
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 has been selected to test.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	AP Router Mode / WAN Mode_EUT 1-10G WAN/LAN1 (WAN) + 2.5G WAN/LAN1 (LAN) + 2.5G LAN 2 (LAN) + 1G LAN 5 (LAN) + 10G LAN 6 (LAN) + USB 2.0 Port (Read/Write) + USB 3.0 Port (Read/Write) + Adapter 1 with power cord
2	AP Router Mode / WAN Mode_EUT 1-2.5G WAN/LAN1 (WAN) + 10G WAN/LAN1 (LAN) + 2.5G LAN 2 (LAN) + 1G LAN 5 (LAN) + 10G LAN 6 (LAN) + USB 2.0 Port (Read/Write) + USB 3.0 Port (Read/Write) + Adapter 1 with power cord
3	AP Router Mode / WWAN Mode_EUT 1-10G WAN/LAN1 (LAN) + 2.5G WAN/LAN1 (LAN) + 2.5G LAN 2 (LAN) + 1G LAN 5 (LAN) + 10G LAN 6 (LAN) + USB 2.0 Port (WWAN) + USB 3.0 Port (Read/Write) + Adapter 1 with power cord
4	AP Router Mode / WWAN Mode_EUT 1-10G WAN/LAN1 (LAN) + 2.5G WAN/LAN1 (LAN) + 2.5G LAN 2 (LAN) + 1G LAN 5 (LAN) + 10G LAN 6 (LAN) + USB 2.0 Port (Read/Write) + USB 3.0 Port (WWAN) + Adapter 1 with power cord
Mode 4 has been evaluated to be the worst case among Mode 1~4, thus measurement for Mode 5 will follow this same test mode.	
5	AP Router Mode / WWAN Mode_EUT 1-10G WAN/LAN1 (LAN) + 2.5G WAN/LAN1 (LAN) + 2.5G LAN 2 (LAN) + 1G LAN 5 (LAN) + 10G LAN 6 (LAN) + USB 2.0 Port (Read/Write) + USB 3.0 Port (WWAN) + Adapter 3
For operating mode 5 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	
Operating Mode	1	EUT 1

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, the worst case was found at Z axis, thus the measurement will follow this same test configuration.
1	EUT 1 in Z axis_WLAN 2.4GHz + Adapter 1 with power cord
2	EUT 1 in Z axis_WLAN 5GHz + Adapter 1 with power cord
3	EUT 1 in Z axis_WLAN 6GHz + Adapter 1 with power cord
Mode 1 has been evaluated to be the worst case among Mode 1~3, so measurement for Mode 4 will follow this same test mode.	
4	EUT 1 in Z axis_WLAN 2.4GHz + Adapter 3
For operating mode 4 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
	After evaluating, the worst case was found at Z axis, thus the measurement will follow this same test configuration.
1	EUT 1 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, the worst case was found at Z axis, thus the measurement will follow this same test configuration.
1	EUT 1 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	EUT 1-WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz
2	EUT 1-WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz + WWAN
Refer to Sporton Test Report No.: FA422102 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.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Router and transmit duty cycle no less than 98%.

For Normal Link Mode:
During the test, the EUT operation to normal function.

2.4 Accessories

Power	Brand	Model	Rating	Remark
Adapter 1	AcBel	ADD011	INPUT: 100-240V~ 1.7A, 50-60Hz OUTPUT: +19.5V, 3.33A, 65.0W MAX.	With the DC cable: Non-shielded, 1.5m
Adapter 2	AcBel	ADD011	INPUT: 100-240V~ 1.7A, 50-60Hz OUTPUT: +19.5V, 3.33A, 65.0W MAX.	With the DC cable: Non-shielded, 1.5m
Adapter 3	LEI	MU60B3120500-A1	INPUT: 100-240V~50/60Hz, 1.5A OUTPUT: 12.0V, 5.0A	-
Others				
RJ-45 cable*1: Shielded, 1.5m Power cord*1: Non-shielded, 0.9m for Adapter 1 and Adapter 2 use				

Note1: Adapter 1 & Adapter 2 is identical; Therefore, Adapter 1 were selected to test and recorded in this report.
Note2: Refer to photographs of EUT for the detail information of difference between Adapter 1 & Adapter 2.

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	10G WAN/LAN1 PC	DELL	OPTIPLEX 3010	N/A
B	3G Dongle	CHT	E169	N/A
C	2.5G WAN/LAN1 PC	DELL	OPTIPLEX 3010	N/A
D	1G LAN5 PC	DELL	OPTIPLEX 3010	N/A
E	2.4G NB	Apple	A1278	N/A
F	5G NB	Apple	A1278	N/A
G	Flash disk3.0	Transcend	JetFlash-703	N/A
H	2.5G LAN4 PC	DELL	OPTIPLEX 3010	N/A
I	SIM Card	Anritsu	N/A	N/A
J	10G LAN6 PC	DELL	OPTIPLEX 3010	N/A
K	6G Client	ASUS	GT-AXE16000	N/A
L	6G Client NB	DELL	E6430	N/A
M	LTE Base station	Anritsu	MT8820C	N/A

For Radiated (below 1GHz):

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

For Radiated (above 1GHz):
Non-beamforming mode:

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

Beamforming mode:

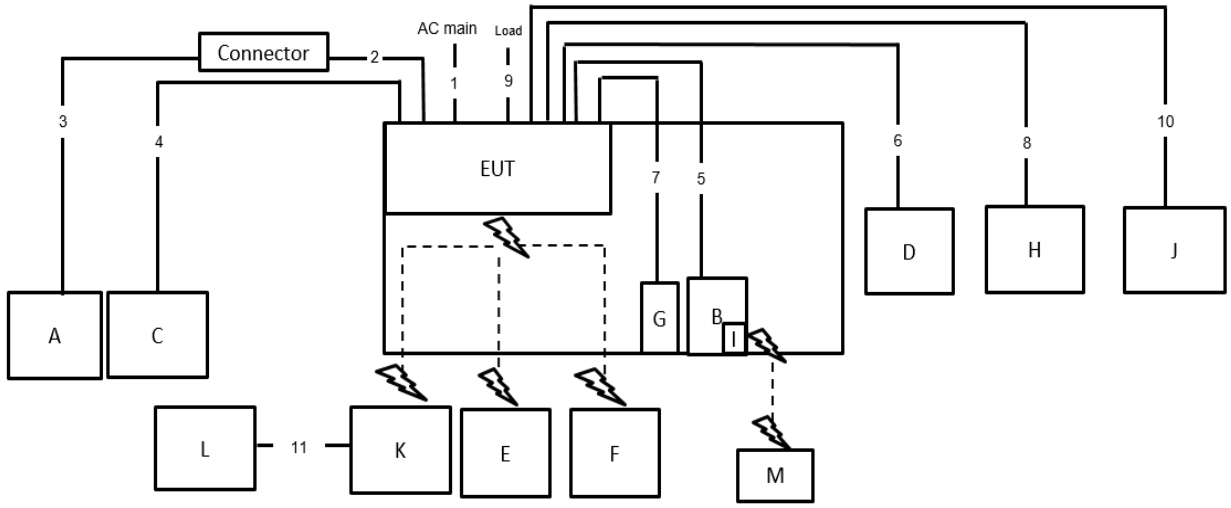
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	Router	ASUS	GT-BE19000 AFC	N/A
C	NB	DELL	E4300	N/A

For RF Conducted:

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

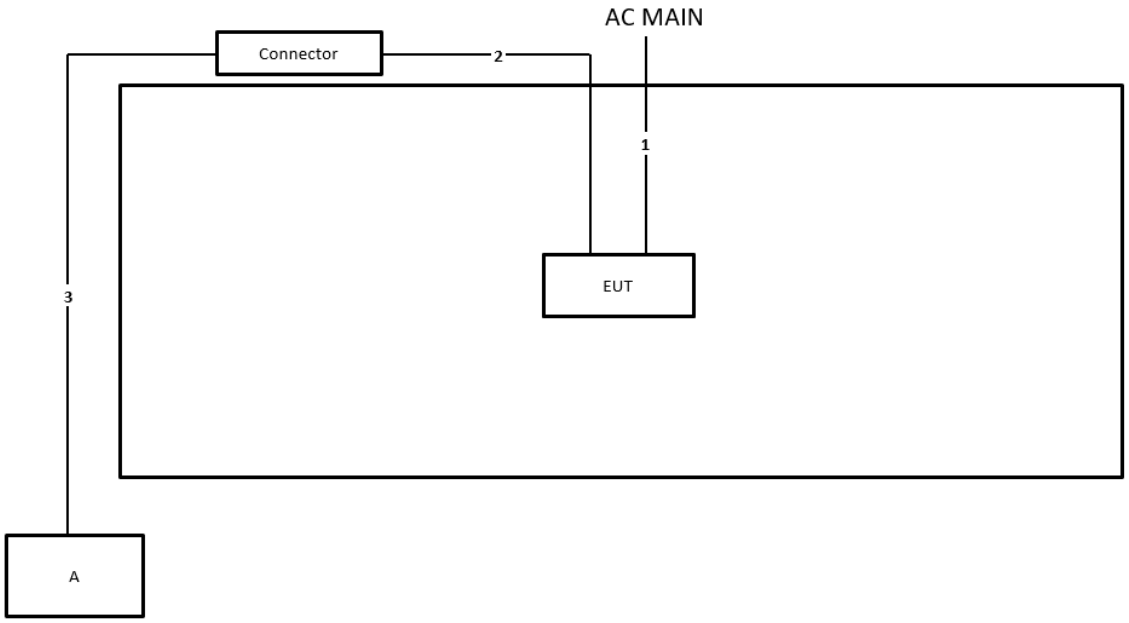
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



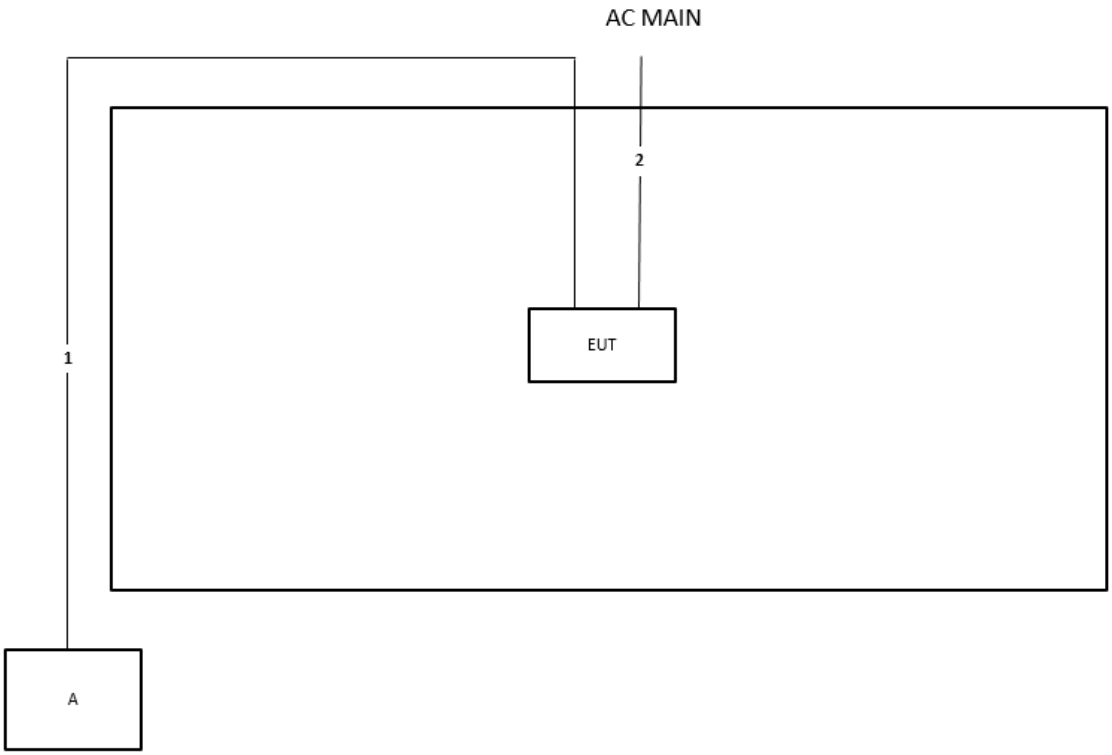
Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	Cat.6 RJ-45 cable	Yes	1.5m
3	Cat.6 RJ-45 cable	Yes	10m
4	Cat.5e RJ-45 cable	No	10m
5	USB cable	Yes	1.8m
6	Cat.5e RJ-45 cable	No	10m
7	USB cable	Yes	1.8m
8	Cat.5e RJ-45 cable	No	10m
9	Cat.5e RJ-45 cable*2	No	1.5m
10	Cat.6 RJ-45 cable	No	10m
11	Cat.5e RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test < 1GHz



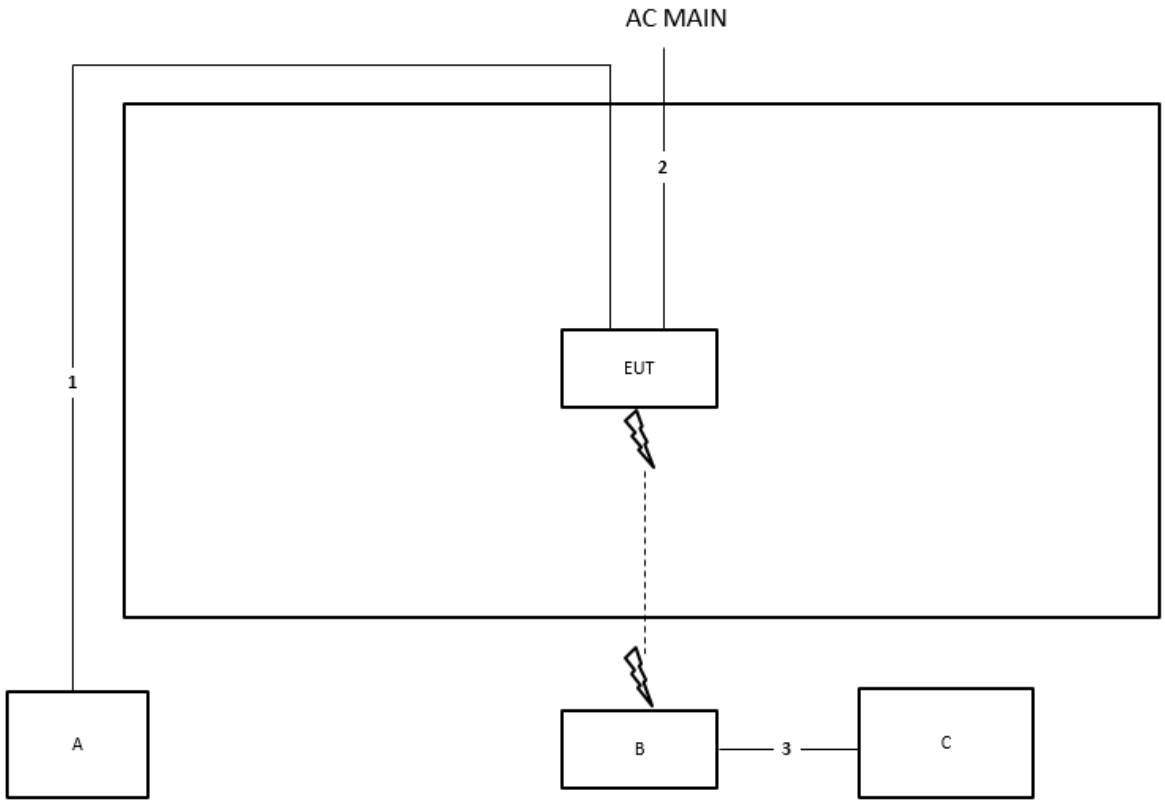
Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	Yes	1.5m
3	RJ-45 cable	Yes	10m

Test Setup Diagram - Radiated Test > 1GHz
(Non-beamforming mode)



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

Test Setup Diagram - Radiated Test > 1GHz
(Beamforming mode)



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	2.4m
3	RJ-45 cable	No	1.5m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

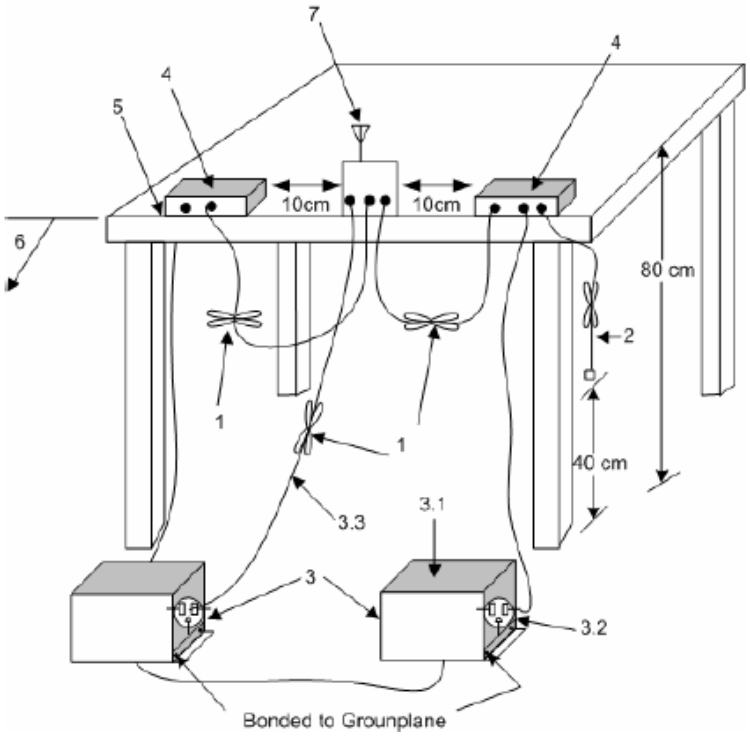
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

b. Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
▪ 6 dB bandwidth ≥ 500 kHz.

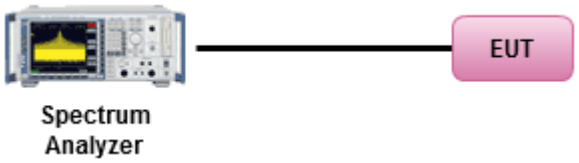
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
	☒ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
	☐ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
	☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


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		
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)	
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)$ dBm	
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm	
	▪ Smart antenna system (SAS):	
		- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm
		- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm
		- 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	
▪ Maximum Peak Conducted Output Power	
	☐ Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	☐ Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
▪ Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	☐ 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
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	☐ 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)
	☐ 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).
	☒ 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).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


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
▪ Power Spectral Density (PSD) ≤ 8 dBm/3kHz

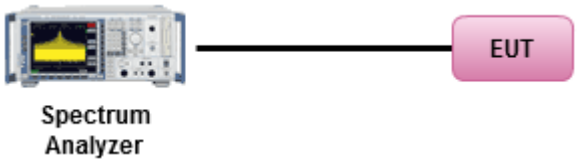
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method			
▪ 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).			
	☒ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD.		
▪ For conducted measurement.			
	▪ If The EUT supports multiple transmit chains using options given below:		
		☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.	
		☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,	
		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.	

3.4.4 Test Setup

Power Spectral Density


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

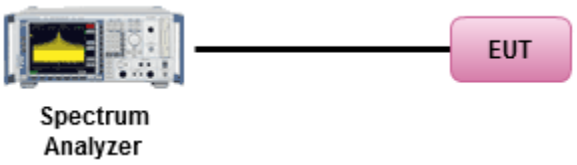
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method
▪ Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands



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.

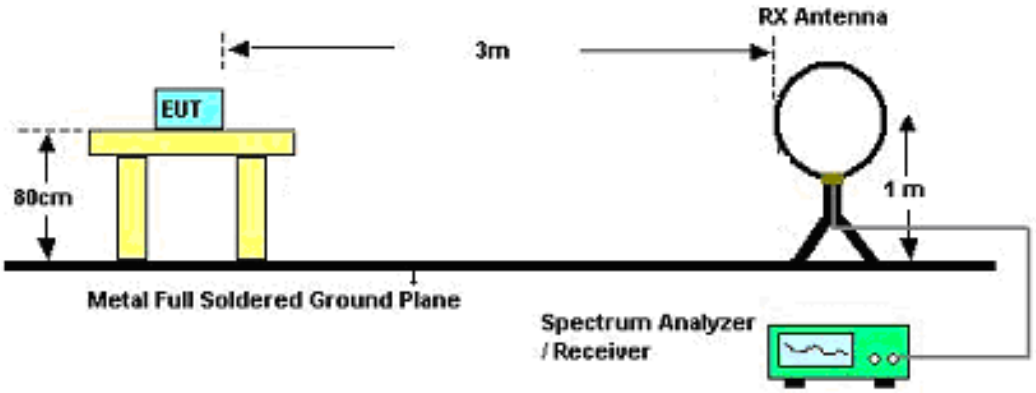
3.6.3 Test Procedures

Test Method			
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].			
▪ 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.			
▪ For the transmitter unwanted emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.		
		☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle ≥98%).
		☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
		☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW≥1/T).
		☐	Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐	Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
		☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:			
	▪ 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.		
	▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.		
	▪ 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).		
	▪ 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		
	▪ 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.		

