

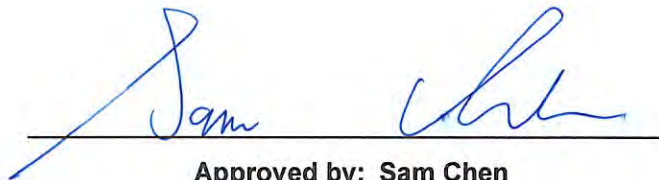


RADIO TEST REPORT

FCC ID : UIDTG6452
Equipment : Cable Modem
Brand Name : ARRIS
Model Name : TG6452, DG6450
Applicant : ARRIS
3871 Lakefield Drive Suite 300 SUWANEE Georgia
United States 30024
Manufacturer : ARRIS
3871 Lakefield Drive Suite 300 SUWANEE Georgia
United States 30024
Standard : 47 CFR FCC Part 15.247

The product was received on Mar. 22, 2022, and testing was started from Apr. 09, 2022 and completed on May 31, 2022. 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

TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A10_10 Ver1.3

Page Number : 3 of 36
Issued Date : Jul. 20, 2022
Report Version : 01



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	-

Declaration of Conformity:

1. The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Measurement Uncertainty".

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Viola 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), ax (HEW20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), ax (HEW40)	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX
2.4-2.4835GHz	802.11g	20	4TX
2.4-2.4835GHz	802.11n HT20	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	802.11n HT40	40	4TX
2.4-2.4835GHz	802.11ax HEW40	40	4TX
2.4-2.4835GHz	802.11ax HEW40-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.
- ♦ HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.



1.1.2 Antenna Information

Ant.	RF Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	Wanshih	BBGWIFI0038A	PCB Antenna	I-PEX	Note 1
2	2	Wanshih	BBGWIFI0038A	PCB Antenna	I-PEX	
3	3	Wanshih	BBGWIFI0038A	PCB Antenna	I-PEX	
4	4	Wanshih	BBGWIFI0038A	PCB Antenna	I-PEX	
5	-	Wanshih	WPB720	PCB Antenna	I-PEX	

Note 1:

Ant.	Antenna Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz			
		UNII 1	UNII 2A	UNII 2C	UNII 3
1	3.21	2.34	2.39	3.23	3.3
2	3.33	3.53	2.83	2.83	3.93
3	4.48	2.9	3.39	2.64	2.86
4	4.51	3.93	4.55	3.74	4.25
Item	Directional Gain (dBi)				
4T1S	5.71	4.85	4.66	4.57	5.24
4T2S	4.51	3.93	4.55	3.74	4.25
4T4S	4.51	3.93	4.55	3.74	4.25

Note 2: The above information was declared by manufacturer.

Note 3: The EUT has five antennas

Note 4: The brand/model/antenna type information was declared by manufacturer.

Note 5: Maximum Directional Gain following KDB662911 D03.

The antenna report is provided in the operational description for this application.

Note 6: There is no function for antenna 5. The DFS band was not enabled.

<WLAN 2.4GHz Function>

For IEEE 802.11b (1TX/4RX):

The EUT supports the Port 1~Port 4 with TX diversity function.

Port 1 generated the worst case than others, so it is tested and recorded in the report.

Port 1~Port 4 can be used as receiving antennas.

Port 1~Port 4 could receive simultaneously.

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

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

Port 1~Port 4 could transmit/receive simultaneously.

<WLAN 5GHz Function>

For IEEE 802.11a (1TX/4RX):

The EUT supports the Port 1~Port 4 with TX diversity function.

Port 4 generated the worst case than others, so it is tested and recorded in the report.

Port 1~Port 4 can be used as receiving antennas.



Port 1~Port 4 could receive simultaneously.

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

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

Port 1~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	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.994	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20	0.994	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)

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 11ax in 2.4GHz, 11n/11ac/11ax in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	intel DUT GUI Version 610.36			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

Model Name	EUT No.	Voice function
TG6452	EUT 1	V
DG6450	EUT 2	X

Note 1: From the above models, EUT 1 was selected for all test and recorded in this report, EUT 2 was selected for AC Power-line Conducted Emissions and Emissions in Non-restricted Frequency Bands Below 1GHz test and recorded in this report.