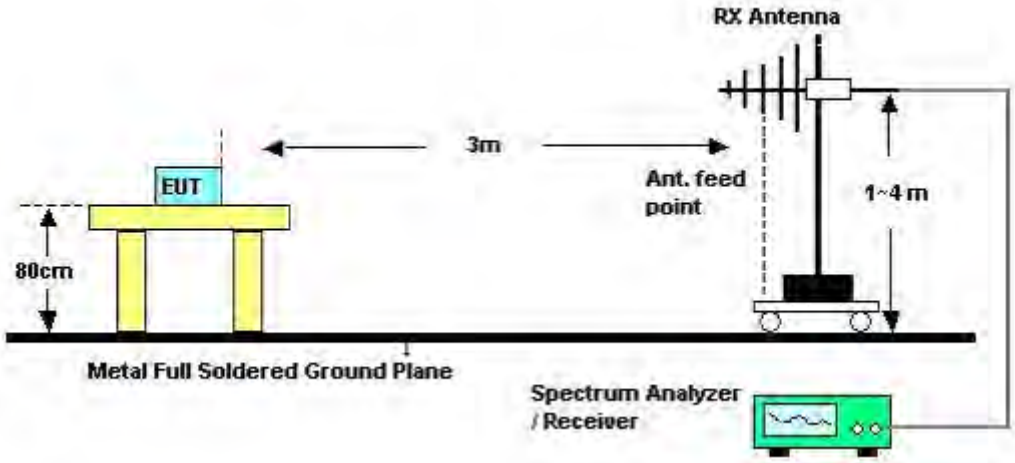
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

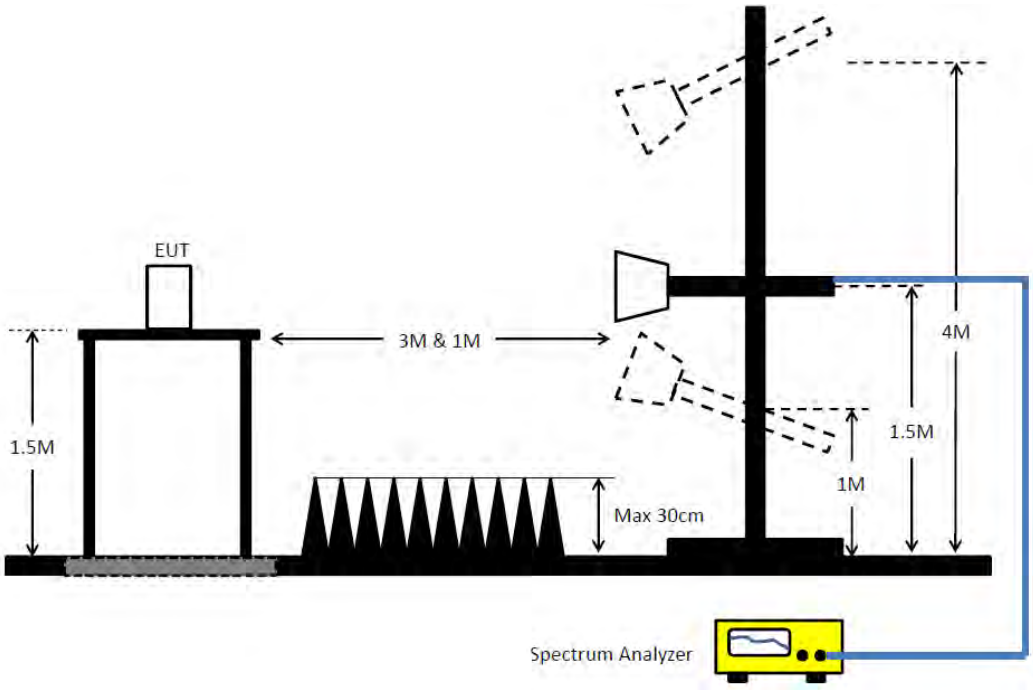
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Measurement Results Calculation

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

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 01, 2024	Feb. 28, 2025	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 19, 2024	Feb. 18, 2025	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 24, 2024	Apr. 23, 2025	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 08, 2024	Feb. 07, 2025	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
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. 23, 2024	Mar. 22, 2025	Radiation (03CH05-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 13, 2023	Oct. 12, 2024	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 02, 2024	May 01, 2025	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 17, 2024	Apr. 16, 2025	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)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 05, 2023	May 04, 2024	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120D-01816	1GHz~18GHz	Dec. 20, 2023	Dec. 19, 2024	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 18, 2023	May 17, 2024	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Nov. 28, 2023	Nov. 27, 2024	Radiation (03CH01-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-low	Woken	RG402	Low Cable-31+32	30 MHz ~ 1 GHz	Nov. 06, 2023	Nov. 05, 2024	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Nov. 06, 2023	Nov. 05, 2024	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Nov. 06, 2023	Nov. 05, 2024	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-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	Jan. 24, 2024	Jan. 23, 2025	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)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Feb. 29, 2024	Feb. 28, 2025	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Feb. 29, 2024	Feb. 28, 2025	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 31, 2023	Jul. 30, 2024	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug. 01, 2023	Jul. 31, 2024	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	May 29, 2023	May 28, 2024	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)

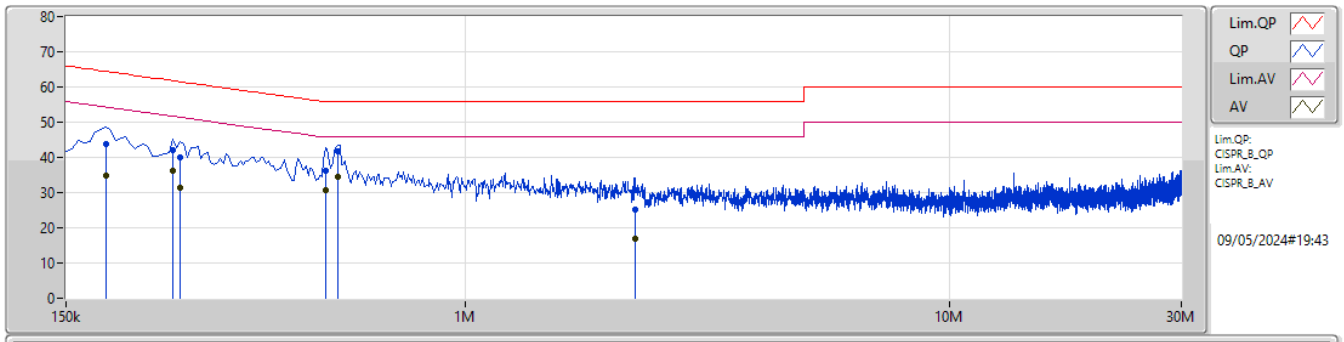
Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	100979	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	Mar. 01, 2024	Feb. 28, 2025	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Mar. 04, 2024	Mar. 03, 2025	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

Summary

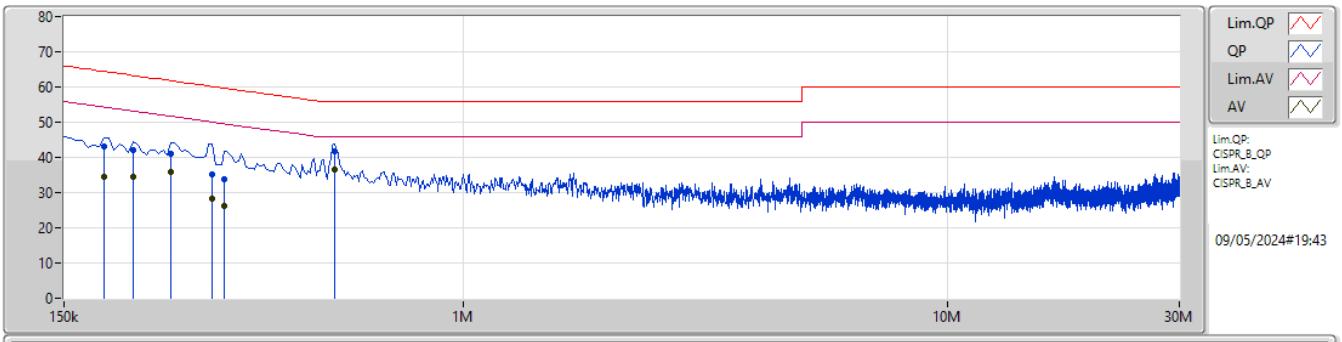
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 5	Pass	AV	541.5k	36.60	46.00	-9.40	Neutral

Mode 5



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	181.5k	43.70	64.41	-20.71	9.92	Line	-	33.78	0.04	0.02	9.86
AV	181.5k	34.78	54.41	-19.63	9.92	Line	-	24.86	0.04	0.02	9.86
QP	249k	42.11	61.79	-19.68	9.92	Line	-	32.19	0.04	0.02	9.86
AV	249k	36.07	51.79	-15.72	9.92	Line	-	26.15	0.04	0.02	9.86
QP	258k	39.98	61.49	-21.51	9.92	Line	-	30.06	0.04	0.02	9.86
AV	258k	31.22	51.49	-20.27	9.92	Line	-	21.30	0.04	0.02	9.86
QP	514.5k	36.13	56.00	-19.87	9.98	Line	-	26.15	0.06	0.02	9.90
AV	514.5k	30.86	46.00	-15.14	9.98	Line	-	20.88	0.06	0.02	9.90
QP	546k	41.78	56.00	-14.22	9.98	Line	-	31.80	0.06	0.02	9.90
AV	546k	34.65	46.00	-11.35	9.98	Line	"Worst"	24.67	0.06	0.02	9.90
QP	2.238M	25.21	56.00	-30.79	10.08	Line	-	15.13	0.11	0.08	9.89
AV	2.238M	17.03	46.00	-28.97	10.08	Line	-	6.95	0.11	0.08	9.89

Mode 5



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	181.5k	43.16	64.41	-21.25	9.94	Neutral	-	33.22	0.06	0.02	9.86
AV	181.5k	34.52	54.41	-19.89	9.94	Neutral	-	24.58	0.06	0.02	9.86
QP	208.5k	42.00	63.27	-21.27	9.93	Neutral	-	32.07	0.06	0.02	9.85
AV	208.5k	34.55	53.27	-18.72	9.93	Neutral	-	24.62	0.06	0.02	9.85
QP	249k	41.12	61.79	-20.67	9.94	Neutral	-	31.18	0.06	0.02	9.86
AV	249k	35.82	51.79	-15.97	9.94	Neutral	-	25.88	0.06	0.02	9.86
QP	303k	35.25	60.17	-24.92	9.95	Neutral	-	25.30	0.06	0.02	9.87
AV	303k	28.31	50.17	-21.86	9.95	Neutral	-	18.36	0.06	0.02	9.87
QP	321k	33.76	59.67	-25.91	9.96	Neutral	-	23.80	0.06	0.02	9.88
AV	321k	26.06	49.67	-23.61	9.96	Neutral	-	16.10	0.06	0.02	9.88
QP	541.5k	41.58	56.00	-14.42	9.98	Neutral	-	31.60	0.06	0.02	9.90
AV	541.5k	36.60	46.00	-9.40	9.98	Neutral	"Worst"	26.62	0.06	0.02	9.90

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	7.325M	10.3M	10M3G1D	5.725M	10.18M
802.11g_Nss1,(6Mbps)_4TX	16.525M	16.976M	17M0D1D	15.8M	16.624M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	19.15M	19.515M	19M5D1D	18.6M	18.941M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	19.175M	19.215M	19M2D1D	18.675M	18.991M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	38.1M	37.831M	37M8D1D	37.2M	37.581M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	38.1M	37.931M	37M9D1D	36.6M	37.581M

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	7.075M	10.285M	5.725M	10.21M	6.55M	10.24M	6.05M	10.255M
2437MHz	Pass	500k	6.825M	10.195M	6.575M	10.18M	7.175M	10.21M	6.6M	10.24M
2462MHz	Pass	500k	7.125M	10.255M	7.1M	10.255M	6.55M	10.3M	7.325M	10.255M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.375M	16.932M	16.375M	16.976M	16.45M	16.91M	16.525M	16.954M
2437MHz	Pass	500k	16.425M	16.624M	16.375M	16.646M	16.4M	16.69M	16.45M	16.69M
2462MHz	Pass	500k	16.5M	16.822M	16.35M	16.712M	15.8M	16.91M	16.375M	16.888M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	19.1M	19.24M	19.075M	19.04M	19.1M	19.165M	19.15M	19.09M
2437MHz	Pass	500k	18.6M	19.115M	18.95M	19.015M	19.075M	19.015M	19.075M	18.941M
2462MHz	Pass	500k	18.975M	19.24M	19.1M	19.515M	19.05M	19.115M	18.975M	19.065M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	38.1M	37.786M	38M	37.744M	38M	37.779M	37.95M	37.72M
2437MHz	Pass	500k	37.85M	37.581M	37.85M	37.631M	38M	37.681M	37.85M	37.681M
2452MHz	Pass	500k	37.6M	37.781M	38.1M	37.731M	37.4M	37.731M	37.2M	37.831M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	19.175M	19.115M	19.075M	19.19M	19.125M	19.14M	19.1M	19.09M
2437MHz	Pass	500k	19.025M	19.015M	19.075M	18.991M	19.075M	18.991M	19.025M	18.991M
2462MHz	Pass	500k	19.05M	19.065M	19.075M	19.215M	18.675M	19.04M	19.1M	19.015M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37M	37.781M	38.05M	37.731M	37.4M	37.831M	37.75M	37.731M
2437MHz	Pass	500k	38M	37.681M	38.05M	37.581M	37.85M	37.681M	38.1M	37.681M
2452MHz	Pass	500k	37.85M	37.931M	36.6M	37.731M	38.1M	37.831M	38M	37.831M

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	29.98	0.99541
802.11g_Nss1,(6Mbps)_4TX	29.76	0.94624
802.11be EHT20-BF_Nss1,(MCS0)_4TX	28.34	0.68234
802.11be EHT20-BF_Nss2,(MCS0)_4TX	29.80	0.95499
802.11be EHT40-BF_Nss1,(MCS0)_4TX	24.78	0.30061
802.11be EHT40-BF_Nss2,(MCS0)_4TX	28.06	0.63973

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	2.91	23.53	24.47	23.94	23.59	29.92	30.00
2437MHz	Pass	2.91	23.64	24.29	24.15	23.73	29.98	30.00
2457MHz	Pass	2.91	21.94	22.17	22.53	22.13	28.22	30.00
2462MHz	Pass	2.91	21.02	21.47	21.47	21.34	27.35	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.91	21.86	22.69	22.30	22.17	28.29	30.00
2437MHz	Pass	2.91	23.32	24.10	23.89	23.59	29.76	30.00
2457MHz	Pass	2.91	22.81	23.48	23.64	23.33	29.35	30.00
2462MHz	Pass	2.91	19.65	20.24	19.91	20.08	26.00	30.00
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.99	19.52	19.89	19.37	19.59	25.62	30.00
2437MHz	Pass	5.99	22.00	22.43	22.46	22.36	28.34	30.00
2457MHz	Pass	5.99	20.22	20.79	20.53	20.78	26.61	30.00
2462MHz	Pass	5.99	17.49	17.82	17.49	17.77	23.67	30.00
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.99	18.80	18.96	18.41	18.83	24.78	30.00
2427MHz	Pass	5.99	16.37	17.05	16.26	16.42	22.56	30.00
2437MHz	Pass	5.99	17.91	17.75	17.56	17.75	23.76	30.00
2452MHz	Pass	5.99	16.83	16.80	16.56	16.71	22.75	30.00
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.99	20.68	21.26	20.85	20.88	26.94	30.00
2437MHz	Pass	2.99	23.28	24.09	23.97	23.75	29.80	30.00
2457MHz	Pass	2.99	20.56	20.92	21.05	20.95	26.89	30.00
2462MHz	Pass	2.99	19.92	20.41	20.13	20.36	26.23	30.00
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	2.99	21.87	22.29	22.13	21.86	28.06	30.00
2437MHz	Pass	2.99	18.56	18.74	18.24	18.57	24.55	30.00
2452MHz	Pass	2.99	16.54	16.41	16.32	16.55	22.48	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	4.48
802.11g_Nss1,(6Mbps)_4TX	1.50
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-1.52
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-0.23
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-7.75
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-4.14

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	5.99	-0.49	0.62	-0.33	-0.43	4.47	8.00
2437MHz	Pass	5.99	-0.61	1.19	0.28	-0.54	4.48	8.00
2462MHz	Pass	5.99	-2.87	-2.95	-2.83	-2.37	2.28	8.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.99	-3.09	-4.05	-4.69	-4.07	0.08	8.00
2437MHz	Pass	5.99	-3.03	-2.68	-1.88	-3.09	1.50	8.00
2462MHz	Pass	5.99	-6.51	-6.41	-5.52	-6.56	-2.52	8.00
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.99	-8.10	-7.47	-7.48	-6.54	-4.05	8.00
2437MHz	Pass	5.99	-4.31	-4.55	-5.36	-4.89	-1.52	8.00
2462MHz	Pass	5.99	-9.82	-8.87	-8.82	-9.19	-6.18	8.00
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.99	-12.29	-10.53	-11.99	-11.08	-7.75	8.00
2437MHz	Pass	5.99	-10.58	-12.77	-11.97	-11.85	-8.35	8.00
2452MHz	Pass	5.99	-13.19	-12.12	-13.90	-12.72	-9.92	8.00
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.99	-4.54	-6.47	-6.03	-6.76	-2.01	8.00
2437MHz	Pass	2.99	-3.86	-2.61	-4.44	-3.69	-0.23	8.00
2462MHz	Pass	2.99	-7.16	-6.08	-7.03	-6.64	-3.20	8.00
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	2.99	-7.55	-6.94	-5.78	-7.08	-4.14	8.00
2437MHz	Pass	2.99	-10.63	-11.45	-11.29	-10.01	-7.29	8.00
2452MHz	Pass	2.99	-13.18	-13.00	-14.06	-13.38	-10.01	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;

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	2.43641G	16.03	-13.97	725.51M	-52.48	2.39904G	-35.44	2.4G	-37.75	2.50654G	-51.43	15.18901G	-46.11	4
802.11g_Nss1,(6Mbps)_4TX	Pass	2.44192G	12.73	-17.27	844.34M	-51.73	2.4G	-33.15	2.4G	-28.86	2.5171G	-50.67	24.47461G	-45.03	1
802.11be EHT20-BF_Nss1,(MCS0)_4TX	Pass	2.43073G	11.53	-18.47	735.99M	-52.13	2.4G	-32.49	2.4G	-29.73	2.5115G	-50.60	24.68252G	-46.21	4
802.11be EHT20-BF_Nss2,(MCS0)_4TX	Pass	2.4319G	12.88	-17.12	782.59M	-52.00	2.4G	-30.74	2.4G	-28.81	2.51918G	-51.01	15.19463G	-44.71	4
802.11be EHT40-BF_Nss1,(MCS0)_4TX	Pass	2.42572G	4.80	-25.20	2.17344G	-54.75	2.4G	-30.51	2.4G	-28.65	2.52062G	-55.17	21.556G	-47.36	4
802.11be EHT40-BF_Nss2,(MCS0)_4TX	Pass	2.43691G	8.39	-21.61	918.52M	-52.15	2.4G	-28.62	2.4G	-25.39	2.5299G	-51.04	15.19805G	-44.87	1

Result

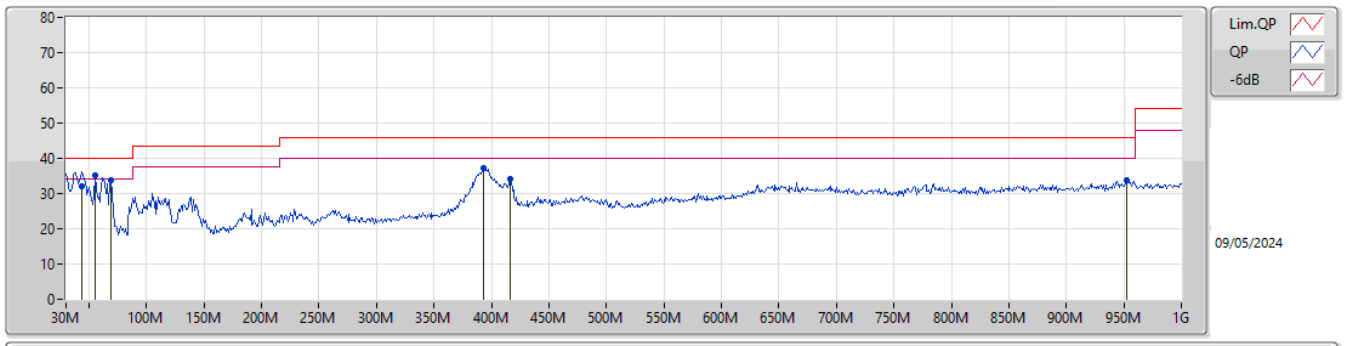
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43641G	16.03	-13.97	2.30641G	-52.72	2.39904G	-36.10	2.4G	-38.06	2.51886G	-50.06	21.93196G	-45.53	1
2412MHz	Pass	2.43641G	16.03	-13.97	880.45M	-52.73	2.39904G	-36.03	2.4G	-38.33	2.52142G	-50.98	16.56288G	-45.53	2
2412MHz	Pass	2.43641G	16.03	-13.97	639.3M	-51.93	2.39904G	-35.67	2.4G	-37.02	2.50422G	-51.49	15.19182G	-45.39	3
2412MHz	Pass	2.43641G	16.03	-13.97	725.51M	-52.48	2.39904G	-35.44	2.4G	-37.75	2.50654G	-51.43	15.18901G	-46.11	4
2437MHz	Pass	2.43641G	16.03	-13.97	844.34M	-52.63	2.39936G	-48.17	2.4G	-49.57	2.52246G	-51.52	15.16934G	-45.77	1
2437MHz	Pass	2.43641G	16.03	-13.97	696.38M	-51.73	2.39976G	-47.92	2.4G	-50.86	2.50494G	-51.60	21.83924G	-44.90	2
2437MHz	Pass	2.43641G	16.03	-13.97	670.75M	-51.94	2.39968G	-48.11	2.4G	-50.20	2.5131G	-51.22	16.40274G	-45.46	3
2437MHz	Pass	2.43641G	16.03	-13.97	2.15147G	-52.04	2.39752G	-47.49	2.4G	-48.61	2.5159G	-51.01	15.19744G	-44.68	4
2462MHz	Pass	2.43641G	16.03	-13.97	819.87M	-53.02	2.39368G	-50.34	2.4G	-51.89	2.5227G	-50.80	21.92634G	-45.89	1
2462MHz	Pass	2.43641G	16.03	-13.97	882.78M	-51.62	2.39912G	-50.87	2.4G	-51.58	2.51982G	-51.29	24.46618G	-44.61	2
2462MHz	Pass	2.43641G	16.03	-13.97	862.98M	-51.12	2.39816G	-50.67	2.4G	-51.42	2.50078G	-51.37	15.18901G	-44.99	3
2462MHz	Pass	2.43641G	16.03	-13.97	742.98M	-53.02	2.398G	-50.23	2.4G	-51.36	2.50374G	-50.68	24.09251G	-45.14	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	12.73	-17.27	844.34M	-51.73	2.4G	-33.15	2.4G	-28.86	2.5171G	-50.67	24.47461G	-45.03	1
2412MHz	Pass	2.44192G	12.73	-17.27	719.68M	-51.92	2.39992G	-33.88	2.4G	-29.80	2.52286G	-51.61	15.18058G	-45.46	2
2412MHz	Pass	2.44192G	12.73	-17.27	772.11M	-52.36	2.39824G	-34.47	2.4G	-30.52	2.51582G	-51.04	21.90667G	-45.62	3
2412MHz	Pass	2.44192G	12.73	-17.27	829.19M	-52.62	2.39984G	-31.97	2.4G	-29.18	2.52038G	-51.65	24.51395G	-45.72	4
2437MHz	Pass	2.44192G	12.73	-17.27	798.9M	-52.97	2.39824G	-43.02	2.4G	-44.68	2.50006G	-51.15	24.46337G	-45.66	1
2437MHz	Pass	2.44192G	12.73	-17.27	809.39M	-51.90	2.39856G	-43.18	2.4G	-42.22	2.51174G	-51.36	16.5095G	-45.91	2
2437MHz	Pass	2.44192G	12.73	-17.27	801.23M	-52.78	2.39768G	-44.82	2.4G	-45.59	2.50286G	-51.20	15.18339G	-46.45	3
2437MHz	Pass	2.44192G	12.73	-17.27	780.26M	-51.71	2.39952G	-43.02	2.4G	-44.72	2.51406G	-51.96	15.19463G	-45.06	4
2462MHz	Pass	2.44192G	12.73	-17.27	1.83109G	-52.58	2.3988G	-50.41	2.4G	-50.73	2.51478G	-51.15	15.18901G	-45.64	1
2462MHz	Pass	2.44192G	12.73	-17.27	724.34M	-52.04	2.39912G	-49.92	2.4G	-51.86	2.52206G	-51.54	15.17496G	-45.39	2
2462MHz	Pass	2.44192G	12.73	-17.27	885.11M	-51.94	2.39976G	-50.78	2.4G	-52.19	2.50934G	-50.67	15.15529G	-44.84	3
2462MHz	Pass	2.44192G	12.73	-17.27	643.96M	-52.62	2.39928G	-50.16	2.4G	-50.37	2.50862G	-51.55	24.49428G	-45.75	4
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	11.53	-18.47	904.92M	-52.11	2.4G	-33.34	2.4G	-31.67	2.52102G	-51.56	24.52799G	-45.41	1
2412MHz	Pass	2.43073G	11.53	-18.47	868.8M	-52.17	2.4G	-33.70	2.4G	-31.19	2.51614G	-51.50	24.97471G	-45.39	2
2412MHz	Pass	2.43073G	11.53	-18.47	535.61M	-52.41	2.39992G	-34.72	2.4G	-32.41	2.51574G	-51.00	15.19182G	-45.64	3
2412MHz	Pass	2.43073G	11.53	-18.47	735.99M	-52.13	2.4G	-32.49	2.4G	-29.73	2.5115G	-50.60	24.68252G	-46.21	4
2437MHz	Pass	2.43073G	11.53	-18.47	846.67M	-51.51	2.39976G	-43.42	2.4G	-42.80	2.50326G	-50.18	6.96823G	-45.06	1
2437MHz	Pass	2.43073G	11.53	-18.47	725.51M	-52.99	2.39976G	-41.83	2.4G	-43.34	2.51118G	-50.13	15.18339G	-45.70	2
2437MHz	Pass	2.43073G	11.53	-18.47	752.3M	-52.33	2.3996G	-44.15	2.4G	-42.99	2.5151G	-50.91	15.13282G	-45.65	3
2437MHz	Pass	2.43073G	11.53	-18.47	756.96M	-51.76	2.4G	-42.31	2.4G	-41.23	2.50926G	-51.29	15.1862G	-44.66	4
2462MHz	Pass	2.43073G	11.53	-18.47	920.06M	-52.61	2.39648G	-51.46	2.4G	-53.09	2.50302G	-51.28	24.43247G	-45.82	1
2462MHz	Pass	2.43073G	11.53	-18.47	911.91M	-52.51	2.39952G	-51.56	2.4G	-53.03	2.51174G	-51.28	24.89605G	-45.27	2
2462MHz	Pass	2.43073G	11.53	-18.47	809.39M	-52.73	2.39752G	-50.49	2.4G	-52.56	2.52078G	-50.94	15.14405G	-45.43	3
2462MHz	Pass	2.43073G	11.53	-18.47	1.97322G	-52.48	2.39952G	-50.68	2.4G	-52.77	2.5151G	-51.08	15.19182G	-45.58	4
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42572G	4.80	-25.20	32.29M	-53.90	2.4G	-31.13	2.4G	-30.84	2.56206G	-54.48	21.9907G	-48.07	1
2422MHz	Pass	2.42572G	4.80	-25.20	1.65934G	-54.50	2.4G	-32.58	2.4G	-31.73	2.52798G	-54.55	21.71025G	-47.74	2
2422MHz	Pass	2.42572G	4.80	-25.20	1.73033G	-54.30	2.4G	-32.31	2.4G	-30.39	2.55838G	-54.96	21.63453G	-48.25	3
2422MHz	Pass	2.42572G	4.80	-25.20	2.17344G	-54.75	2.4G	-30.51	2.4G	-28.65	2.52062G	-55.17	21.556G	-47.36	4
2437MHz	Pass	2.42572G	4.80	-25.20	1.97307G	-55.02	2.3992G	-39.58	2.4G	-41.91	2.5531G	-54.84	21.85048G	-47.39	1
2437MHz	Pass	2.42572G	4.80	-25.20	2.19405G	-54.33	2.39936G	-42.15	2.4G	-46.56	2.5283G	-54.89	21.97668G	-48.07	2
2437MHz	Pass	2.42572G	4.80	-25.20	139.92M	-54.73	2.39984G	-41.08	2.4G	-46.46	2.5243G	-54.84	21.94303G	-46.98	3
2437MHz	Pass	2.42572G	4.80	-25.20	2.11963G	-55.17	2.39952G	-42.70	2.4G	-42.55	2.56174G	-54.69	21.67659G	-47.53	4
2452MHz	Pass	2.42572G	4.80	-25.20	2.16543G	-54.82	2.39968G	-36.94	2.4G	-39.30	2.52638G	-54.24	21.48027G	-48.47	1
2452MHz	Pass	2.42572G	4.80	-25.20	1.74178G	-54.42	2.4G	-39.93	2.4G	-40.36	2.52366G	-54.14	21.69062G	-47.57	2
2452MHz	Pass	2.42572G	4.80	-25.20	2.1368G	-54.68	2.39984G	-40.32	2.4G	-39.26	2.5115G	-54.87	21.85048G	-47.63	3
2452MHz	Pass	2.42572G	4.80	-25.20	2.09787G	-54.76	2.39952G	-37.61	2.4G	-39.76	2.5619G	-54.16	21.74671G	-48.34	4
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4319G	12.88	-17.12	916.57M	-52.55	2.4G	-32.65	2.4G	-30.97	2.5199G	-51.20	15.17777G	-44.85	1
2412MHz	Pass	2.4319G	12.88	-17.12	2.12351G	-52.28	2.4G	-30.37	2.4G	-29.56	2.5091G	-51.08	15.20025G	-44.56	2
2412MHz	Pass	2.4319G	12.88	-17.12	959.67M	-51.84	2.39992G	-32.78	2.4G	-29.70	2.51982G	-51.33	24.51114G	-45.73	3
2412MHz	Pass	2.4319G	12.88	-17.12	782.59M	-52.00	2.4G	-30.74	2.4G	-28.81	2.51918G	-51.01	15.19463G	-44.71	4
2437MHz	Pass	2.4319G	12.88	-17.12	893.27M	-52.36	2.3992G	-41.70	2.4G	-42.72	2.50686G	-51.54	24.48023G	-45.78	1
2437MHz	Pass	2.4319G	12.88	-17.12	949.19M	-51.80	2.3984G	-40.74	2.4G	-42.02	2.5055G	-50.76	15.17777G	-45.42	2
2437MHz	Pass	2.4319G	12.88	-17.12	873.46M	-52.00	2.39952G	-41.09	2.4G	-41.26	2.51734G	-51.07	24.41561G	-44.84	3
2437MHz	Pass	2.4319G	12.88	-17.12	711.53M	-52.85	2.4G	-40.97	2.4G	-39.93	2.5143G	-51.52	21.90386G	-45.54	4

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
2462MHz	Pass	2.4319G	12.88	-17.12	774.44M	-52.37	2.39744G	-50.56	2.4G	-52.63	2.50758G	-51.71	15.18339G	-44.77	1
2462MHz	Pass	2.4319G	12.88	-17.12	872.3M	-52.61	2.39968G	-51.05	2.4G	-52.60	2.52278G	-50.73	24.40437G	-46.15	2
2462MHz	Pass	2.4319G	12.88	-17.12	2.17244G	-51.79	2.3988G	-51.08	2.4G	-50.15	2.50462G	-51.44	15.19744G	-45.99	3
2462MHz	Pass	2.4319G	12.88	-17.12	766.28M	-51.96	2.3968G	-49.67	2.4G	-51.79	2.51038G	-51.58	15.16372G	-45.73	4
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43691G	8.39	-21.61	918.52M	-52.15	2.4G	-28.62	2.4G	-25.39	2.5299G	-51.04	15.19805G	-44.87	1
2422MHz	Pass	2.43691G	8.39	-21.61	648.3M	-52.38	2.4G	-28.37	2.4G	-27.64	2.52526G	-51.76	24.49518G	-45.54	2
2422MHz	Pass	2.43691G	8.39	-21.61	746.77M	-52.60	2.4G	-27.34	2.4G	-25.83	2.51134G	-51.35	24.17826G	-45.38	3
2422MHz	Pass	2.43691G	8.39	-21.61	770.82M	-52.39	2.4G	-26.69	2.4G	-25.80	2.5507G	-51.06	24.51481G	-44.94	4
2437MHz	Pass	2.43691G	8.39	-21.61	797.15M	-52.50	2.39936G	-40.09	2.4G	-42.01	2.50846G	-51.55	15.17281G	-45.61	1
2437MHz	Pass	2.43691G	8.39	-21.61	837.23M	-51.22	2.39904G	-41.10	2.4G	-45.21	2.52494G	-51.69	24.45031G	-45.24	2
2437MHz	Pass	2.43691G	8.39	-21.61	865.85M	-52.69	2.39856G	-41.02	2.4G	-42.21	2.55198G	-51.74	15.15318G	-45.61	3
2437MHz	Pass	2.43691G	8.39	-21.61	1.92383G	-51.71	2.39936G	-42.67	2.4G	-43.48	2.51902G	-50.74	24.77564G	-45.28	4
2452MHz	Pass	2.43691G	8.39	-21.61	721.58M	-51.85	2.39952G	-36.85	2.4G	-38.20	2.54846G	-51.63	24.53444G	-45.33	1
2452MHz	Pass	2.43691G	8.39	-21.61	668.91M	-52.74	2.39936G	-38.81	2.4G	-40.77	2.53054G	-51.53	15.19525G	-45.56	2
2452MHz	Pass	2.43691G	8.39	-21.61	889.9M	-52.33	2.3984G	-39.98	2.4G	-40.37	2.55246G	-51.54	15.19244G	-44.55	3
2452MHz	Pass	2.43691G	8.39	-21.61	729.6M	-52.43	2.39952G	-37.57	2.4G	-39.19	2.52942G	-51.34	21.81682G	-45.60	4

Summary

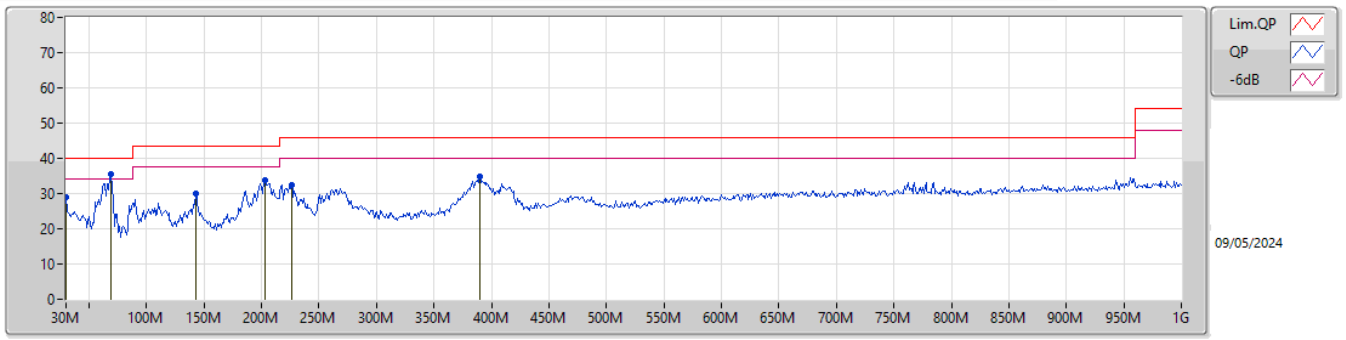
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 4	Pass	PK	68.8M	35.56	40.00	-4.44	Horizontal

Mode 4



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
QP	43.58M	32.06	40.00	-7.94	-13.28	3	Vertical	249	1.00	-	45.34	17.10	1.21	31.59
PK	55.22M	35.26	40.00	-4.74	-17.33	3	Vertical	2	1.00	"Worst"	52.59	13.00	1.33	31.66
PK	68.8M	33.95	40.00	-6.05	-17.64	3	Vertical	0	3.00	-	51.59	12.58	1.48	31.70
PK	392.78M	37.35	46.00	-8.65	-7.14	3	Vertical	358	1.25	-	44.49	21.19	3.65	31.98
PK	416.06M	34.04	46.00	-11.96	-5.93	3	Vertical	324	1.25	-	39.97	22.31	3.77	32.01
PK	952.47M	33.91	46.00	-12.09	0.32	3	Vertical	283	1.50	-	33.59	26.63	5.99	32.30

Mode 4



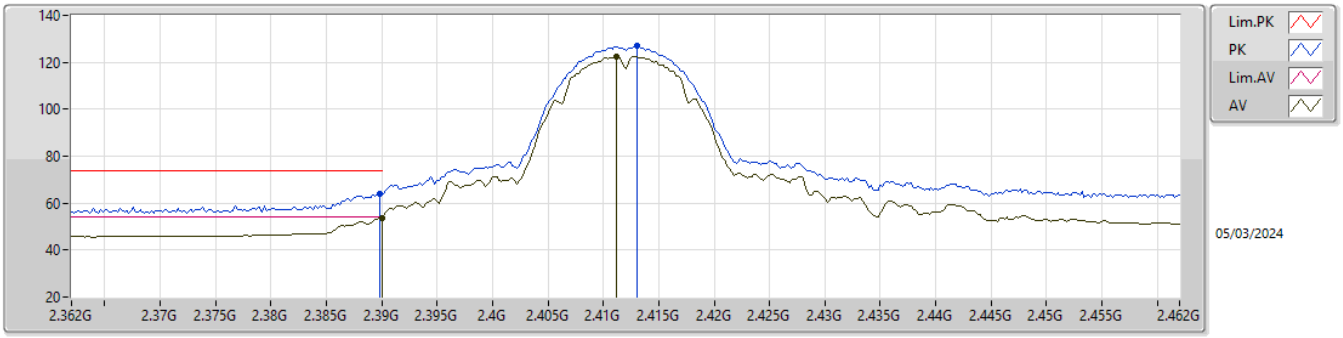
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	30M	28.95	40.00	-11.05	-6.36	3	Horizontal	337	1.50	-	35.31	24.26	0.76	31.38
PK	68.8M	35.56	40.00	-4.44	-17.64	3	Horizontal	310	3.00	"Worst"	53.20	12.58	1.48	31.70
PK	142.52M	30.06	43.50	-13.44	-12.66	3	Horizontal	146	2.00	-	42.72	17.00	2.09	31.75
PK	202.66M	33.93	43.50	-9.57	-13.92	3	Horizontal	2	1.25	-	47.85	15.33	2.52	31.77
PK	225.94M	32.30	46.00	-13.70	-13.47	3	Horizontal	92	1.50	-	45.77	15.66	2.67	31.80
PK	389.87M	34.89	46.00	-11.11	-7.25	3	Horizontal	238	1.00	-	42.14	21.09	3.64	31.98

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 EHT40-BF_Nss1,(MCS0)_4TX	Pass	AV	2.39G	53.99	54.00	-0.01	3	Vertical	15.7	1.85	-

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

2412MHz_TX

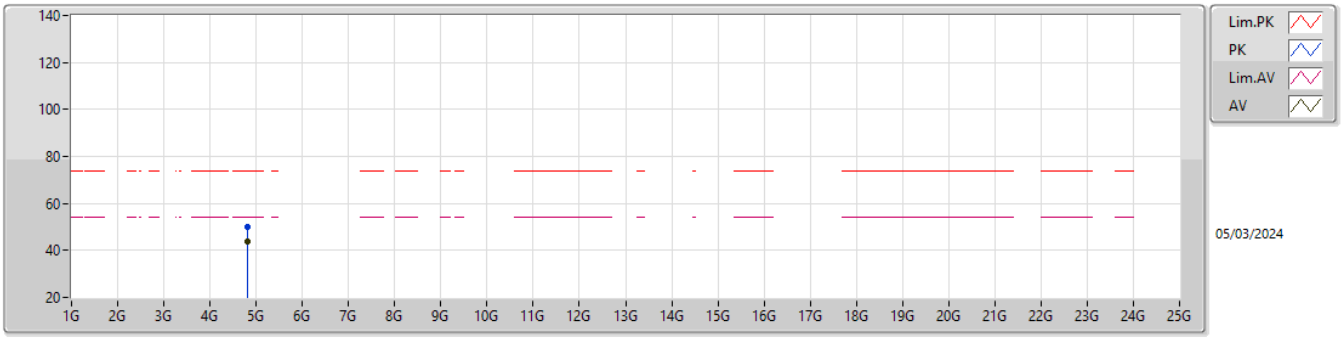


EUT Z_4TX
Setting 100
06-D-O-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	64.21	74.00	-9.79	31.80	3	Vertical	355	1.88	-	27.70	4.71	-
AV	2.39G	53.81	54.00	-0.19	21.40	3	Vertical	355	1.88	-	27.70	4.71	-
PK	2.413G	126.95	Inf	-Inf	94.62	3	Vertical	355	1.88	-	27.60	4.73	-
AV	2.4112G	122.67	Inf	-Inf	90.34	3	Vertical	355	1.88	-	27.60	4.73	-

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

2412MHz_TX

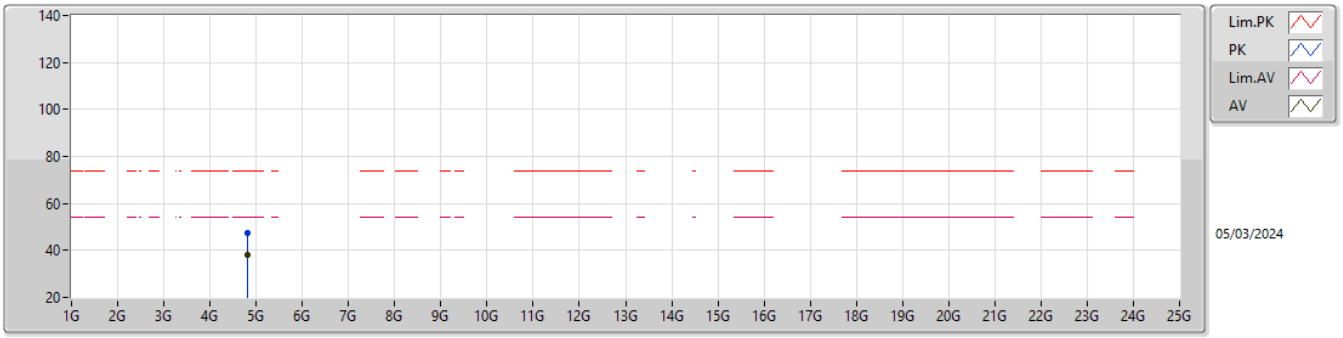


EUT Z_4TX
Setting 100
06-D-O-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82404G	49.92	74.00	-24.08	43.33	3	Vertical	238	1.88	-	31.30	6.69	31.40
AV	4.82396G	43.73	54.00	-10.27	37.14	3	Vertical	238	1.88	-	31.30	6.69	31.40

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

2412MHz_TX

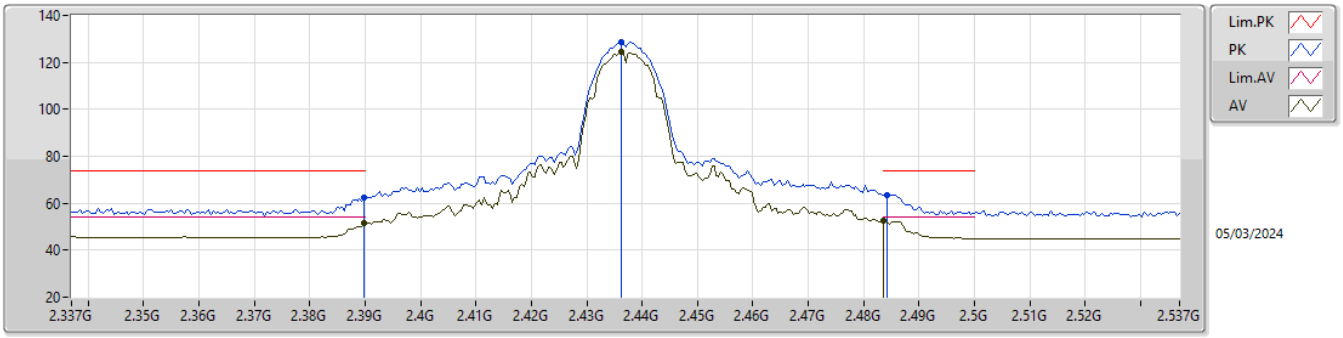


EUT Z_4TX
Setting 100
06-D-O-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82408G	47.32	74.00	-26.68	40.73	3	Horizontal	34	2.82	-	31.30	6.69	31.40
AV	4.82396G	38.15	54.00	-15.85	31.56	3	Horizontal	34	2.82	-	31.30	6.69	31.40

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

2437MHz_TX

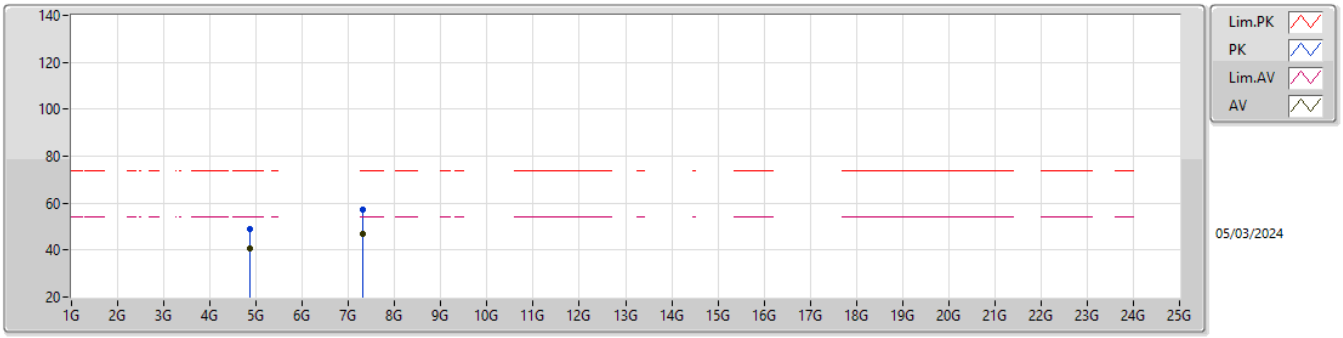


EUT Z_4TX
Setting 103
06-D-O-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	62.65	74.00	-11.35	30.24	3	Vertical	355	2.38	-	27.70	4.71	-
AV	2.3898G	51.31	54.00	-2.69	18.90	3	Vertical	355	2.38	-	27.70	4.71	-
PK	2.4362G	128.40	Inf	-Inf	96.15	3	Vertical	355	2.38	-	27.50	4.75	-
AV	2.4362G	124.29	Inf	-Inf	92.04	3	Vertical	355	2.38	-	27.50	4.75	-
PK	2.4842G	63.69	74.00	-10.31	31.49	3	Vertical	355	2.38	-	27.40	4.80	-
AV	2.4835G	52.43	54.00	-1.57	20.23	3	Vertical	355	2.38	-	27.40	4.80	-

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

2437MHz_TX

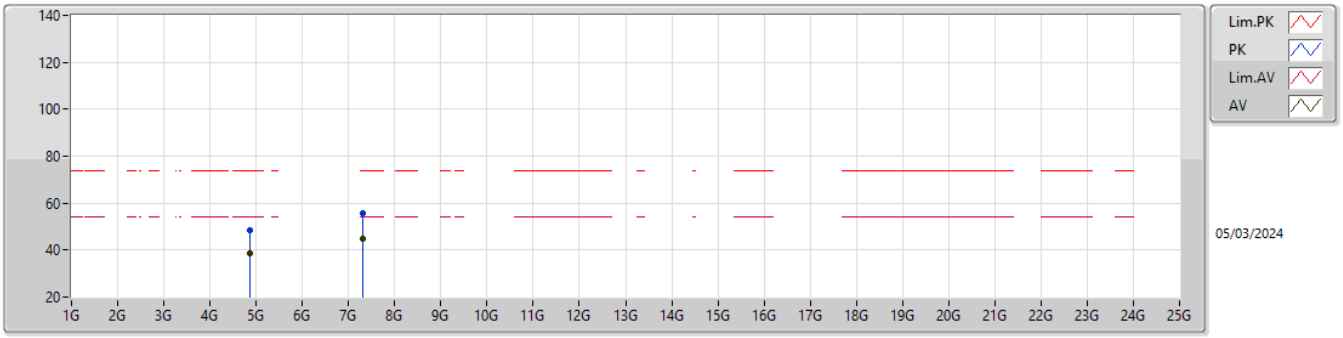


EUT Z_4TX
Setting 103
06-D-O-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87404G	48.81	74.00	-25.19	42.15	3	Vertical	229	1.71	-	31.30	6.73	31.37
AV	4.87396G	40.90	54.00	-13.10	34.24	3	Vertical	229	1.71	-	31.30	6.73	31.37
PK	7.30936G	57.18	74.00	-16.82	44.84	3	Vertical	256	1.01	-	36.60	8.34	32.60
AV	7.31272G	46.93	54.00	-7.07	34.59	3	Vertical	256	1.01	-	36.60	8.34	32.60