Note 2: 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 ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)					
(TAF: 3787) TEL: 886-3-656-9065 FAX: 886-3-656-9085					
Test site Designation No. TW3787 with FCC.					
Conformity Assessment Body Identifier (CABID) TW3787 with ISED.					

Test Condition	Test Site No.	EUT No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH02-CB	EUT 1	Jay Lo	24.1~24.6 / 63~65	Apr. 15, 2022~May 31, 2022
Radiated Below 1GHz	03CH05-CB	EUT 1	Kevin Huang	24.2~26.1 / 55~58	Apr. 18, 2022~Apr. 19, 2022
		EUT 2	Kevin Huang	23.8~24.9 / 55~58	Apr. 18, 2022~Apr. 19, 2022
Radiated above 1GHz (For other tests)	03CH04-CB	EUT 1	Gino Huang	23.1~24.2 / 55~58	Apr. 09, 2022~May 27, 2022
Radiated above 1GHz (For co-location test)	03CH05-CB	EUT 1	Gino Huang	24.2~26.1 / 55~58	Apr. 09, 2022~May 27, 2022
AC Conduction	CO01-CB	EUT 1~EUT 2	Joe Chu	20~22 / 60~62	Apr. 27, 2022



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)	4.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.9 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

For EUT 1

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	25
2417MHz	26
2437MHz	28
2457MHz	24
2462MHz	24
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	19
2417MHz	21
2437MHz	27
2457MHz	19
2462MHz	19
802.11ax HEW20_Nss1,(MCS0)_4TX	-
2412MHz	17.5
2417MHz	20
2437MHz	26.5
2457MHz	19
2462MHz	17
802.11ax HEW40_Nss1,(MCS0)_4TX	-
2422MHz	17.5
2427MHz	17.5
2437MHz	20
2447MHz	17.5
2452MHz	16.5
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
2412MHz	17
2417MHz	20
2437MHz	22
2457MHz	15
2462MHz	14.5
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
2422MHz	16.5
2427MHz	18.5
2437MHz	19
2447MHz	17



Mode	Power Setting
2452MHz	16

Note:

- ♦ Evaluated HEW20/HEW40 mode only due to the similar modulation. The power setting of HT20/HT40 mode are the same or lower than HEW20/HEW40.
- ♦ The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT 1 with adapter
2	EUT 2 with adapter

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
1	EUT 1 with adapter

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	Normal Link
1	EUT 1 in X axis with Adapter
2	EUT 1 in Y axis with Adapter
3	EUT 1 in Z axis with Adapter
4	EUT 2 in X axis with Adapter
5	EUT 2 in Y axis with Adapter
6	EUT 2 in Z axis with Adapter
For operating mode 3 and mode 5 is the worst case and they were record in this test report.	
Operating Mode > 1GHz	CTX The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found as below. So the measurement will follow this same test configuration.
1	EUT 1 in Z axis_For 1TX
2	EUT 1 in X axis_For 4TX



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
	The EUT was performed at X axis, Y axis and Z axis position for Unwanted Emissions above 1GHz test, and the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT 1 in Y axis_WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA232223 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter	NetBit	NBS42D120350VU	INPUT: 100-240V~, 50/60Hz, 1.0A OUTPUT: 12.0V, 3.5A
Others			
RJ-45 cable: Non-shielded, 1.5m			



2.5 Support Equipment

For AC Conduction:

For EUT 1

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	2.5G LAN PC	DELL	E6430	N/A
B	1G LAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	CO NB	DELL	E6430	N/A
F	Phone	SAMPO	HT-B 907WL	N/A
G	Phone	SAMPO	HT-B 907WL	N/A
H	CO	CASA SYSTEMS	C2200	N/A

For EUT 2

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	2.5G LAN PC	DELL	E6430	N/A
B	1G LAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	CO	CASA SYSTEMS	C2200	N/A
F	CO NB	DELL	E6430	N/A

For Radiated (below 1GHz):