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

2437MHz_TX

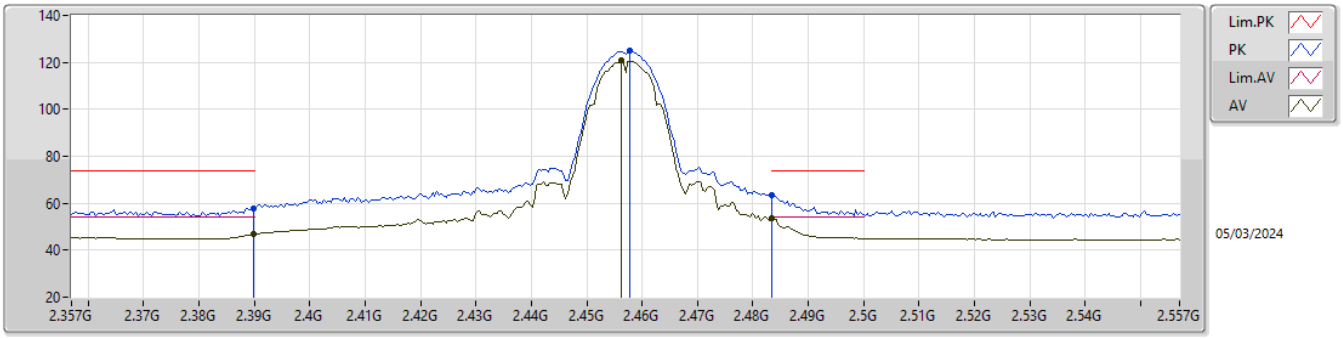


EUT Z_4TX
Setting 103
06-D-O-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.874716G	48.22	74.00	-25.78	41.56	3	Horizontal	302	3.00	-	31.30	6.73	31.37
AV	4.87396G	38.59	54.00	-15.41	31.93	3	Horizontal	302	3.00	-	31.30	6.73	31.37
PK	7.3094G	55.47	74.00	-18.53	43.13	3	Horizontal	235	2.75	-	36.60	8.34	32.60
AV	7.31268G	44.89	54.00	-9.11	32.55	3	Horizontal	235	2.75	-	36.60	8.34	32.60

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

2457MHz_TX

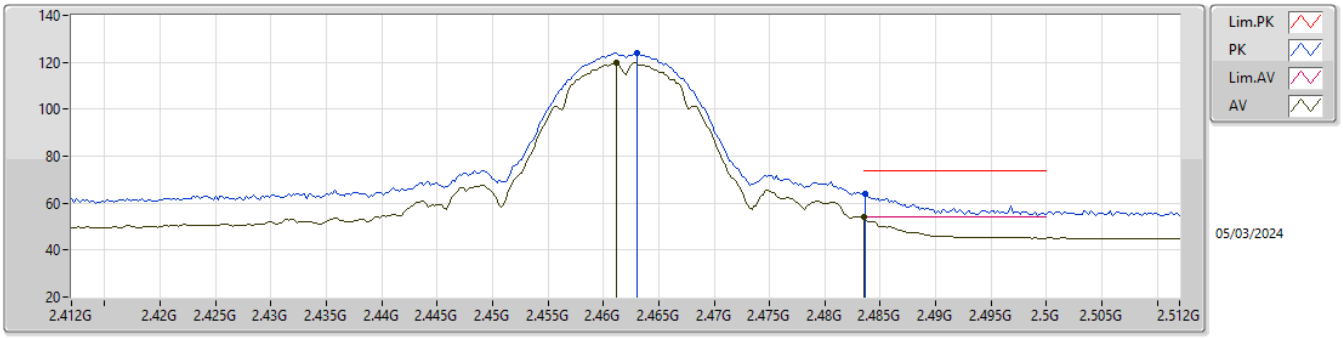


EUT Z_4TX
Setting 91
06-D-O-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	57.76	74.00	-16.24	25.35	3	Vertical	356	2.66	-	27.70	4.71	-
AV	2.3898G	46.68	54.00	-7.32	14.27	3	Vertical	356	2.66	-	27.70	4.71	-
PK	2.4578G	124.87	Inf	-Inf	92.68	3	Vertical	356	2.66	-	27.42	4.77	-
AV	2.4562G	120.64	Inf	-Inf	88.43	3	Vertical	356	2.66	-	27.44	4.77	-
PK	2.4835G	63.38	74.00	-10.62	31.18	3	Vertical	356	2.66	-	27.40	4.80	-
AV	2.4835G	53.39	54.00	-0.61	21.19	3	Vertical	356	2.66	-	27.40	4.80	-

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

2462MHz_TX

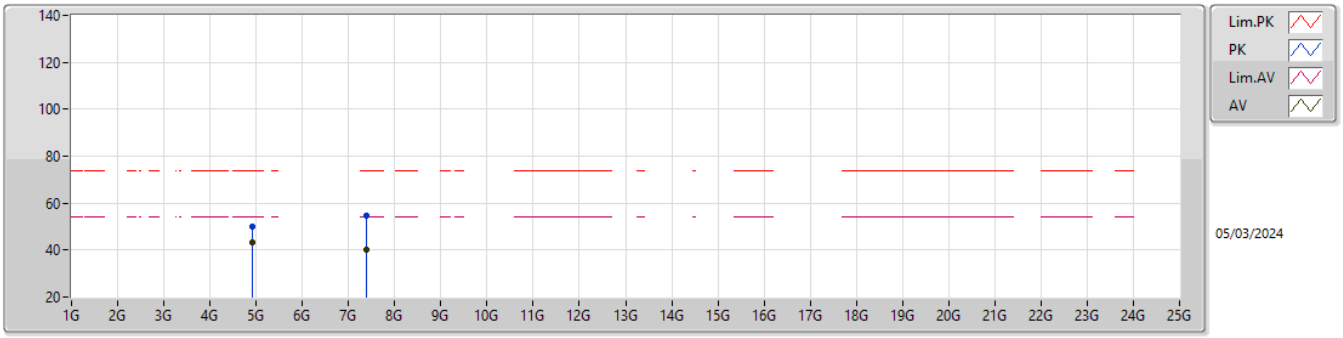


EUT Z_4TX
Setting 87
06-D-O-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.463G	123.96	Inf	-Inf	91.78	3	Vertical	355	2.66	-	27.40	4.78	-
AV	2.4612G	119.62	Inf	-Inf	87.44	3	Vertical	355	2.66	-	27.40	4.78	-
PK	2.4836G	63.97	74.00	-10.03	31.77	3	Vertical	355	2.66	-	27.40	4.80	-
AV	2.4835G	53.95	54.00	-0.05	21.75	3	Vertical	355	2.66	-	27.40	4.80	-

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

2462MHz_TX

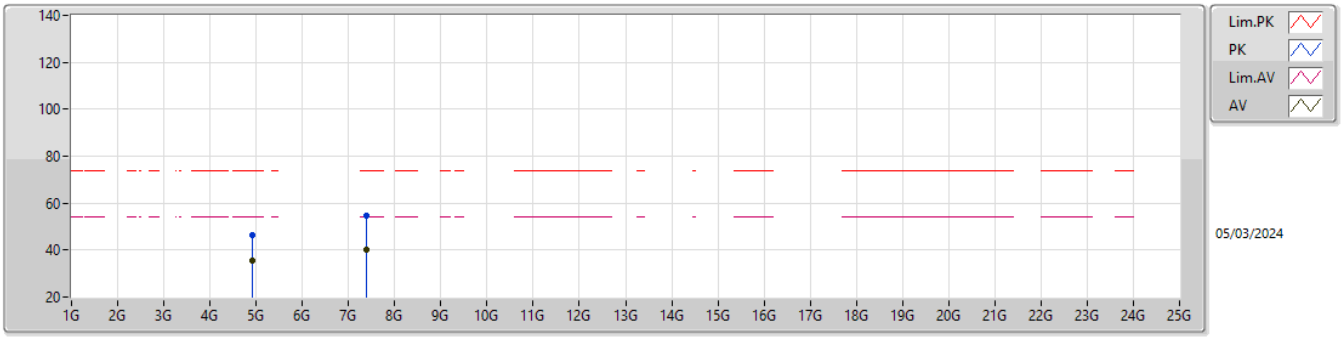


EUT Z_4TX
Setting 87
06-D-O-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.924G	50.02	74.00	-23.98	43.17	3	Vertical	257.7	3.00	-	31.40	6.78	31.33
AV	4.92396G	43.11	54.00	-10.89	36.26	3	Vertical	257.7	3.00	-	31.40	6.78	31.33
PK	7.38244G	54.46	74.00	-19.54	42.22	3	Vertical	254	2.27	-	36.60	8.34	32.70
AV	7.37824G	40.06	54.00	-13.94	27.82	3	Vertical	254	2.27	-	36.60	8.34	32.70

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

2462MHz_TX

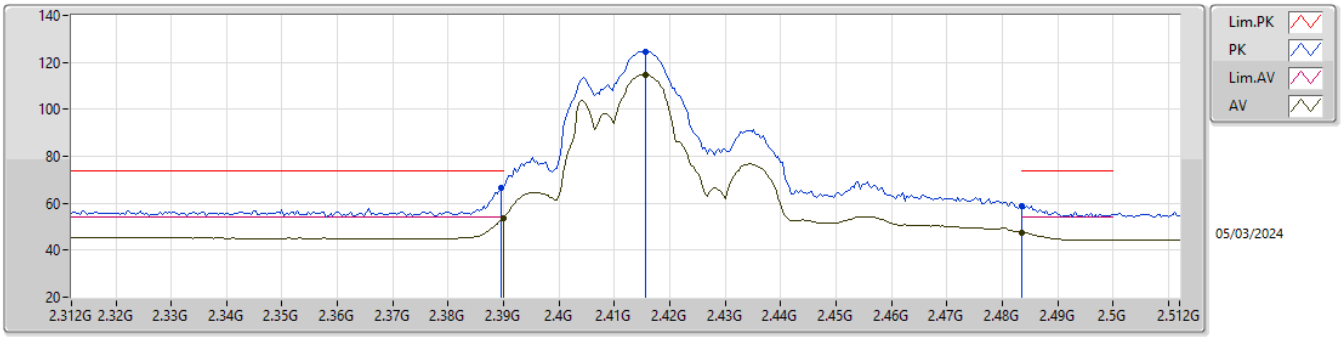


EUT Z_4TX
Setting 87
06-D-O-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9272G	46.45	74.00	-27.55	39.59	3	Horizontal	353	2.87	-	31.41	6.78	31.33
AV	4.924G	35.40	54.00	-18.60	28.55	3	Horizontal	353	2.87	-	31.40	6.78	31.33
PK	7.39484G	54.44	74.00	-19.56	42.22	3	Horizontal	276	1.78	-	36.60	8.34	32.72
AV	7.3762G	40.05	54.00	-13.95	27.80	3	Horizontal	276	1.78	-	36.60	8.34	32.69

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

2412MHz_TX

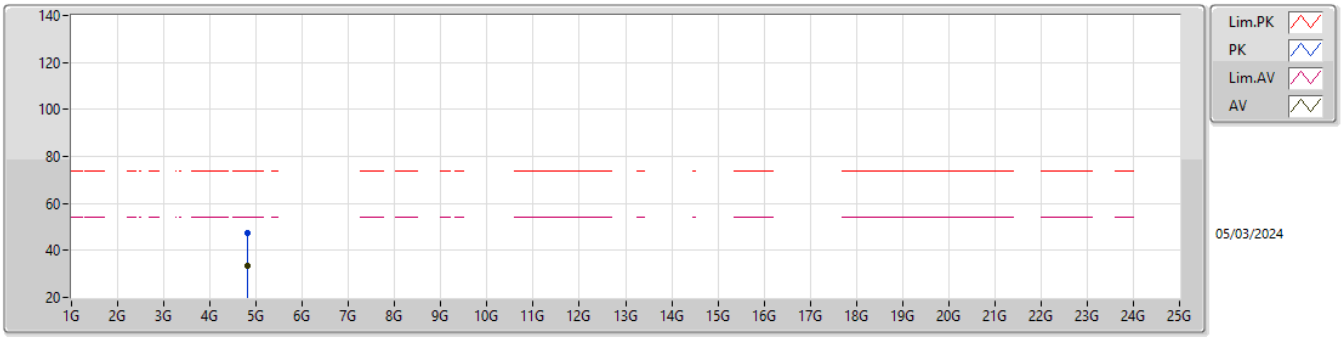


EUT Z_4TX
Setting 95
06-D-O-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	66.66	74.00	-7.34	34.25	3	Vertical	312	2.33	-	27.70	4.71	-
AV	2.39G	53.85	54.00	-0.15	21.44	3	Vertical	312	2.33	-	27.70	4.71	-
PK	2.4156G	124.72	Inf	-Inf	92.39	3	Vertical	312	2.33	-	27.60	4.73	-
AV	2.4156G	114.81	Inf	-Inf	82.48	3	Vertical	312	2.33	-	27.60	4.73	-
PK	2.4835G	58.84	74.00	-15.16	26.64	3	Vertical	312	2.33	-	27.40	4.80	-
AV	2.4835G	47.53	54.00	-6.47	15.33	3	Vertical	312	2.33	-	27.40	4.80	-

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

2412MHz_TX

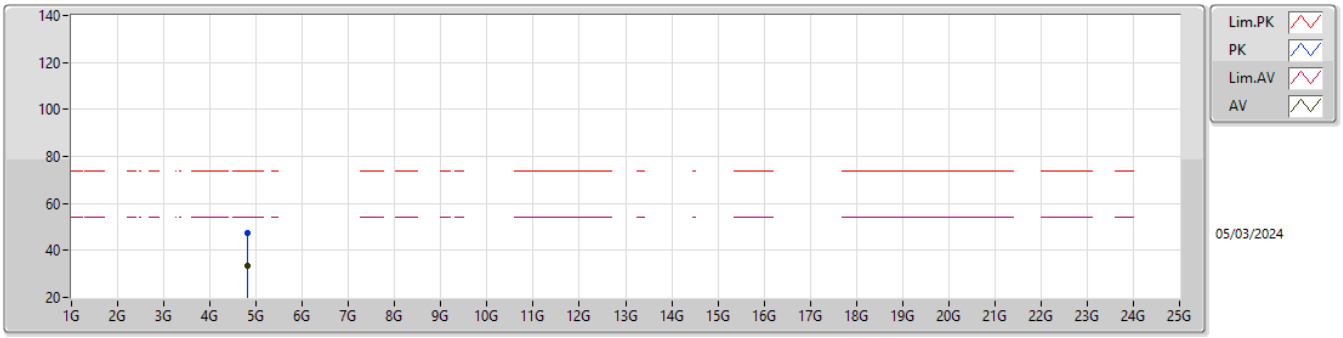


EUT Z_4TX
Setting 95
06-D-O-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82296G	47.48	74.00	-26.52	40.89	3	Vertical	238	1.15	-	31.30	6.69	31.40
AV	4.81784G	33.59	54.00	-20.41	27.01	3	Vertical	238	1.15	-	31.30	6.69	31.41

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

2412MHz_TX

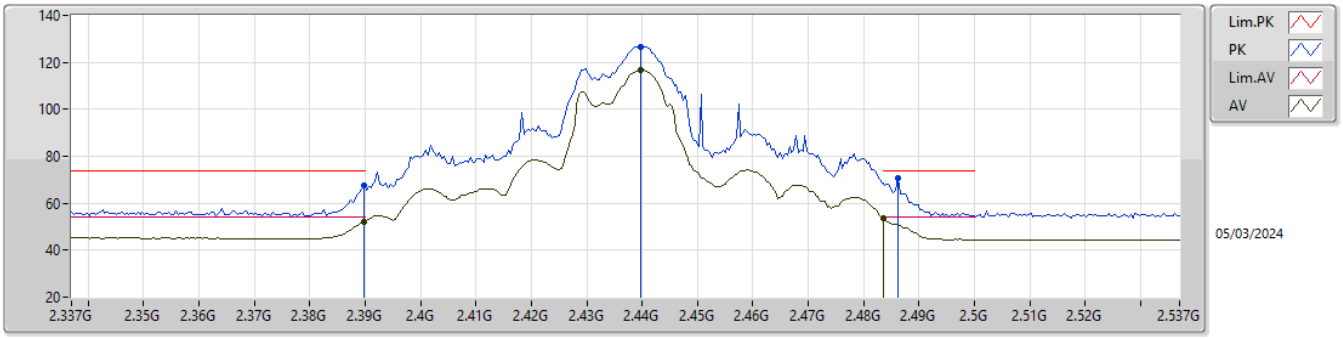


EUT Z_4TX
Setting 95
06-D-O-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8178G	47.45	74.00	-26.55	40.87	3	Horizontal	53	2.22	-	31.30	6.69	31.41
AV	4.81784G	33.57	54.00	-20.43	26.99	3	Horizontal	53	2.22	-	31.30	6.69	31.41

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

2437MHz_TX

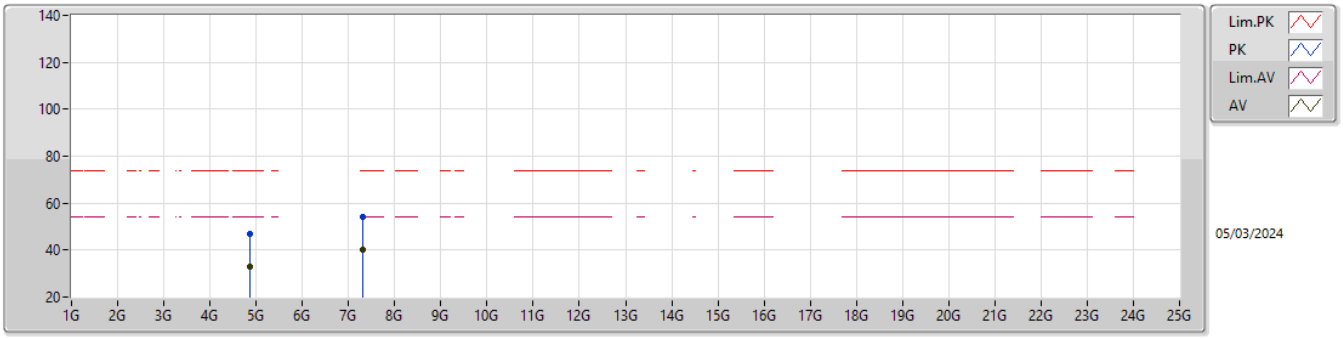


EUT Z_4TX
Setting 101
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	67.42	74.00	-6.58	35.01	3	Vertical	314	1.80	-	27.70	4.71	-
AV	2.3898G	52.20	54.00	-1.80	19.79	3	Vertical	314	1.80	-	27.70	4.71	-
PK	2.4398G	126.72	Inf	-Inf	94.46	3	Vertical	314	1.80	-	27.50	4.76	-
AV	2.4398G	116.62	Inf	-Inf	84.36	3	Vertical	314	1.80	-	27.50	4.76	-
PK	2.4862G	70.91	74.00	-3.09	38.71	3	Vertical	314	1.80	-	27.40	4.80	-
AV	2.4835G	53.83	54.00	-0.17	21.63	3	Vertical	314	1.80	-	27.40	4.80	-

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

2437MHz_TX

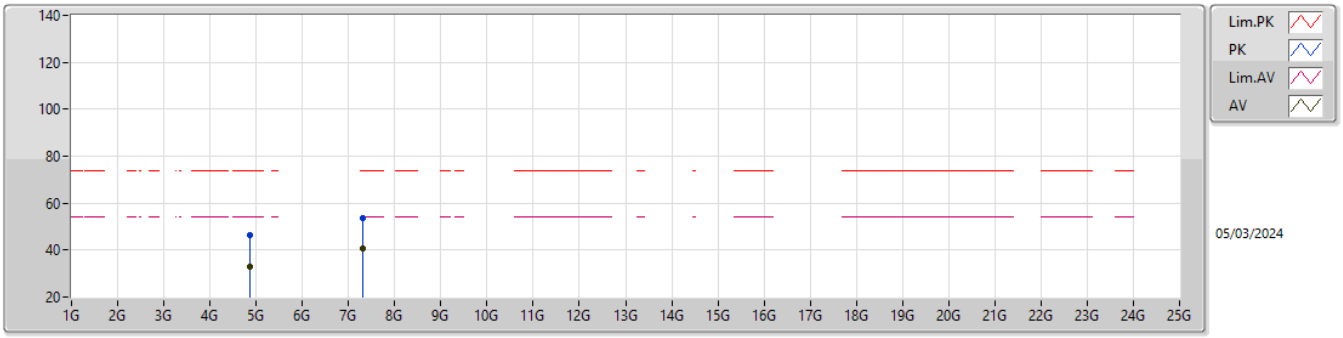


EUT Z_4TX
Setting 101
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8704G	47.00	74.00	-27.00	40.34	3	Vertical	327	1.06	-	31.30	6.73	31.37
AV	4.85906G	33.17	54.00	-20.83	26.53	3	Vertical	327	1.06	-	31.30	6.72	31.38
PK	7.3005G	53.99	74.00	-20.01	41.64	3	Vertical	340	2.55	-	36.60	8.34	32.59
AV	7.30584G	40.31	54.00	-13.69	27.96	3	Vertical	340	2.55	-	36.60	8.34	32.59

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

2437MHz_TX

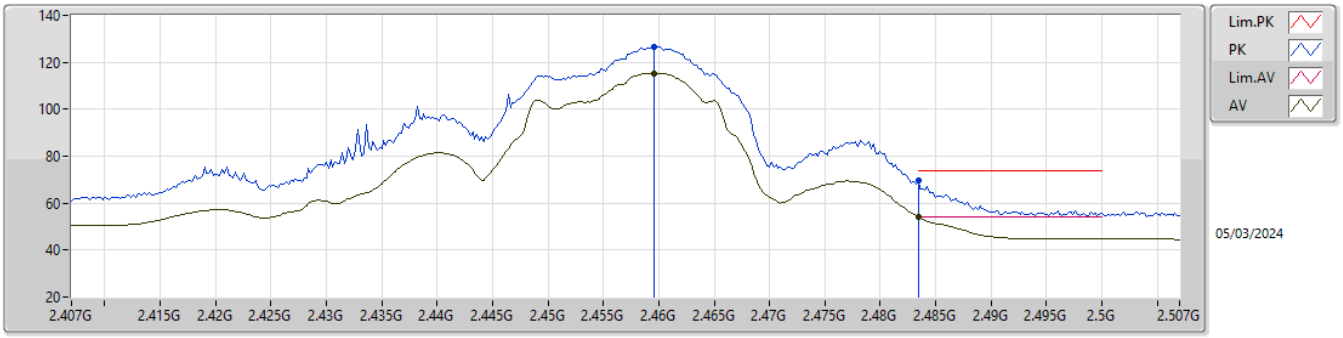


EUT Z_4TX
Setting 101
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.86086G	46.56	74.00	-27.44	39.92	3	Horizontal	230	1.74	-	31.30	6.72	31.38
AV	4.859G	33.11	54.00	-20.89	26.47	3	Horizontal	230	1.74	-	31.30	6.72	31.38
PK	7.31598G	53.67	74.00	-20.33	41.34	3	Horizontal	7	2.95	-	36.60	8.34	32.61
AV	7.30014G	40.44	54.00	-13.56	28.09	3	Horizontal	7	2.95	-	36.60	8.34	32.59