For EUT 1

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Phone	PHILIPS	M20	N/A
B	Phone	PHILIPS	M20	N/A
C	WLAN Card(2.5G LAN)	ASUS	PCE-88U	N/A
D	Notebook(2.4G)	DELL	E4300	N/A
E	Notebook(5G)	DELL	E4300	N/A
F	Notebook(LAN)	DELL	E4300	N/A
G	CO	CASA SYSTEMS	C2200	N/A

**For EUT 2**

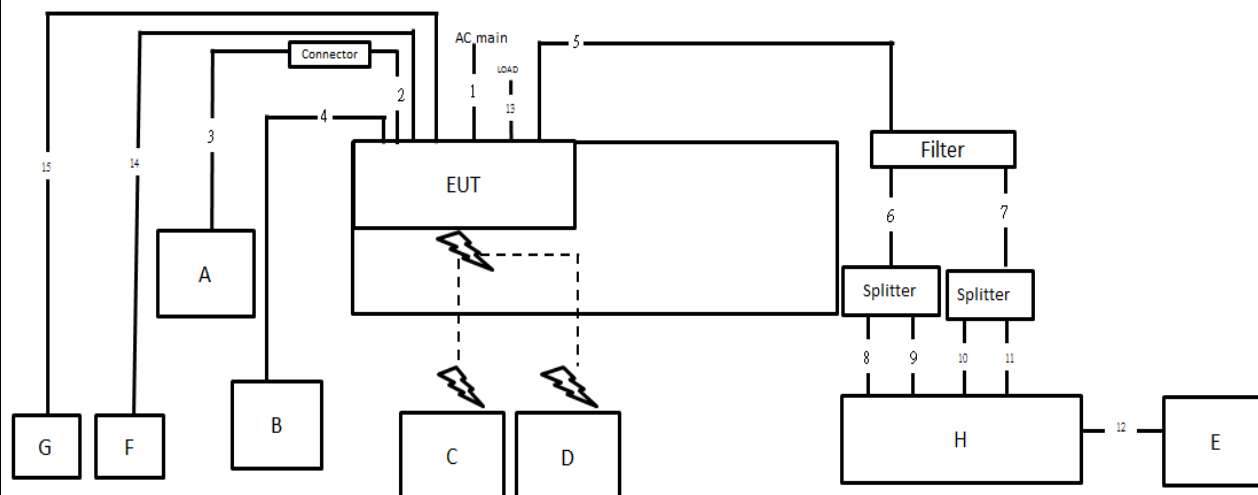
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	WLAN Card(2.5G LAN)	ASUS	PCE-88U	MSQ-PCIE0U00
B	NB (2.4G)	DELL	E4300	N/A
C	NB (5G)	DELL	E4300	N/A
D	NB (LAN)	DELL	E4300	N/A
E	CO	CASA SYSTEMS	C2200	N/A
F	NB (CO)	DELL	E4300	N/A

For Radiated (above 1GHz) and RF Conducted:

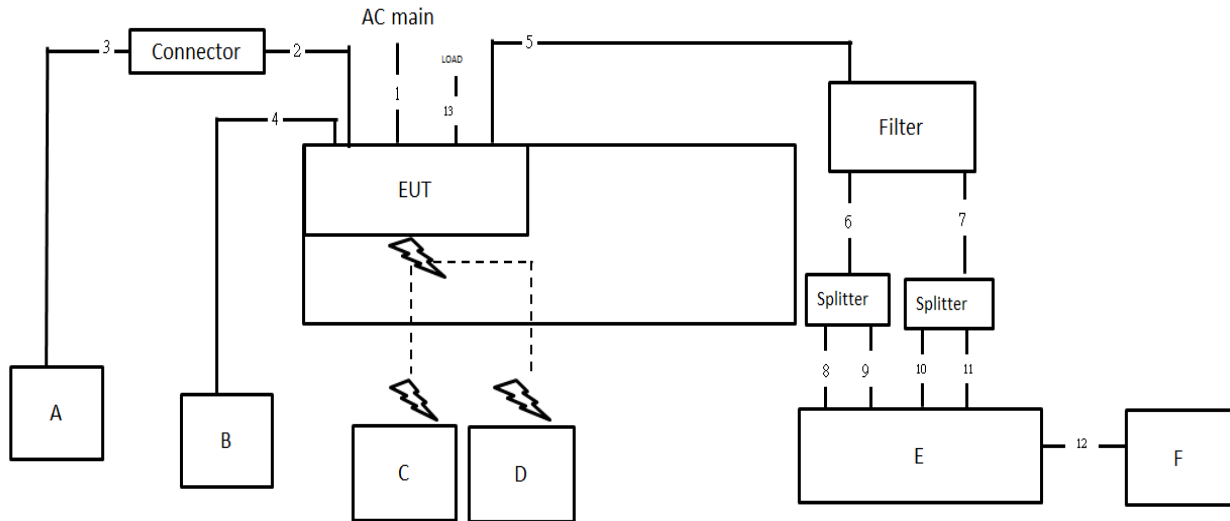
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A

2.6 Test Setup Diagram

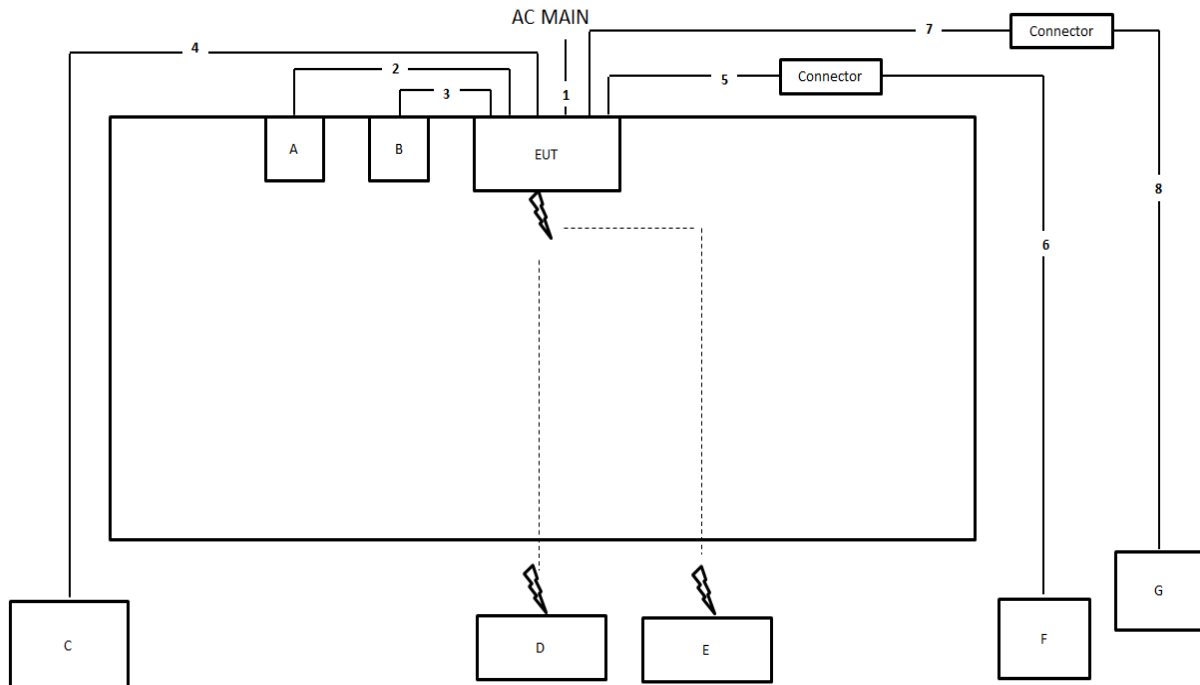
Test Setup Diagram – AC Line Conducted Emission Test / For EUT 1