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

2457MHz_TX

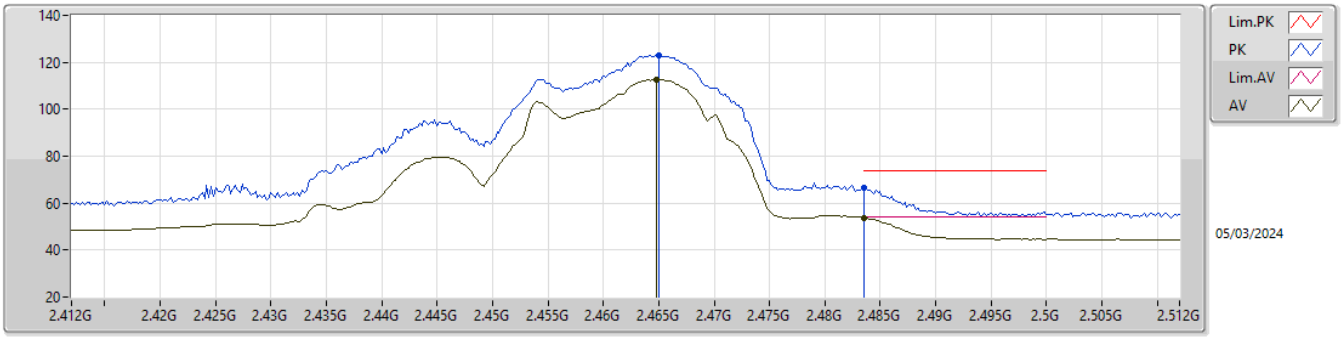


EUT Z_4TX
Setting 98
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4596G	126.44	Inf	-Inf	94.27	3	Vertical	310	1.80	-	27.40	4.77	-
AV	2.4596G	115.43	Inf	-Inf	83.26	3	Vertical	310	1.80	-	27.40	4.77	-
PK	2.4835G	69.67	74.00	-4.33	37.47	3	Vertical	310	1.80	-	27.40	4.80	-
AV	2.4835G	53.91	54.00	-0.09	21.71	3	Vertical	310	1.80	-	27.40	4.80	-

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

2462MHz_TX

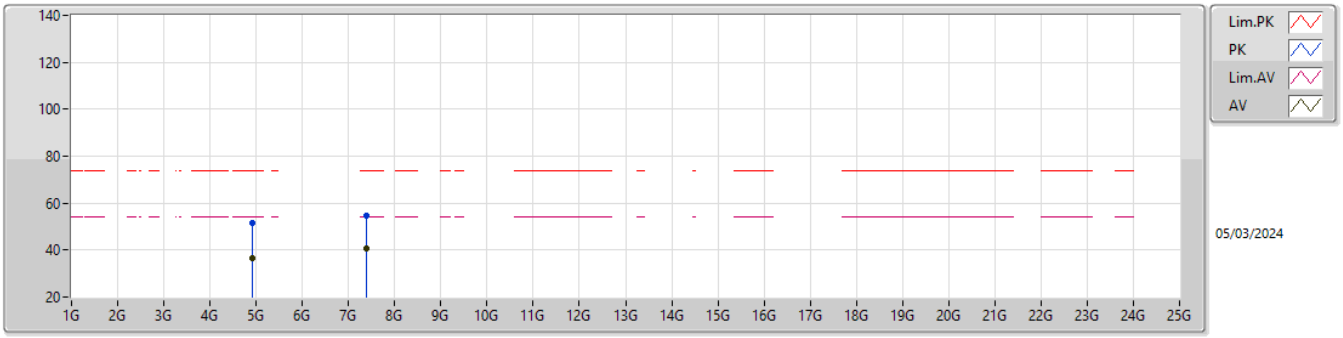


EUT Z_4TX
Setting 85
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.465G	123.06	Inf	-Inf	90.88	3	Vertical	314	1.80	-	27.40	4.78	-
AV	2.4648G	112.56	Inf	-Inf	80.38	3	Vertical	314	1.80	-	27.40	4.78	-
PK	2.4835G	66.65	74.00	-7.35	34.45	3	Vertical	314	1.80	-	27.40	4.80	-
AV	2.4835G	53.79	54.00	-0.21	21.59	3	Vertical	314	1.80	-	27.40	4.80	-

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

2462MHz_TX

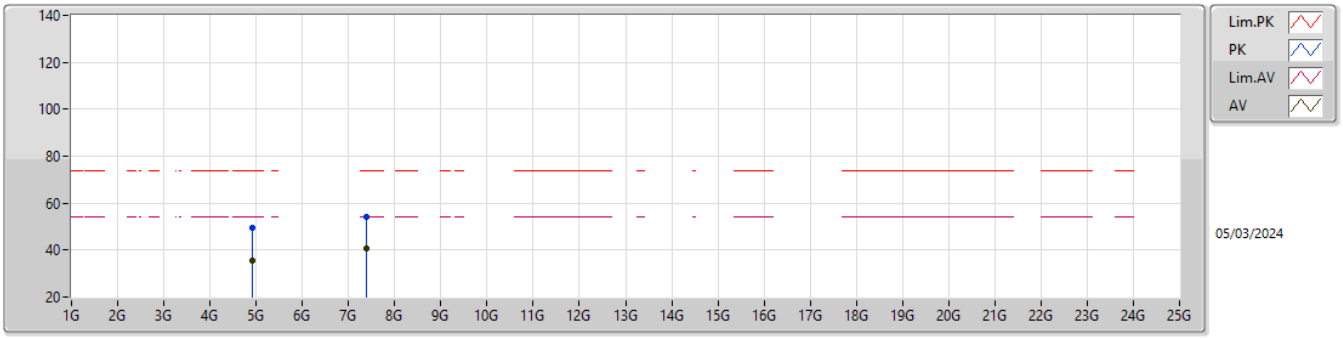


EUT Z_4TX
Setting 85
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92574G	51.44	74.00	-22.56	44.59	3	Vertical	257.9	2.96	-	31.40	6.78	31.33
AV	4.92592G	36.71	54.00	-17.29	29.86	3	Vertical	257.9	2.96	-	31.40	6.78	31.33
PK	7.39284G	54.65	74.00	-19.35	42.43	3	Vertical	243	1.80	-	36.60	8.34	32.72
AV	7.37496G	40.80	54.00	-13.20	28.55	3	Vertical	243	1.80	-	36.60	8.34	32.69

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

2462MHz_TX

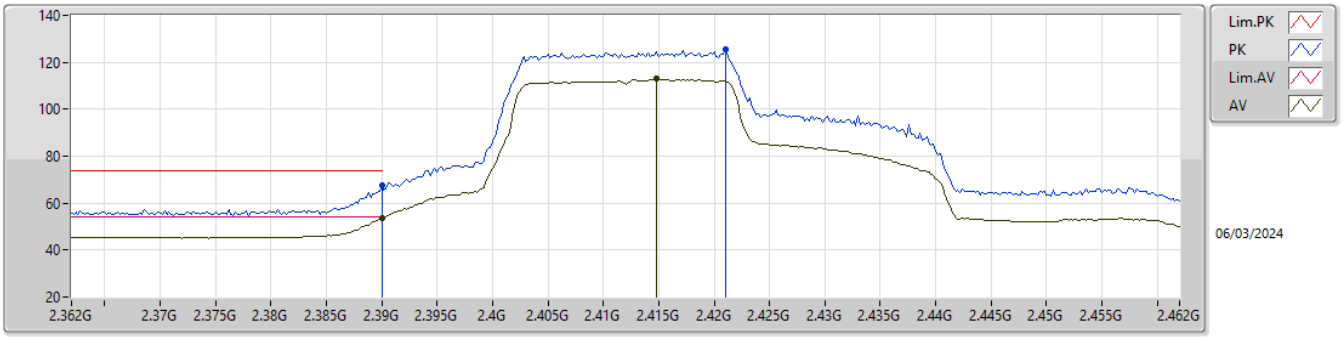


EUT Z_4TX
Setting 85
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92358G	49.48	74.00	-24.52	42.64	3	Horizontal	224	1.02	-	31.39	6.78	31.33
AV	4.9264G	35.40	54.00	-18.60	28.54	3	Horizontal	224	1.02	-	31.41	6.78	31.33
PK	7.38342G	54.26	74.00	-19.74	42.02	3	Horizontal	233	2.25	-	36.60	8.34	32.70
AV	7.37556G	40.63	54.00	-13.37	28.38	3	Horizontal	233	2.25	-	36.60	8.34	32.69

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

2412MHz_TX

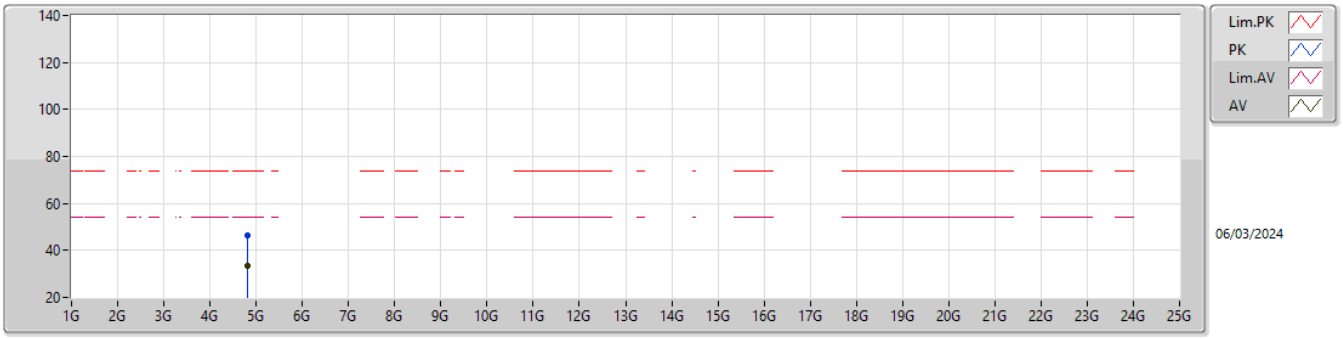


EUT Z_4TX
Setting 85
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	67.39	74.00	-6.61	34.98	3	Vertical	14.3	1.80	-	27.70	4.71	-
AV	2.39G	53.76	54.00	-0.24	21.35	3	Vertical	14.3	1.80	-	27.70	4.71	-
PK	2.421G	125.66	Inf	-Inf	93.33	3	Vertical	14.3	1.80	-	27.59	4.74	-
AV	2.4148G	112.91	Inf	-Inf	80.58	3	Vertical	14.3	1.80	-	27.60	4.73	-

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

2412MHz_TX

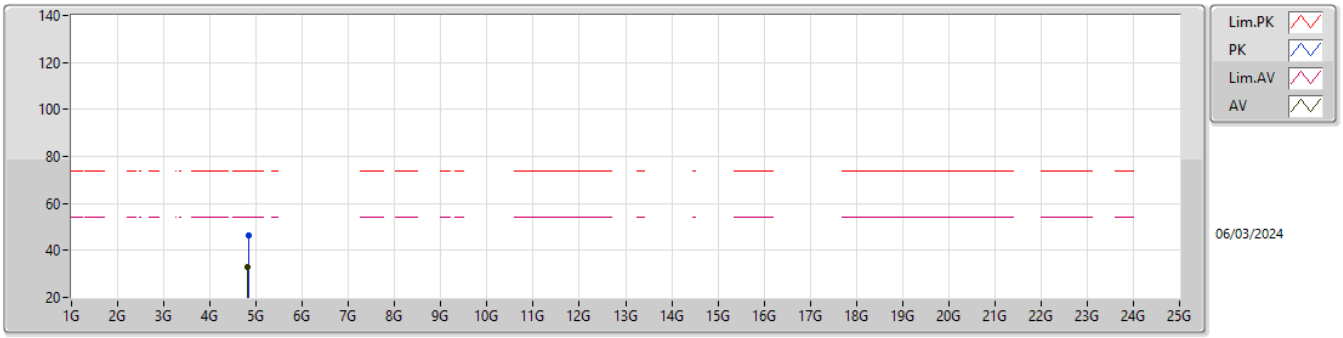


EUT Z_4TX
Setting 85
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82413G	46.53	74.00	-27.47	39.94	3	Vertical	359	1.14	-	31.30	6.69	31.40
AV	4.82391G	33.22	54.00	-20.78	26.63	3	Vertical	359	1.14	-	31.30	6.69	31.40

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

2412MHz_TX

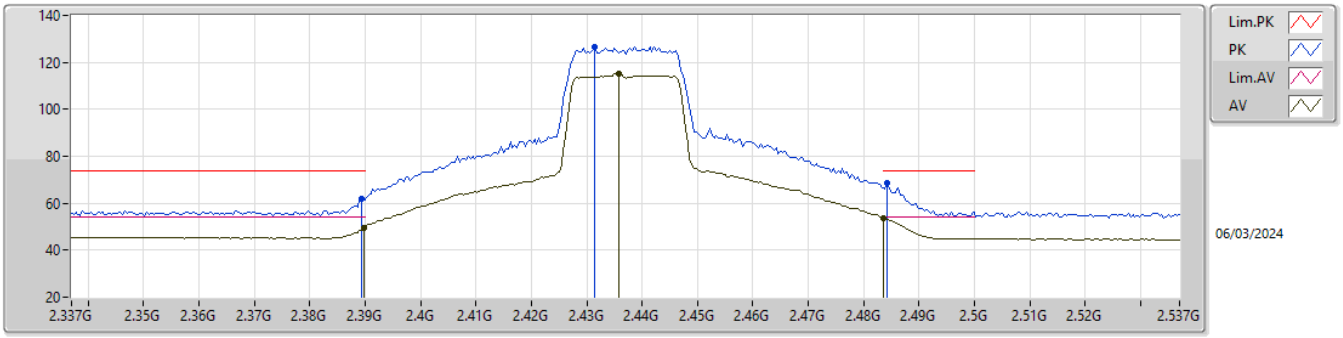


EUT Z_4TX
Setting 85
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82485G	46.22	74.00	-27.78	39.63	3	Horizontal	243	1.75	-	31.30	6.69	31.40
AV	4.82433G	33.18	54.00	-20.82	26.59	3	Horizontal	243	1.75	-	31.30	6.69	31.40

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

2437MHz_TX

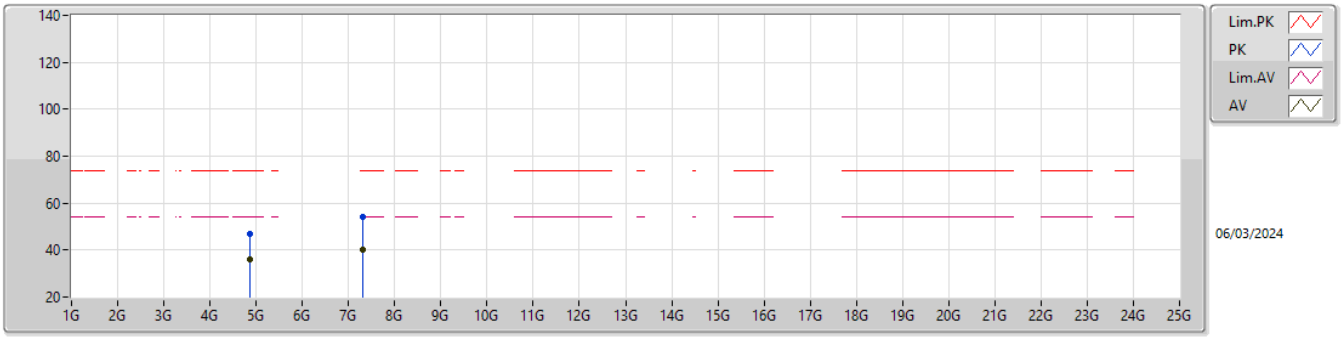


EUT Z_4TX
Setting 93
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	62.13	74.00	-11.87	29.72	3	Vertical	189.6	2.20	-	27.70	4.71	-
AV	2.3898G	49.51	54.00	-4.49	17.10	3	Vertical	189.6	2.20	-	27.70	4.71	-
PK	2.4314G	126.62	Inf	-Inf	94.37	3	Vertical	189.6	2.20	-	27.50	4.75	-
AV	2.4358G	115.40	Inf	-Inf	83.15	3	Vertical	189.6	2.20	-	27.50	4.75	-
PK	2.4842G	68.40	74.00	-5.60	36.20	3	Vertical	189.6	2.20	-	27.40	4.80	-
AV	2.4835G	53.83	54.00	-0.17	21.63	3	Vertical	189.6	2.20	-	27.40	4.80	-

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

2437MHz_TX

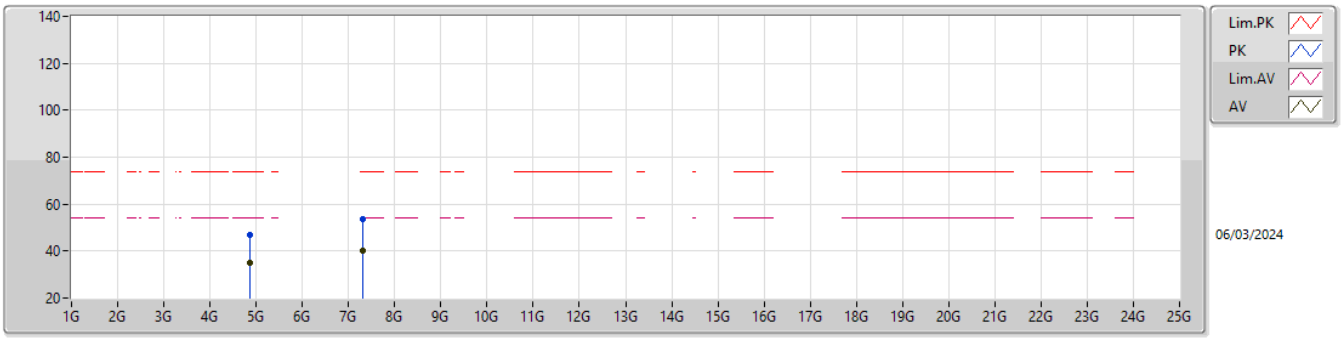


EUT Z_4TX
Setting 93
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87365G	46.86	74.00	-27.14	40.20	3	Vertical	236	1.80	-	31.30	6.73	31.37
AV	4.87392G	36.06	54.00	-17.94	29.40	3	Vertical	236	1.80	-	31.30	6.73	31.37
PK	7.31102G	53.90	74.00	-20.10	41.56	3	Vertical	2	2.88	-	36.60	8.34	32.60
AV	7.31006G	40.43	54.00	-13.57	28.09	3	Vertical	2	2.88	-	36.60	8.34	32.60

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

2437MHz_TX

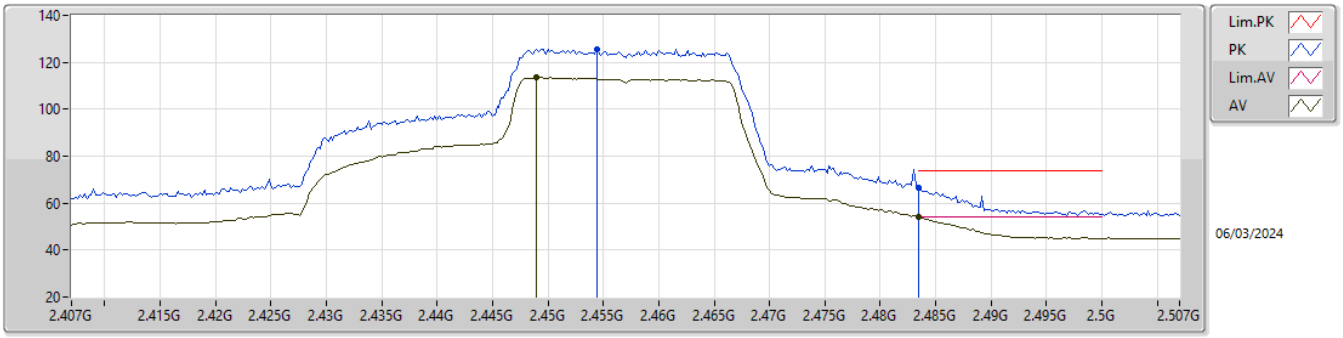


EUT Z_4TX
Setting 93
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87322G	46.83	74.00	-27.17	40.17	3	Horizontal	27	1.05	-	31.30	6.73	31.37
AV	4.87369G	34.78	54.00	-19.22	28.12	3	Horizontal	27	1.05	-	31.30	6.73	31.37
PK	7.31006G	53.47	74.00	-20.53	41.13	3	Horizontal	358	2.35	-	36.60	8.34	32.60
AV	7.31054G	40.31	54.00	-13.69	27.97	3	Horizontal	358	2.35	-	36.60	8.34	32.60

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

2457MHz_TX

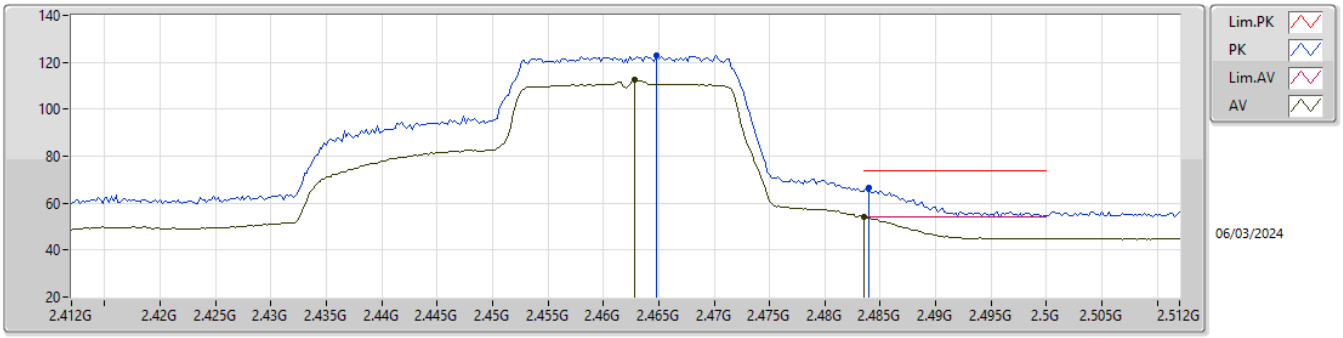


EUT Z_4TX
Setting 88
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4544G	125.62	Inf	-Inf	93.39	3	Vertical	176	2.67	-	27.46	4.77	-
AV	2.449G	113.56	Inf	-Inf	81.30	3	Vertical	176	2.67	-	27.50	4.76	-
PK	2.4835G	66.81	74.00	-7.19	34.61	3	Vertical	176	2.67	-	27.40	4.80	-
AV	2.4835G	53.89	54.00	-0.11	21.69	3	Vertical	176	2.67	-	27.40	4.80	-

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

2462MHz_TX

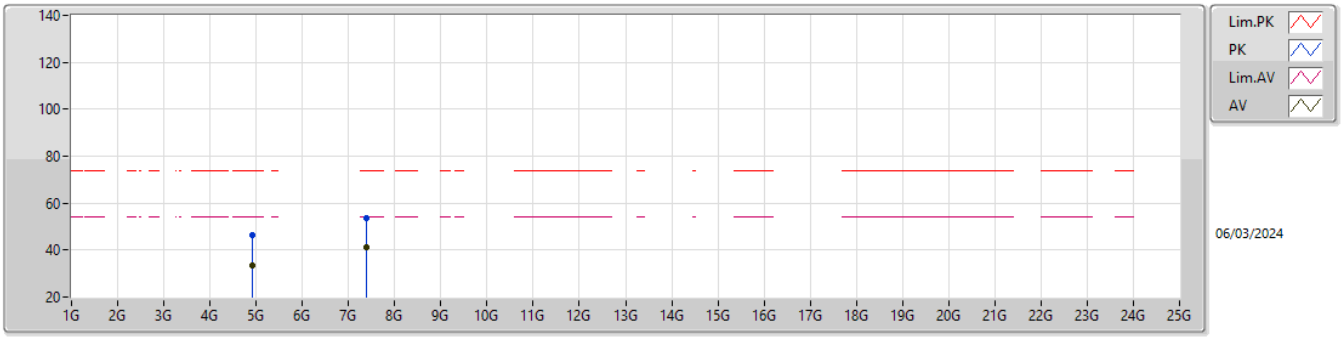


EUT Z_4TX
Setting 76
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4648G	123.15	Inf	-Inf	90.97	3	Vertical	196.4	2.70	-	27.40	4.78	-
AV	2.4628G	112.41	Inf	-Inf	80.23	3	Vertical	196.4	2.70	-	27.40	4.78	-
PK	2.484G	66.32	74.00	-7.68	34.12	3	Vertical	196.4	2.70	-	27.40	4.80	-
AV	2.4835G	53.94	54.00	-0.06	21.74	3	Vertical	196.4	2.70	-	27.40	4.80	-

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

2462MHz_TX

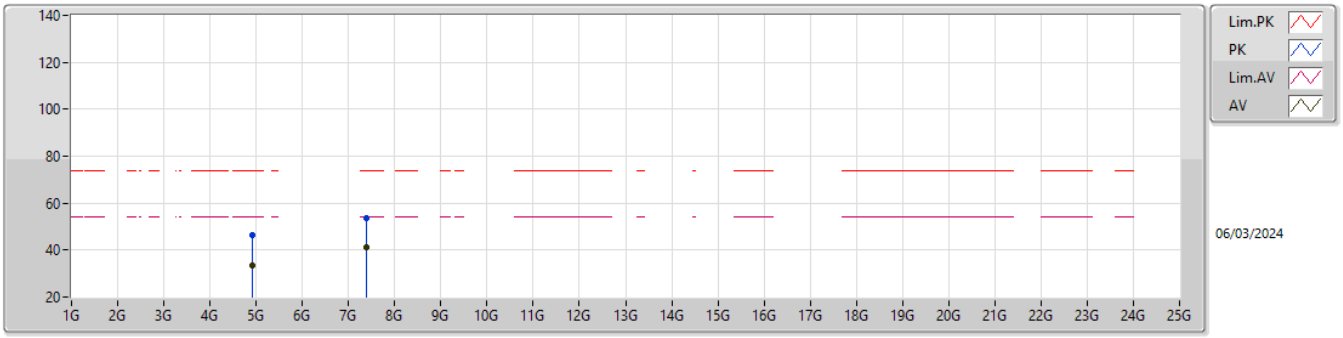


EUT Z_4TX
Setting 76
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92285G	46.48	74.00	-27.52	39.65	3	Vertical	358	2.50	-	31.39	6.77	31.33
AV	4.92374G	33.35	54.00	-20.65	26.51	3	Vertical	358	2.50	-	31.39	6.78	31.33
PK	7.38547G	53.82	74.00	-20.18	41.59	3	Vertical	8	2.22	-	36.60	8.34	32.71
AV	7.38484G	41.06	54.00	-12.94	28.83	3	Vertical	8	2.22	-	36.60	8.34	32.71

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

2462MHz_TX

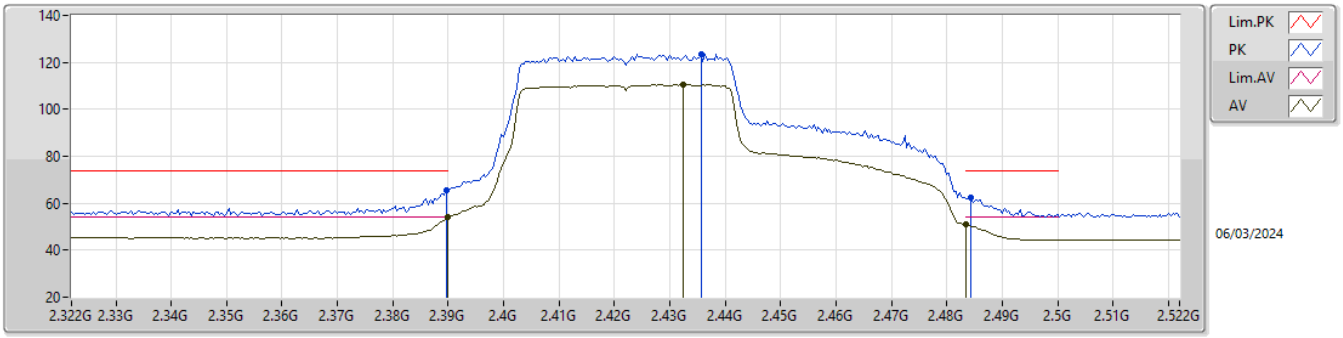


EUT Z_4TX
Setting 76
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92485G	46.56	74.00	-27.44	39.71	3	Horizontal	207	2.08	-	31.40	6.78	31.33
AV	4.92366G	33.37	54.00	-20.63	26.53	3	Horizontal	207	2.08	-	31.39	6.78	31.33
PK	7.38739G	53.74	74.00	-20.26	41.51	3	Horizontal	72	1.85	-	36.60	8.34	32.71
AV	7.38536G	40.95	54.00	-13.05	28.72	3	Horizontal	72	1.85	-	36.60	8.34	32.71

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

2422MHz_TX

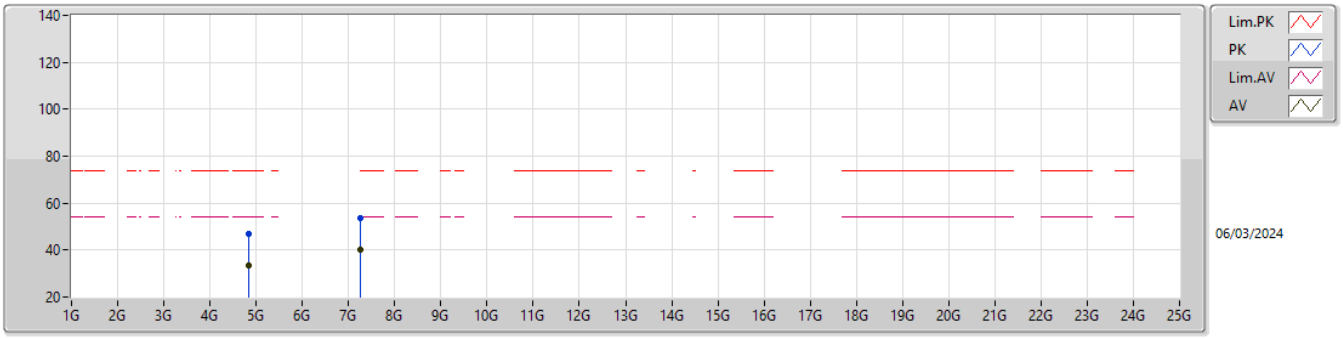


EUT Z_4TX
Setting 88
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	65.32	74.00	-8.68	32.91	3	Vertical	15.7	1.85	-	27.70	4.71	-
AV	2.39G	53.99	54.00	-0.01	21.58	3	Vertical	15.7	1.85	-	27.70	4.71	-
PK	2.4356G	123.56	Inf	-Inf	91.31	3	Vertical	15.7	1.85	-	27.50	4.75	-
AV	2.4324G	110.56	Inf	-Inf	78.31	3	Vertical	15.7	1.85	-	27.50	4.75	-
PK	2.4844G	62.17	74.00	-11.83	29.97	3	Vertical	15.7	1.85	-	27.40	4.80	-
AV	2.4835G	50.93	54.00	-3.07	18.73	3	Vertical	15.7	1.85	-	27.40	4.80	-

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

2422MHz_TX

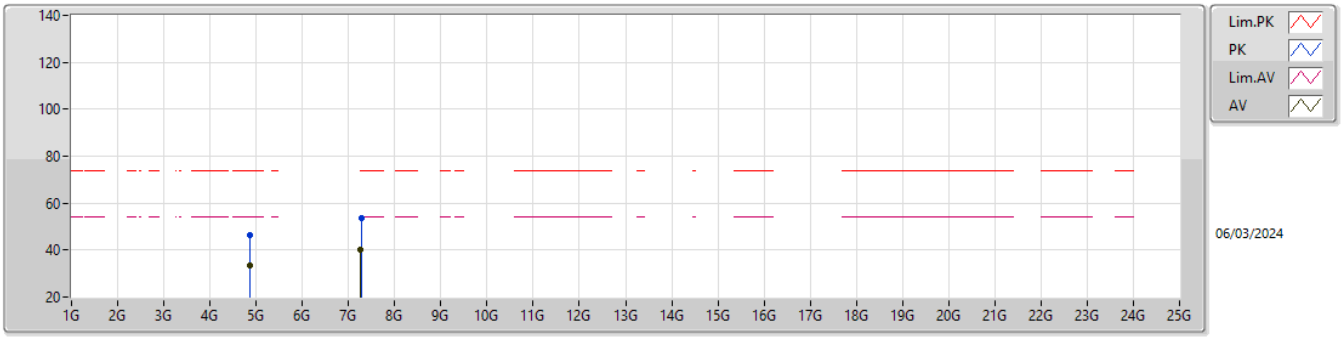


EUT Z_4TX
Setting 88
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.83836G	47.08	74.00	-26.92	40.47	3	Vertical	238	1.80	-	31.30	6.70	31.39
AV	4.8407G	33.61	54.00	-20.39	27.00	3	Vertical	238	1.80	-	31.30	6.70	31.39
PK	7.25124G	53.77	74.00	-20.23	41.25	3	Vertical	242	1.80	-	36.70	8.34	32.52
AV	7.254G	40.31	54.00	-13.69	27.80	3	Vertical	242	1.80	-	36.69	8.34	32.52

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

2422MHz_TX

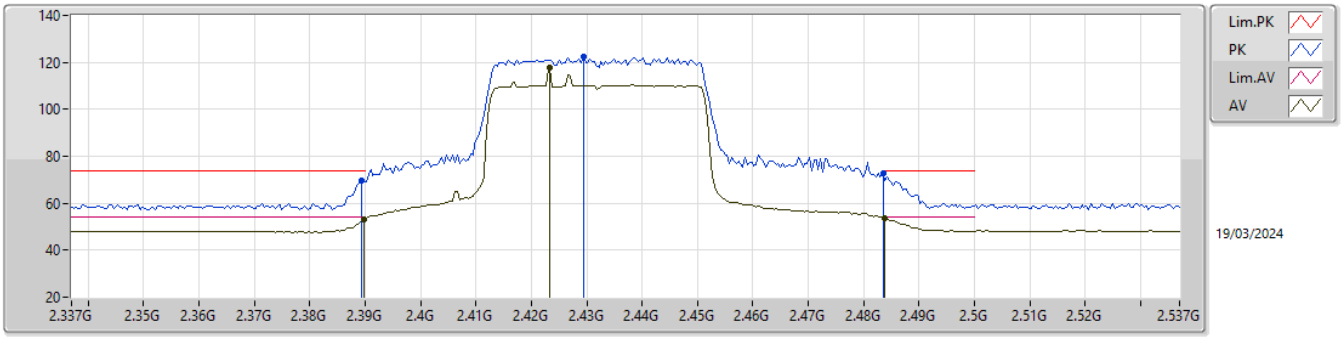


EUT Z_4TX
Setting 88
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8581G	46.42	74.00	-27.58	39.78	3	Horizontal	2	1.80	-	31.30	6.72	31.38
AV	4.85786G	33.36	54.00	-20.64	26.72	3	Horizontal	2	1.80	-	31.30	6.72	31.38
PK	7.27734G	53.69	74.00	-20.31	41.25	3	Horizontal	53	1.80	-	36.65	8.34	32.55
AV	7.2522G	40.11	54.00	-13.89	27.59	3	Horizontal	53	1.80	-	36.70	8.34	32.52

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

2427MHz_TX

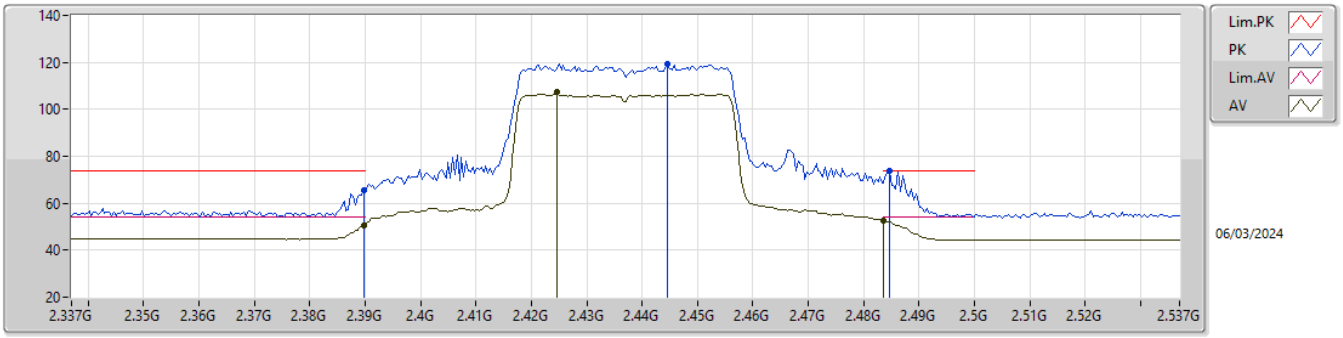


EUT Z_4TX
Setting 74
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	69.51	74.00	-4.49	37.16	3	Vertical	0	2.18	-	27.70	4.65	-
AV	2.3898G	52.92	54.00	-1.08	20.56	3	Vertical	0	2.18	-	27.70	4.66	-
PK	2.4294G	122.41	Inf	-Inf	90.15	3	Vertical	0	2.18	-	27.61	4.65	-
AV	2.4234G	117.97	Inf	-Inf	85.65	3	Vertical	0	2.18	-	27.67	4.65	-
PK	2.4835G	72.83	74.00	-1.17	40.73	3	Vertical	0	2.18	-	27.50	4.60	-
AV	2.4838G	53.73	54.00	-0.27	21.63	3	Vertical	0	2.18	-	27.50	4.60	-

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

2437MHz_TX

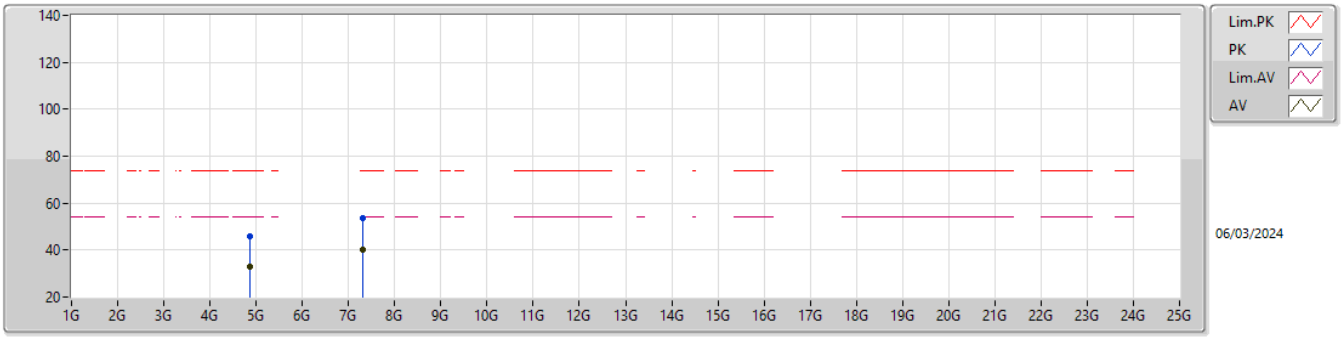


EUT Z_4TX
Setting 72
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	65.37	74.00	-8.63	32.96	3	Vertical	277.4	2.14	-	27.70	4.71	-
AV	2.3898G	50.59	54.00	-3.41	18.18	3	Vertical	277.4	2.14	-	27.70	4.71	-
PK	2.4446G	119.30	Inf	-Inf	87.04	3	Vertical	277.4	2.14	-	27.50	4.76	-
AV	2.4246G	107.16	Inf	-Inf	74.87	3	Vertical	277.4	2.14	-	27.55	4.74	-
PK	2.4846G	73.76	74.00	-0.24	41.56	3	Vertical	277.4	2.14	-	27.40	4.80	-
AV	2.4835G	52.67	54.00	-1.33	20.47	3	Vertical	277.4	2.14	-	27.40	4.80	-

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

2437MHz_TX

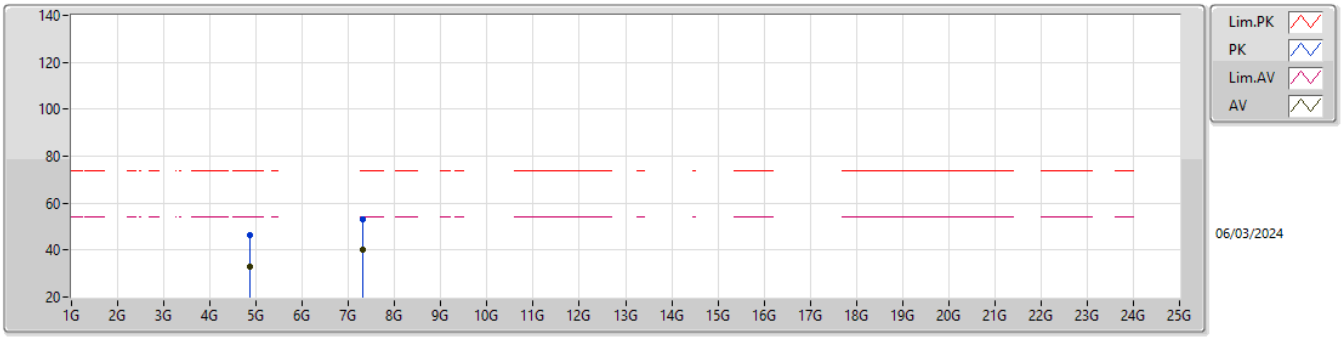


EUT Z_4TX
Setting 72
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87058G	45.97	74.00	-28.03	39.31	3	Vertical	319	1.20	-	31.30	6.73	31.37
AV	4.86458G	33.06	54.00	-20.94	26.41	3	Vertical	319	1.20	-	31.30	6.72	31.37
PK	7.3008G	53.77	74.00	-20.23	41.42	3	Vertical	7	1.68	-	36.60	8.34	32.59
AV	7.3041G	40.34	54.00	-13.66	27.99	3	Vertical	7	1.68	-	36.60	8.34	32.59

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

2437MHz_TX

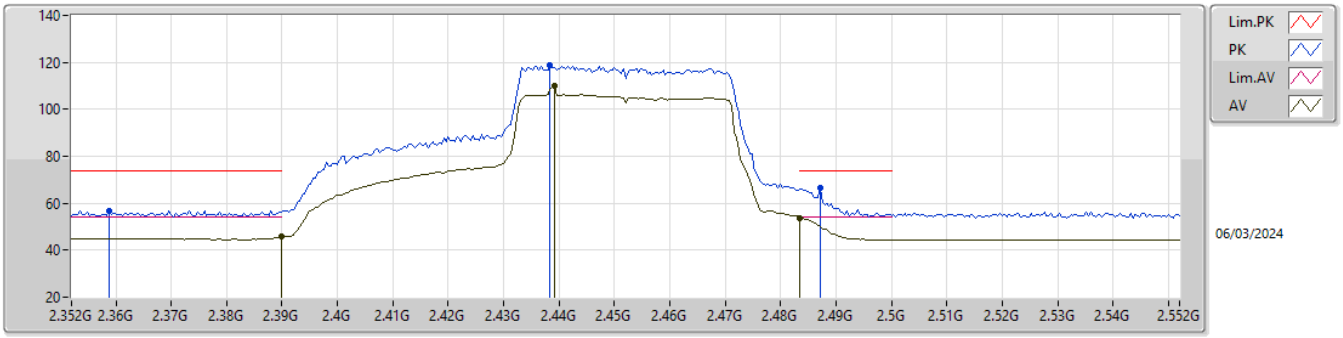


EUT Z_4TX
Setting 72
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.86524G	46.14	74.00	-27.86	39.48	3	Horizontal	59	2.94	-	31.30	6.73	31.37
AV	4.85948G	33.11	54.00	-20.89	26.47	3	Horizontal	59	2.94	-	31.30	6.72	31.38
PK	7.30254G	53.28	74.00	-20.72	40.93	3	Horizontal	320	2.71	-	36.60	8.34	32.59
AV	7.30434G	40.40	54.00	-13.60	28.05	3	Horizontal	320	2.71	-	36.60	8.34	32.59

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

2452MHz_TX

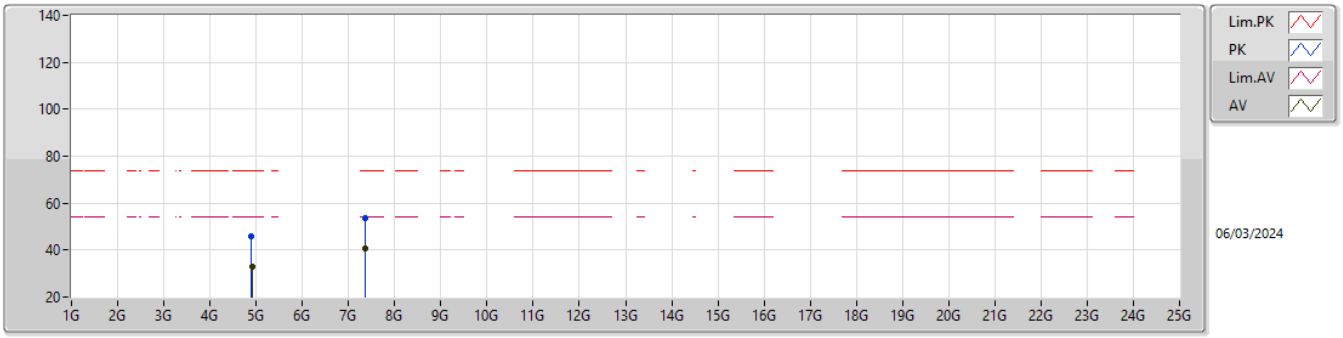


EUT Z_4TX
Setting 70
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3588G	56.91	74.00	-17.09	24.33	3	Vertical	266.8	2.24	-	27.90	4.68	-
AV	2.39G	45.66	54.00	-8.34	13.25	3	Vertical	266.8	2.24	-	27.70	4.71	-
PK	2.4384G	118.75	Inf	-Inf	86.50	3	Vertical	266.8	2.24	-	27.50	4.75	-
AV	2.4392G	109.86	Inf	-Inf	77.60	3	Vertical	266.8	2.24	-	27.50	4.76	-
PK	2.4872G	66.64	74.00	-7.36	34.44	3	Vertical	266.8	2.24	-	27.40	4.80	-
AV	2.4835G	53.78	54.00	-0.22	21.58	3	Vertical	266.8	2.24	-	27.40	4.80	-