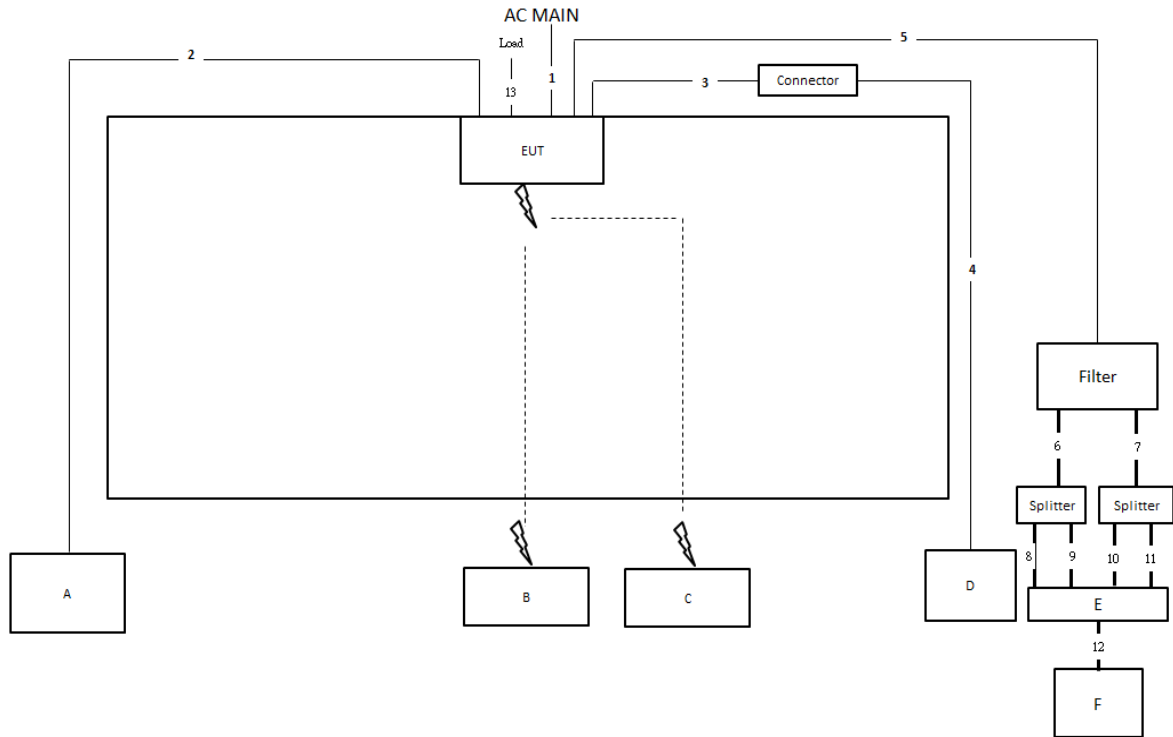
Item	Connection	Shielded	Length
1	Power cable	No	1m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	10m
5	Coaxial cable	Yes	10m
6	Coaxial cable	Yes	1m
7	Coaxial cable	Yes	1m
8	Coaxial cable	Yes	1m
9	Coaxial cable	Yes	1m
10	Coaxial cable	Yes	1m
11	Coaxial cable	Yes	1m
12	RJ-45 cable	No	1.5m
13	RJ-45 cable	No	1.5m
14	RJ-11 cable	No	10m
15	RJ-11 cable	No	10m