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

2452MHz_TX

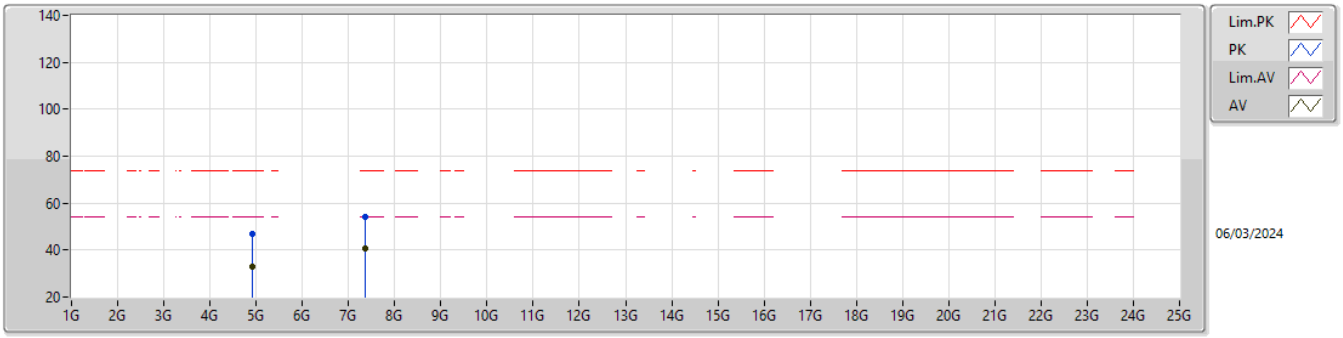


EUT Z_4TX
Setting 70
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.89236G	45.85	74.00	-28.15	39.16	3	Vertical	209	1.22	-	31.30	6.75	31.36
AV	4.9166G	33.09	54.00	-20.91	26.29	3	Vertical	209	1.22	-	31.37	6.77	31.34
PK	7.3542G	53.66	74.00	-20.34	41.38	3	Vertical	125	1.47	-	36.60	8.34	32.66
AV	7.36734G	40.67	54.00	-13.33	28.41	3	Vertical	125	1.47	-	36.60	8.34	32.68

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

2452MHz_TX

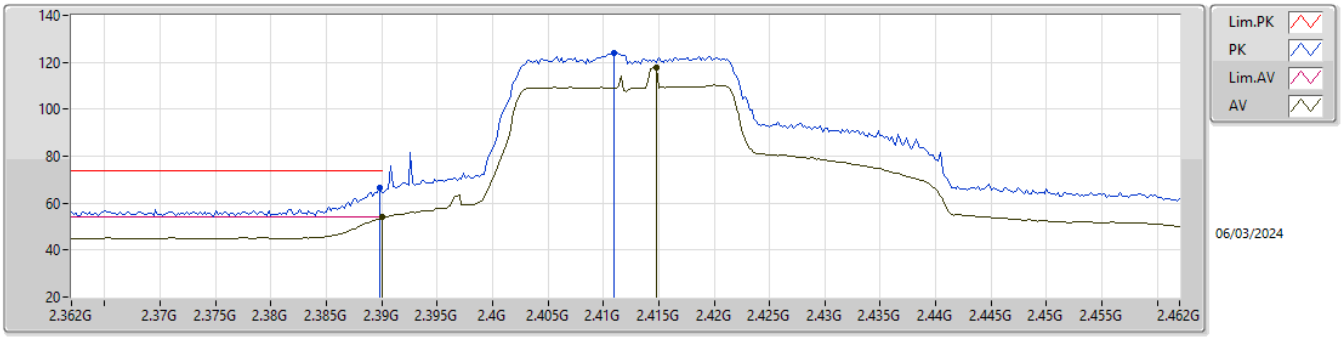


EUT Z_4TX
Setting 70
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.91336G	46.64	74.00	-27.36	39.86	3	Horizontal	335	2.79	-	31.35	6.77	31.34
AV	4.91552G	33.02	54.00	-20.98	26.23	3	Horizontal	335	2.79	-	31.36	6.77	31.34
PK	7.35678G	54.04	74.00	-19.96	41.77	3	Horizontal	272	2.76	-	36.60	8.34	32.67
AV	7.36776G	40.80	54.00	-13.20	28.54	3	Horizontal	272	2.76	-	36.60	8.34	32.68

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

2412MHz_TX

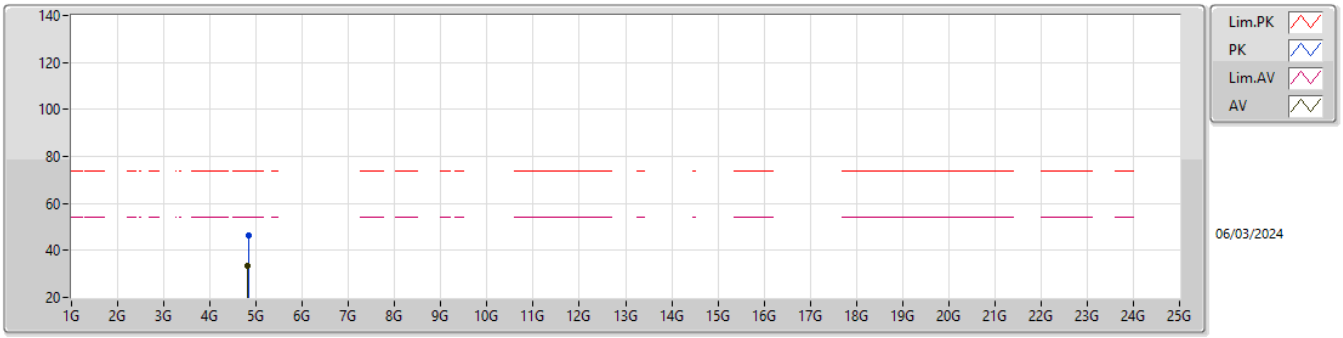


EUT Z_4TX
Setting 90
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	66.57	74.00	-7.43	34.16	3	Vertical	360	1.80	-	27.70	4.71	-
AV	2.39G	53.93	54.00	-0.07	21.52	3	Vertical	360	1.80	-	27.70	4.71	-
PK	2.411G	124.03	Inf	-Inf	91.70	3	Vertical	360	1.80	-	27.60	4.73	-
AV	2.4148G	117.54	Inf	-Inf	85.21	3	Vertical	360	1.80	-	27.60	4.73	-

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

2412MHz_TX

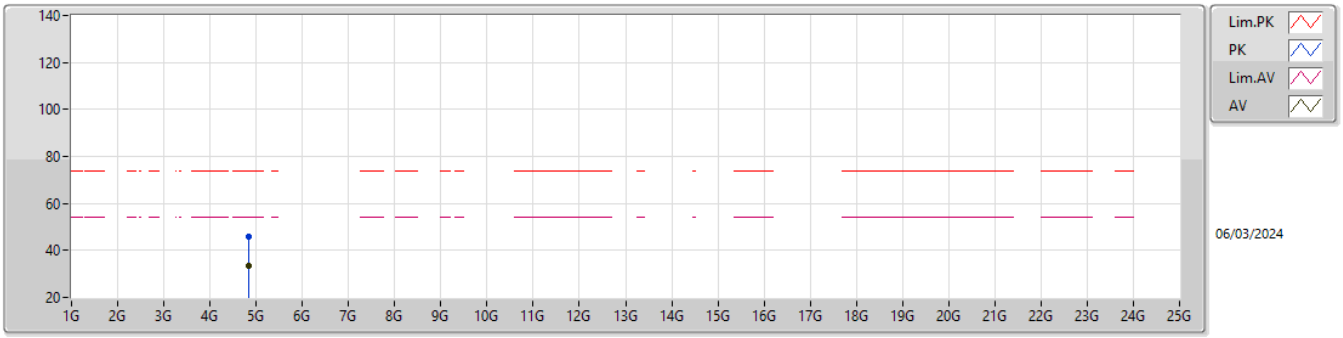


EUT Z_4TX
Setting 90
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82946G	46.26	74.00	-27.74	39.66	3	Vertical	267	1.10	-	31.30	6.70	31.40
AV	4.81338G	33.22	54.00	-20.78	26.65	3	Vertical	267	1.10	-	31.30	6.68	31.41

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

2412MHz_TX

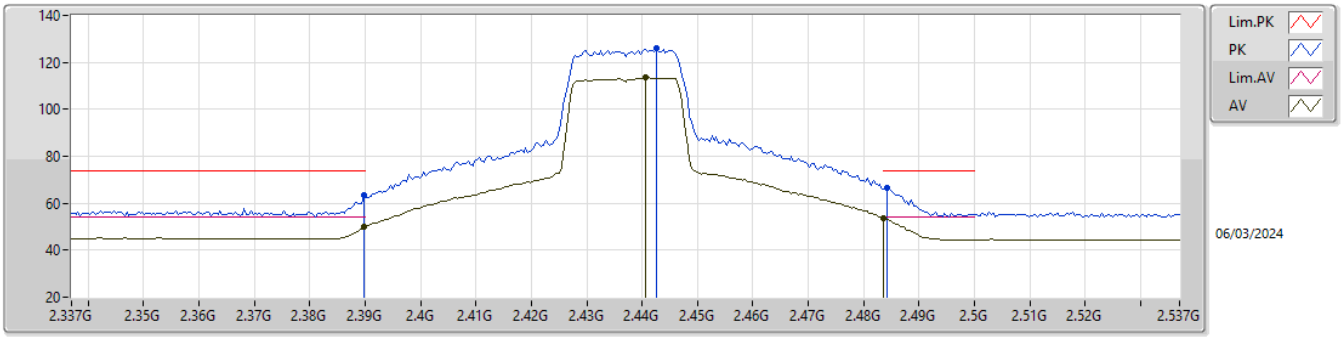


EUT Z_4TX
Setting 90
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82556G	45.83	74.00	-28.17	39.24	3	Horizontal	261	1.57	-	31.30	6.69	31.40
AV	4.82904G	33.25	54.00	-20.75	26.66	3	Horizontal	261	1.57	-	31.30	6.69	31.40

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

2437MHz_TX

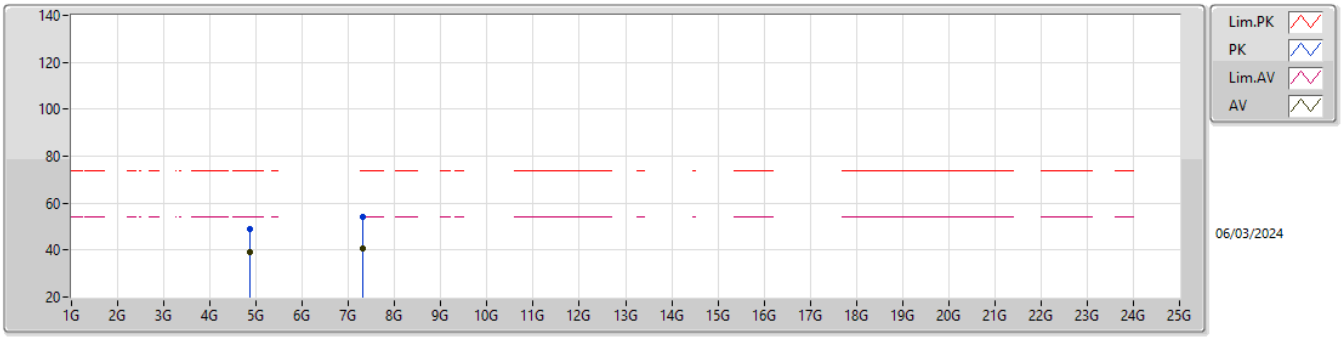


EUT Z_4TX
Setting 99
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	63.27	74.00	-10.73	30.86	3	Vertical	158	2.50	-	27.70	4.71	-
AV	2.3898G	49.75	54.00	-4.25	17.34	3	Vertical	158	2.50	-	27.70	4.71	-
PK	2.4426G	125.95	Inf	-Inf	93.69	3	Vertical	158	2.50	-	27.50	4.76	-
AV	2.4406G	113.58	Inf	-Inf	81.32	3	Vertical	158	2.50	-	27.50	4.76	-
PK	2.4842G	66.80	74.00	-7.20	34.60	3	Vertical	158	2.50	-	27.40	4.80	-
AV	2.4835G	53.79	54.00	-0.21	21.59	3	Vertical	158	2.50	-	27.40	4.80	-

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

2437MHz_TX

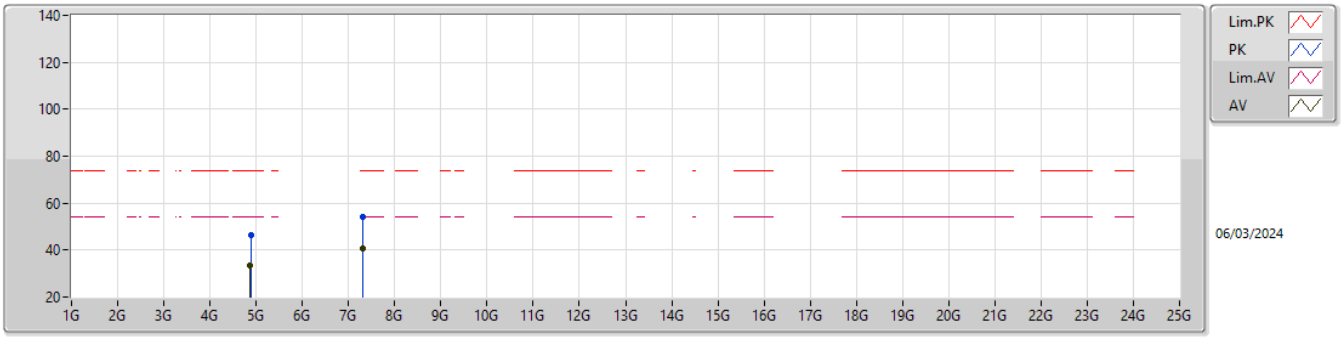


EUT Z_4TX
Setting 99
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.873776G	48.78	74.00	-25.22	42.12	3	Vertical	337	1.03	-	31.30	6.73	31.37
AV	4.87394G	39.20	54.00	-14.80	32.54	3	Vertical	337	1.03	-	31.30	6.73	31.37
PK	7.30584G	53.98	74.00	-20.02	41.63	3	Vertical	51	1.42	-	36.60	8.34	32.59
AV	7.29876G	40.67	54.00	-13.33	28.31	3	Vertical	51	1.42	-	36.60	8.34	32.58

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

2437MHz_TX

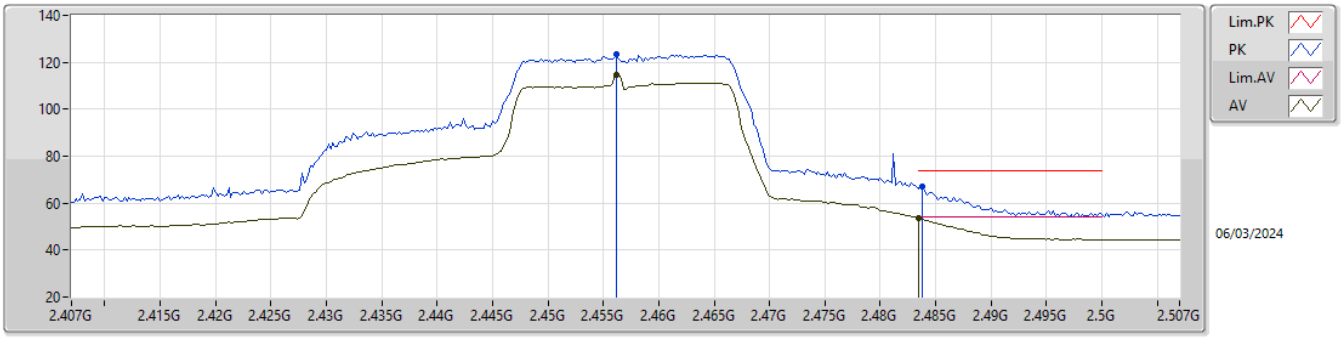


EUT Z_4TX
Setting 99
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.88246G	46.57	74.00	-27.43	39.89	3	Horizontal	113	1.03	-	31.30	6.74	31.36
AV	4.86602G	33.24	54.00	-20.76	26.58	3	Horizontal	113	1.03	-	31.30	6.73	31.37
PK	7.29612G	54.04	74.00	-19.96	41.67	3	Horizontal	61	2.59	-	36.61	8.34	32.58
AV	7.31022G	40.80	54.00	-13.20	28.46	3	Horizontal	61	2.59	-	36.60	8.34	32.60

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

2457MHz_TX

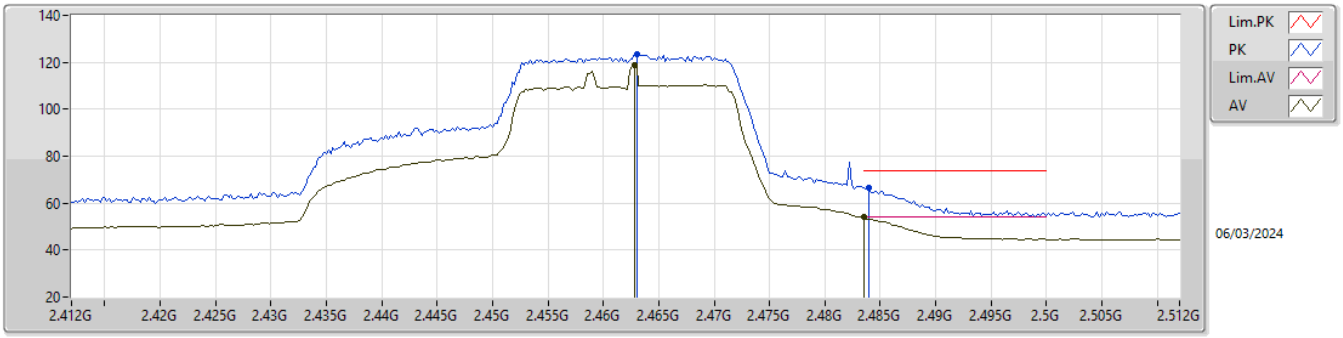


EUT Z_4TX
Setting 89
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4562G	123.33	Inf	-Inf	91.12	3	Vertical	314.5	2.38	-	27.44	4.77	-
AV	2.4562G	114.76	Inf	-Inf	82.55	3	Vertical	314.5	2.38	-	27.44	4.77	-
PK	2.4838G	67.05	74.00	-6.95	34.85	3	Vertical	314.5	2.38	-	27.40	4.80	-
AV	2.4835G	53.43	54.00	-0.57	21.23	3	Vertical	314.5	2.38	-	27.40	4.80	-

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

2462MHz_TX

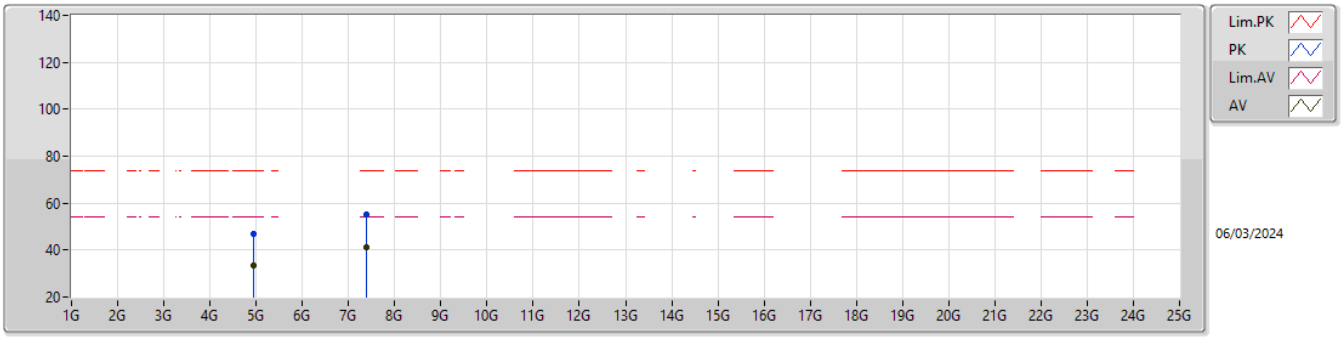


EUT Z_4TX
Setting 86
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.463G	123.52	Inf	-Inf	91.34	3	Vertical	0	2.74	-	27.40	4.78	-
AV	2.4628G	119.05	Inf	-Inf	86.87	3	Vertical	0	2.74	-	27.40	4.78	-
PK	2.484G	66.41	74.00	-7.59	34.21	3	Vertical	0	2.74	-	27.40	4.80	-
AV	2.4835G	53.91	54.00	-0.09	21.71	3	Vertical	0	2.74	-	27.40	4.80	-

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

2462MHz_TX

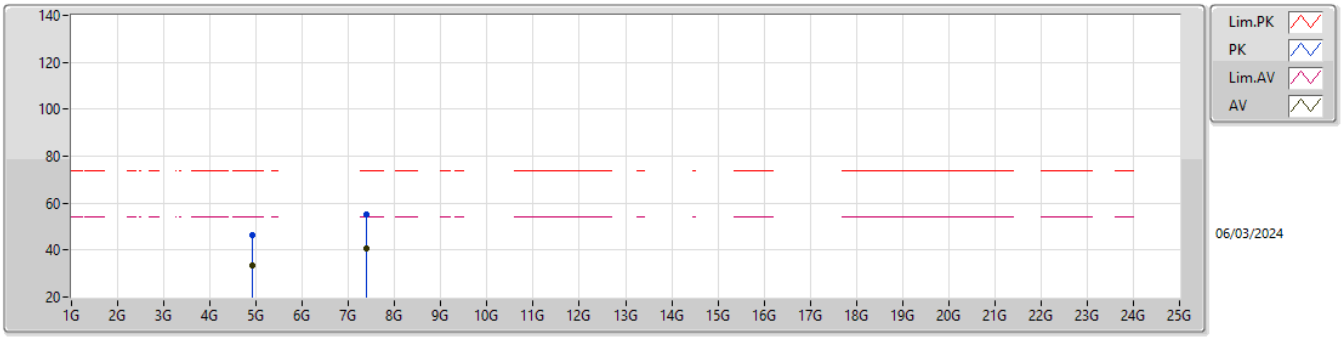


EUT Z_4TX
Setting 86
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.93192G	46.93	74.00	-27.07	40.05	3	Vertical	158	1.49	-	31.43	6.78	31.33
AV	4.93006G	33.48	54.00	-20.52	26.61	3	Vertical	158	1.49	-	31.42	6.78	31.33
PK	7.37802G	54.97	74.00	-19.03	42.73	3	Vertical	201	1.85	-	36.60	8.34	32.70
AV	7.37592G	41.01	54.00	-12.99	28.76	3	Vertical	201	1.85	-	36.60	8.34	32.69