For EUT 2


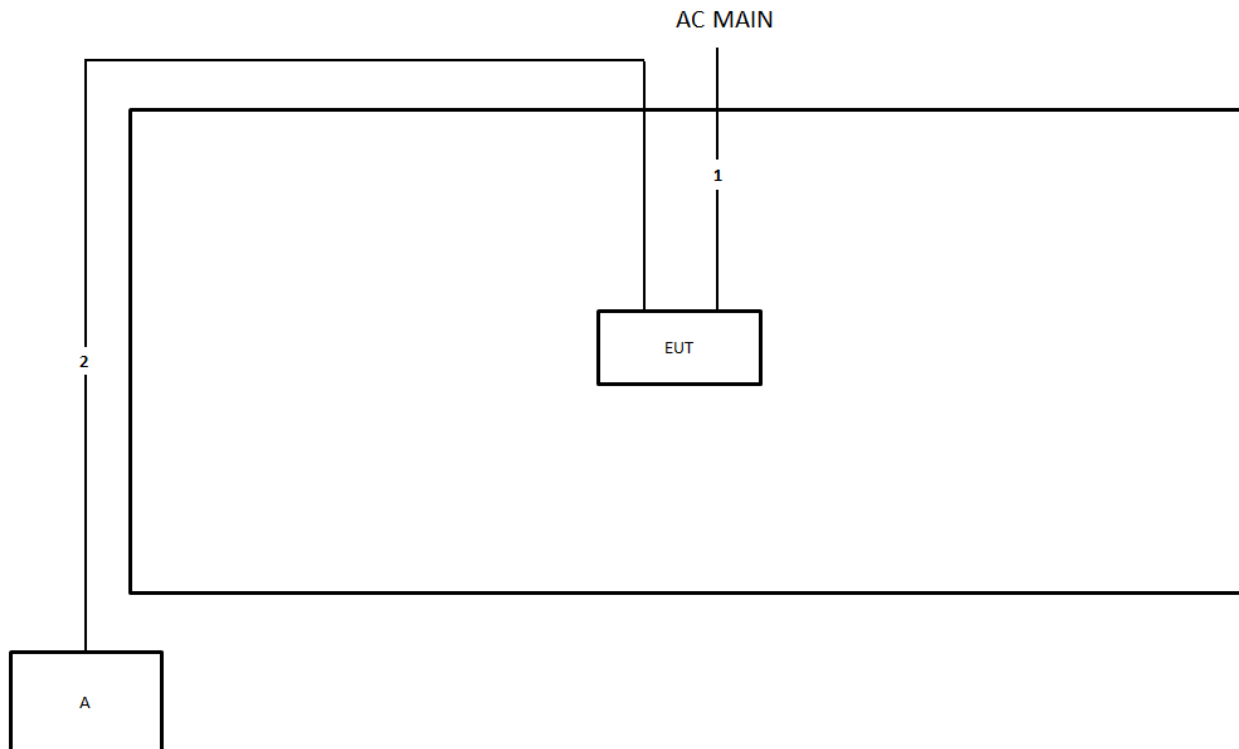
Item	Connection	Shielded	Length
1	Power cable	No	1m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	10m
5	Coaxial cable	Yes	10m
6	Coaxial cable	Yes	1m
7	Coaxial cable	Yes	1m
8	Coaxial cable	Yes	1m
9	Coaxial cable	Yes	1m
10	Coaxial cable	Yes	1m
11	Coaxial cable	Yes	1m
12	RJ-45 cable	No	1.5m
13	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test < 1GHz / For EUT 1


Item	Connection	Shielded	Length
1	Power cable	No	1m
2	RJ-11 cable	No	1.5m
3	RJ-11 cable	No	1.5m
4	RJ-45 cable	No	10m
5	RJ-45 cable	No	1.5m
6	RJ-45 cable	No	10m
7	Coaxial cable	Yes	10m
8	Coaxial cable	Yes	4.2m

For EUT 2


Item	Connection	Shielded	Length
1	Power cable	No	1m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.5m
4	RJ-45 cable	No	10m
5	Coaxial cable	Yes	10m
6	Coaxial cable	Yes	1m
7	Coaxial cable	Yes	1m
8	Coaxial cable	Yes	1m
9	Coaxial cable	Yes	1m
10	Coaxial cable	Yes	1m
11	Coaxial cable	Yes	1m
12	RJ-45 cable	No	1.5m
13	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz / For EUT 1


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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