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

2462MHz_TX

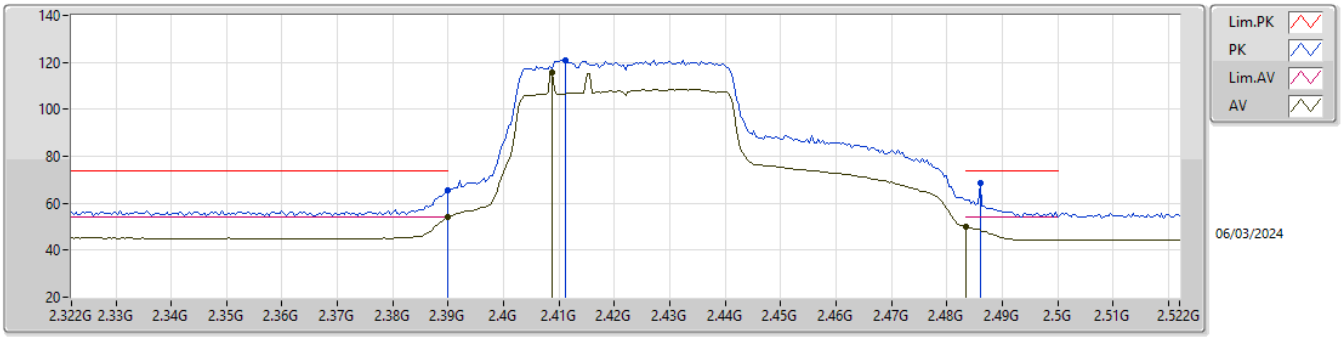


EUT Z_4TX
Setting 86
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92262G	46.24	74.00	-27.76	39.41	3	Horizontal	306	1.46	-	31.39	6.77	31.33
AV	4.92898G	33.45	54.00	-20.55	26.58	3	Horizontal	306	1.46	-	31.42	6.78	31.33
PK	7.39074G	54.96	74.00	-19.04	42.73	3	Horizontal	129	2.90	-	36.60	8.34	32.71
AV	7.3788G	40.89	54.00	-13.11	28.65	3	Horizontal	129	2.90	-	36.60	8.34	32.70

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

2422MHz_TX

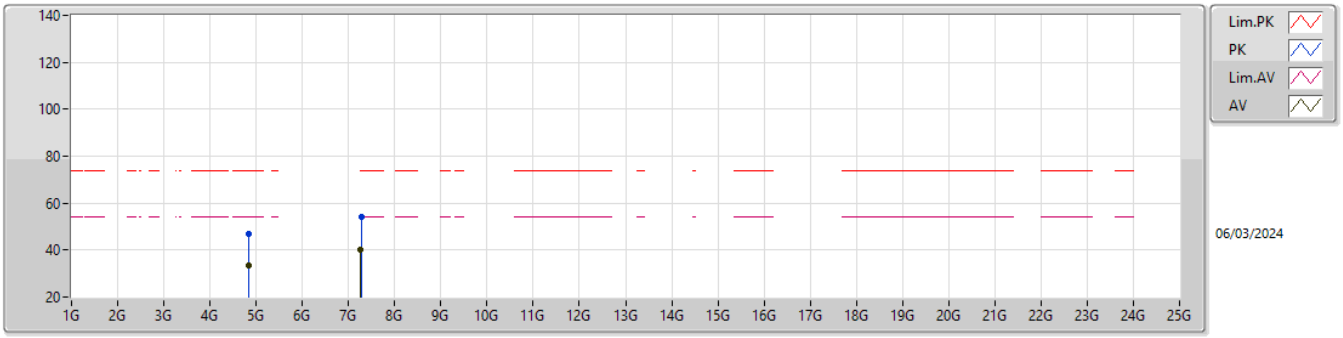


EUT Z_4TX
Setting 91
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	65.71	74.00	-8.29	33.30	3	Vertical	84.5	1.80	-	27.70	4.71	-
AV	2.39G	53.96	54.00	-0.04	21.55	3	Vertical	84.5	1.80	-	27.70	4.71	-
PK	2.4112G	121.04	Inf	-Inf	88.71	3	Vertical	84.5	1.80	-	27.60	4.73	-
AV	2.4088G	115.71	Inf	-Inf	83.37	3	Vertical	84.5	1.80	-	27.61	4.73	-
PK	2.486G	68.81	74.00	-5.19	36.61	3	Vertical	84.5	1.80	-	27.40	4.80	-
AV	2.4835G	49.83	54.00	-4.17	17.63	3	Vertical	84.5	1.80	-	27.40	4.80	-

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

2422MHz_TX

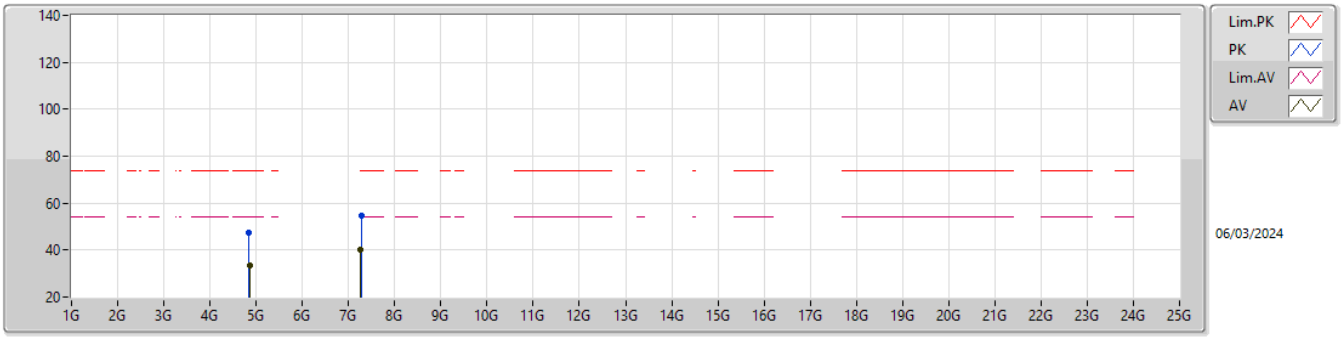


EUT Z_4TX
Setting 91
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8422G	46.85	74.00	-27.15	40.23	3	Vertical	204	2.27	-	31.30	6.71	31.39
AV	4.829G	33.44	54.00	-20.56	26.85	3	Vertical	204	2.27	-	31.30	6.69	31.40
PK	7.27314G	54.11	74.00	-19.89	41.67	3	Vertical	53	1.80	-	36.65	8.34	32.55
AV	7.25184G	40.26	54.00	-13.74	27.74	3	Vertical	53	1.80	-	36.70	8.34	32.52

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

2422MHz_TX

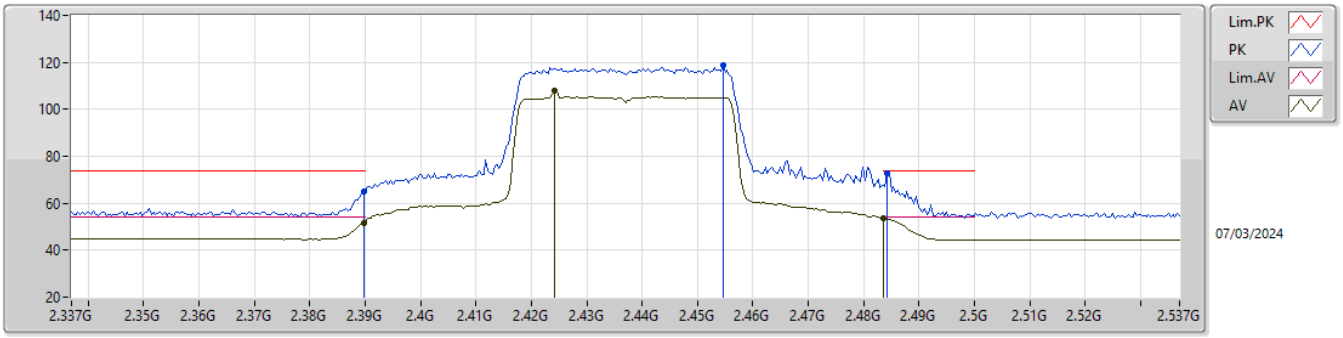


EUT Z_4TX
Setting 91
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.84292G	47.37	74.00	-26.63	40.75	3	Horizontal	317	1.05	-	31.30	6.71	31.39
AV	4.85168G	33.35	54.00	-20.65	26.72	3	Horizontal	317	1.05	-	31.30	6.71	31.38
PK	7.27656G	54.69	74.00	-19.31	42.25	3	Horizontal	292	1.75	-	36.65	8.34	32.55
AV	7.266G	40.09	54.00	-13.91	27.62	3	Horizontal	292	1.75	-	36.67	8.34	32.54

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

2437MHz_TX

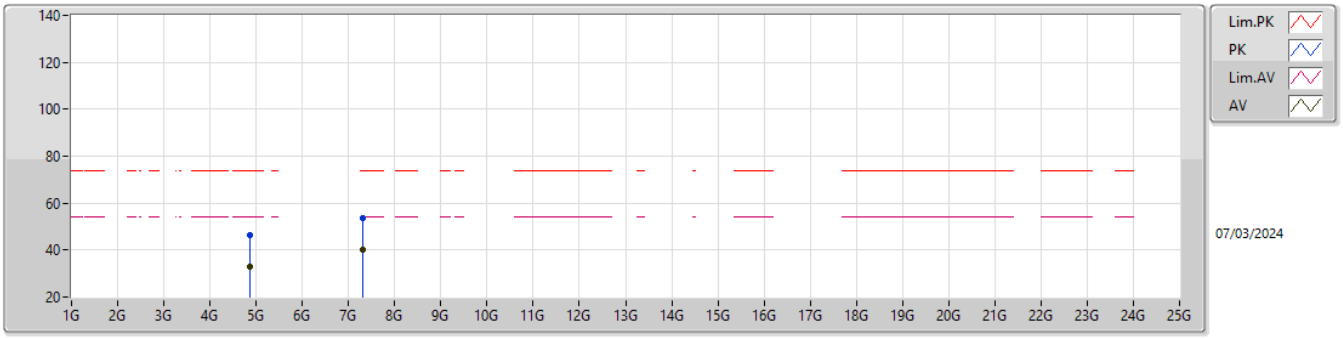


EUT Z_4TX
Setting 75
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	65.15	74.00	-8.85	32.74	3	Vertical	285.2	2.10	-	27.70	4.71	-
AV	2.3898G	51.70	54.00	-2.30	19.29	3	Vertical	285.2	2.10	-	27.70	4.71	-
PK	2.4546G	119.01	Inf	-Inf	86.79	3	Vertical	285.2	2.10	-	27.45	4.77	-
AV	2.4242G	107.86	Inf	-Inf	75.56	3	Vertical	285.2	2.10	-	27.56	4.74	-
PK	2.4842G	72.84	74.00	-1.16	40.64	3	Vertical	285.2	2.10	-	27.40	4.80	-
AV	2.4835G	53.67	54.00	-0.33	21.47	3	Vertical	285.2	2.10	-	27.40	4.80	-

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

2437MHz_TX

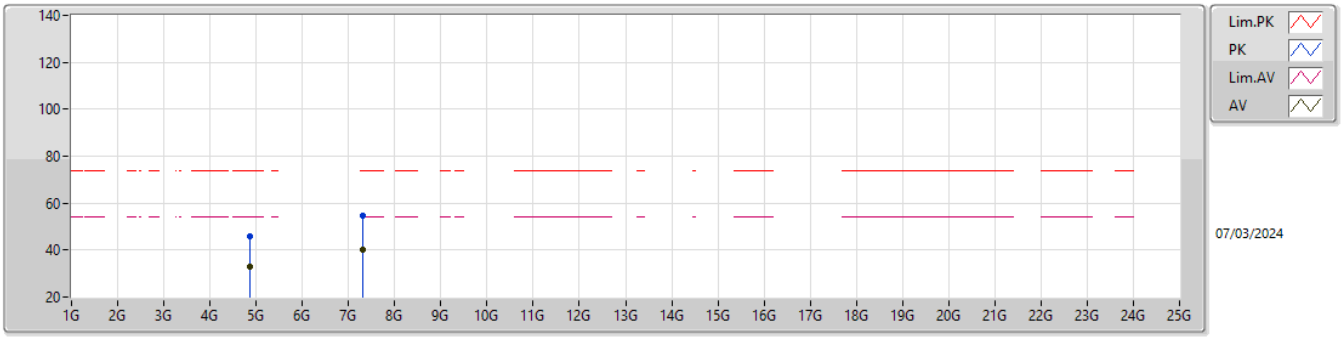


EUT Z_4TX
Setting 75
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.86836G	46.25	74.00	-27.75	39.59	3	Vertical	204	1.41	-	31.30	6.73	31.37
AV	4.8602G	33.06	54.00	-20.94	26.42	3	Vertical	204	1.41	-	31.30	6.72	31.38
PK	7.31286G	53.84	74.00	-20.16	41.50	3	Vertical	71	2.57	-	36.60	8.34	32.60
AV	7.30176G	40.28	54.00	-13.72	27.93	3	Vertical	71	2.57	-	36.60	8.34	32.59

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

2437MHz_TX

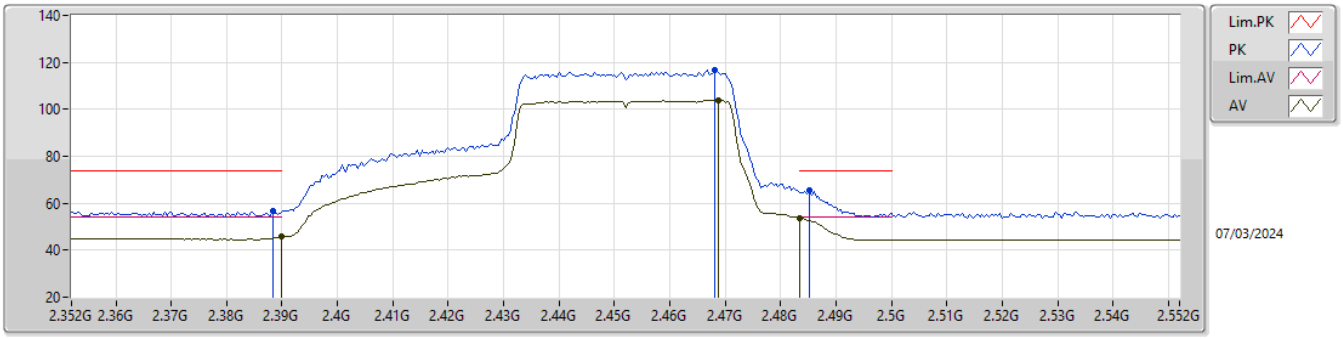


EUT Z_4TX
Setting 75
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.870760G	45.81	74.00	-28.19	39.15	3	Horizontal	111	2.29	-	31.30	6.73	31.37
AV	4.861760G	33.04	54.00	-20.96	26.40	3	Horizontal	111	2.29	-	31.30	6.72	31.38
PK	7.306980G	54.46	74.00	-19.54	42.12	3	Horizontal	93	1.59	-	36.60	8.34	32.60
AV	7.300800G	40.29	54.00	-13.71	27.94	3	Horizontal	93	1.59	-	36.60	8.34	32.59

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

2452MHz_TX

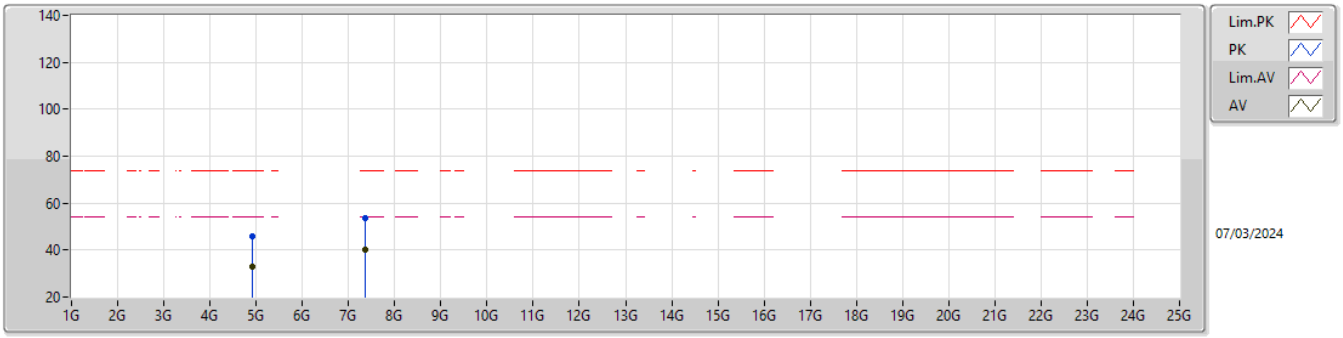


EUT Z_4TX
Setting 69
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3884G	56.65	74.00	-17.35	24.24	3	Vertical	283.1	2.27	-	27.70	4.71	-
AV	2.39G	45.71	54.00	-8.29	13.30	3	Vertical	283.1	2.27	-	27.70	4.71	-
PK	2.468G	116.71	Inf	-Inf	84.53	3	Vertical	283.1	2.27	-	27.40	4.78	-
AV	2.4688G	103.88	Inf	-Inf	71.70	3	Vertical	283.1	2.27	-	27.40	4.78	-
PK	2.4852G	65.63	74.00	-8.37	33.43	3	Vertical	283.1	2.27	-	27.40	4.80	-
AV	2.4835G	53.82	54.00	-0.18	21.62	3	Vertical	283.1	2.27	-	27.40	4.80	-

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

2452MHz_TX

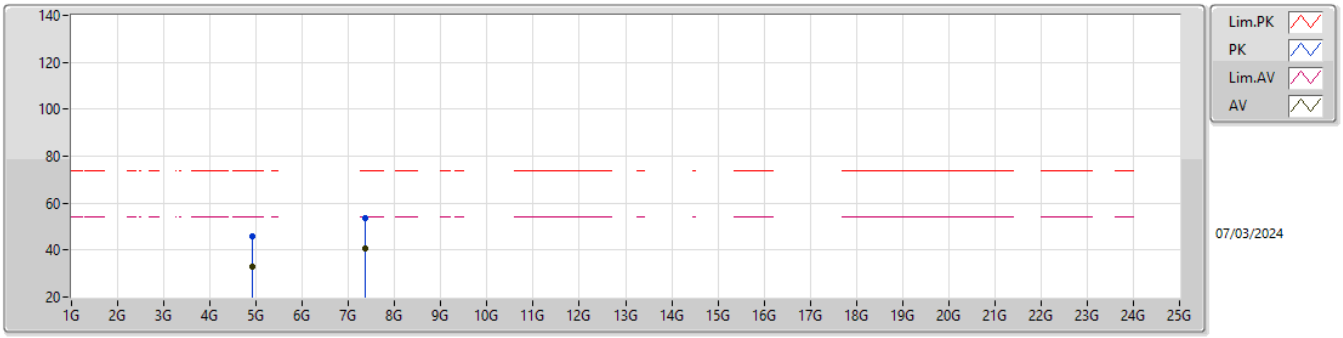


EUT Z_4TX
Setting 69
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.91564G	45.94	74.00	-28.06	39.15	3	Vertical	37	2.25	-	31.36	6.77	31.34
AV	4.91666G	33.03	54.00	-20.97	26.23	3	Vertical	37	2.25	-	31.37	6.77	31.34
PK	7.36884G	53.61	74.00	-20.39	41.35	3	Vertical	135	2.05	-	36.60	8.34	32.68
AV	7.36446G	40.41	54.00	-13.59	28.15	3	Vertical	135	2.05	-	36.60	8.34	32.68

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

2452MHz_TX



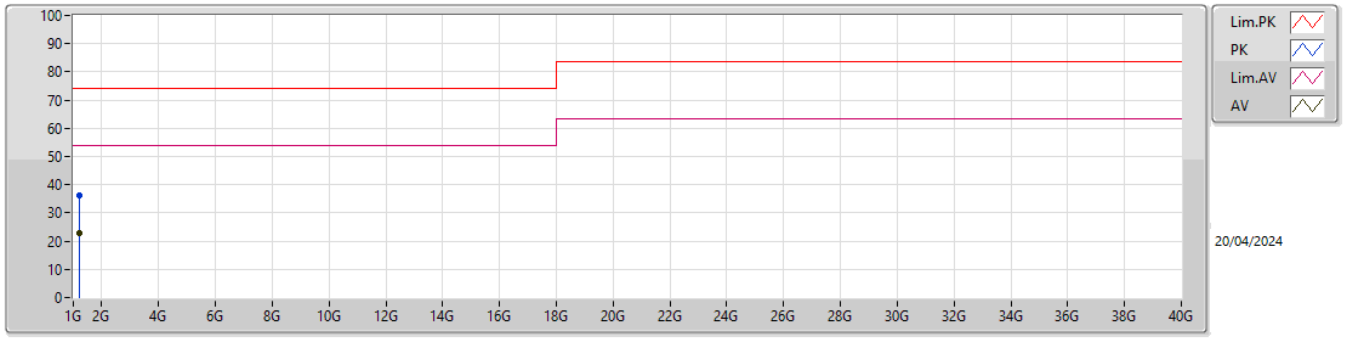
EUT Z_4TX
Setting 69
06-D-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.91642G	45.94	74.00	-28.06	39.14	3	Horizontal	7	1.54	-	31.37	6.77	31.34
AV	4.9142G	33.00	54.00	-21.00	26.21	3	Horizontal	7	1.54	-	31.36	6.77	31.34
PK	7.36284G	53.37	74.00	-20.63	41.11	3	Horizontal	118	2.81	-	36.60	8.34	32.68
AV	7.36896G	40.44	54.00	-13.56	28.18	3	Horizontal	118	2.81	-	36.60	8.34	32.68

Summary

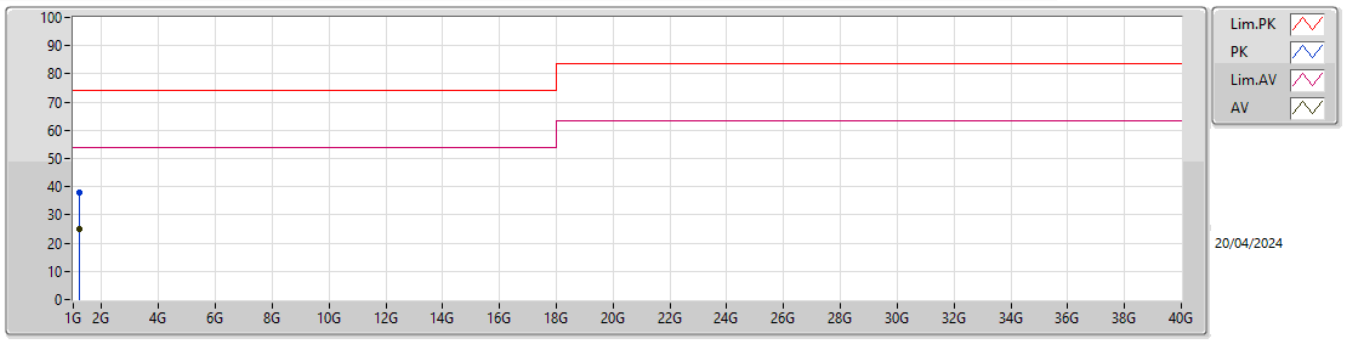
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.19636G	25.12	54.00	-28.88	Horizontal

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.20291G	36.35	74.00	-37.65	-6.43	3	Vertical	45	1.00	-	42.78	24.60	3.39	34.42
AV	1.19606G	23.03	54.00	-30.97	-6.44	3	Vertical	45	1.00	"Worst"	29.47	24.60	3.38	34.42

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.20453G	37.77	74.00	-36.23	-6.42	3	Horizontal	221	1.00	-	44.19	24.60	3.40	34.42
AV	1.19636G	25.12	54.00	-28.88	-6.44	3	Horizontal	221	1.00	"Worst"	31.56	24.60	3.38	34.42