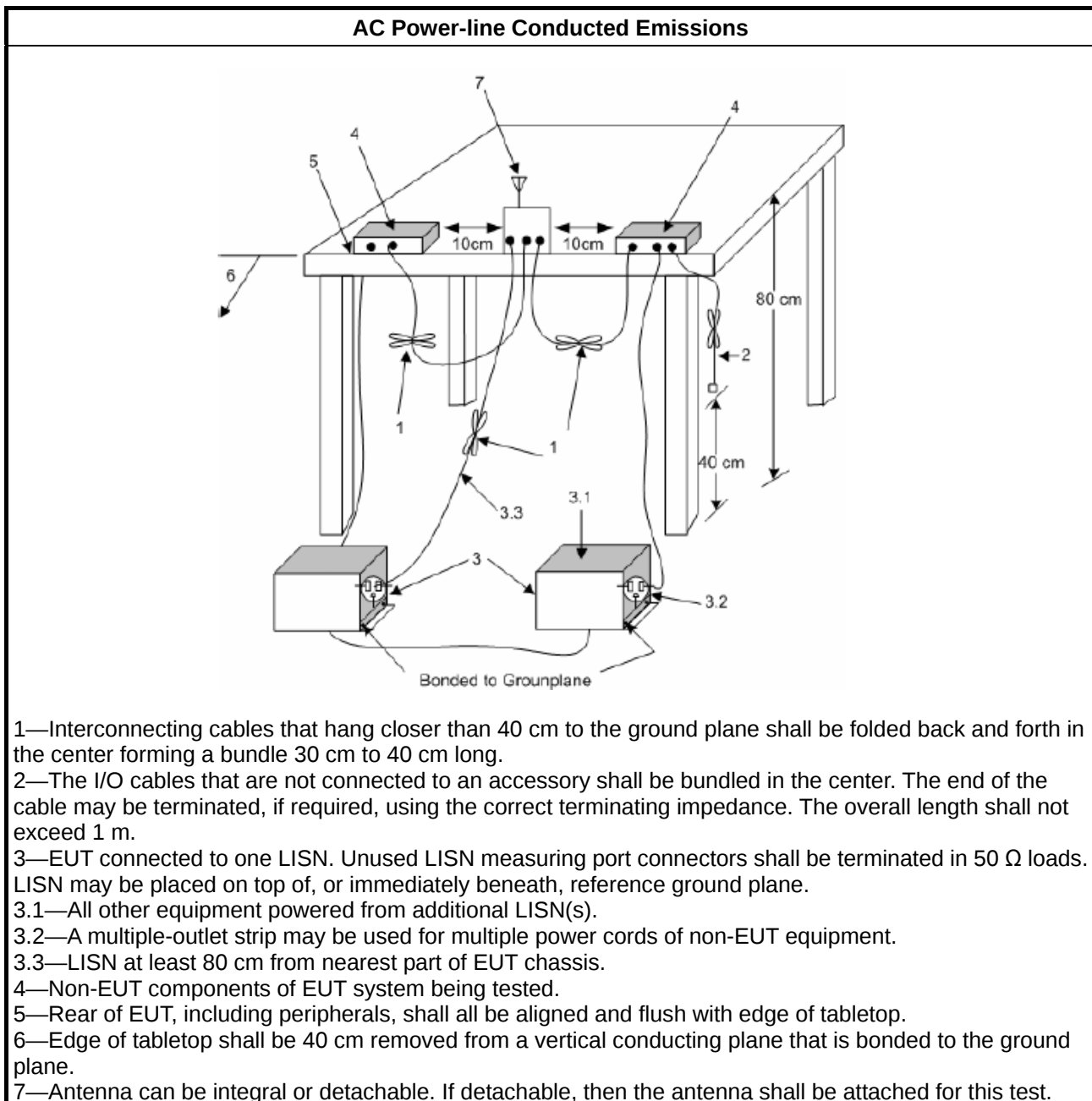
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit	
Systems using digital modulation techniques:	
▪	6 dB bandwidth $\geq$ 500 kHz.

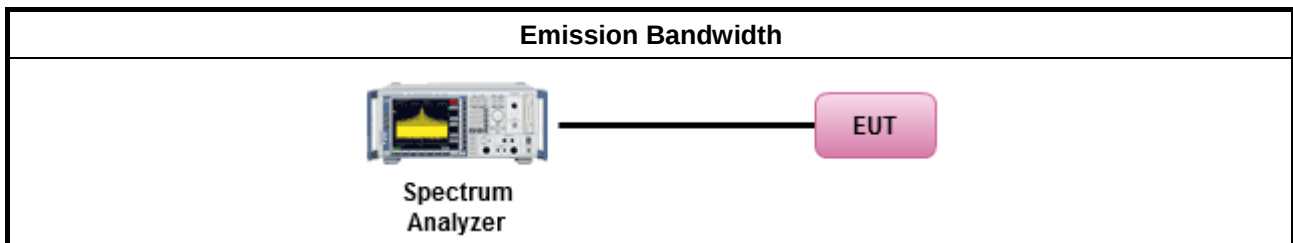
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪ 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



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.	

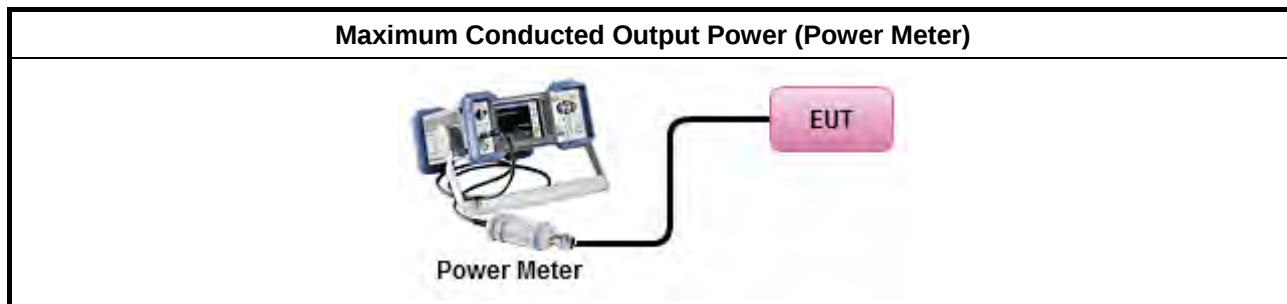
3.3.2 Measuring Instruments

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: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

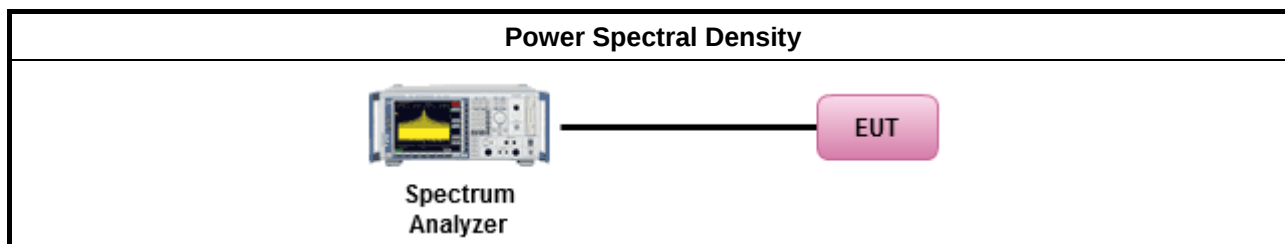
3.4.2 Measuring Instruments

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



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.	

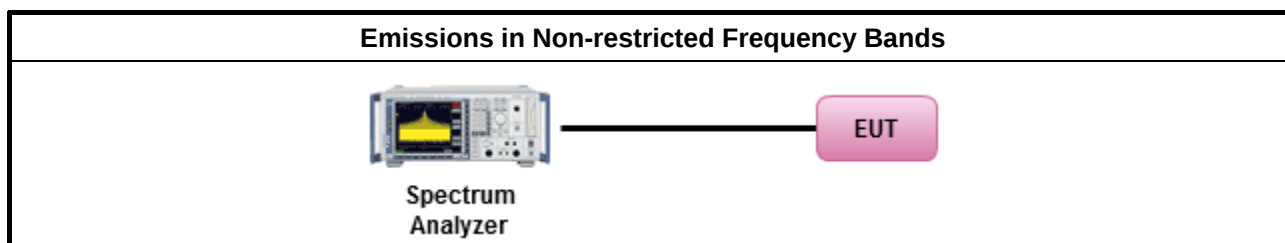
3.5.2 Measuring Instruments

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



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

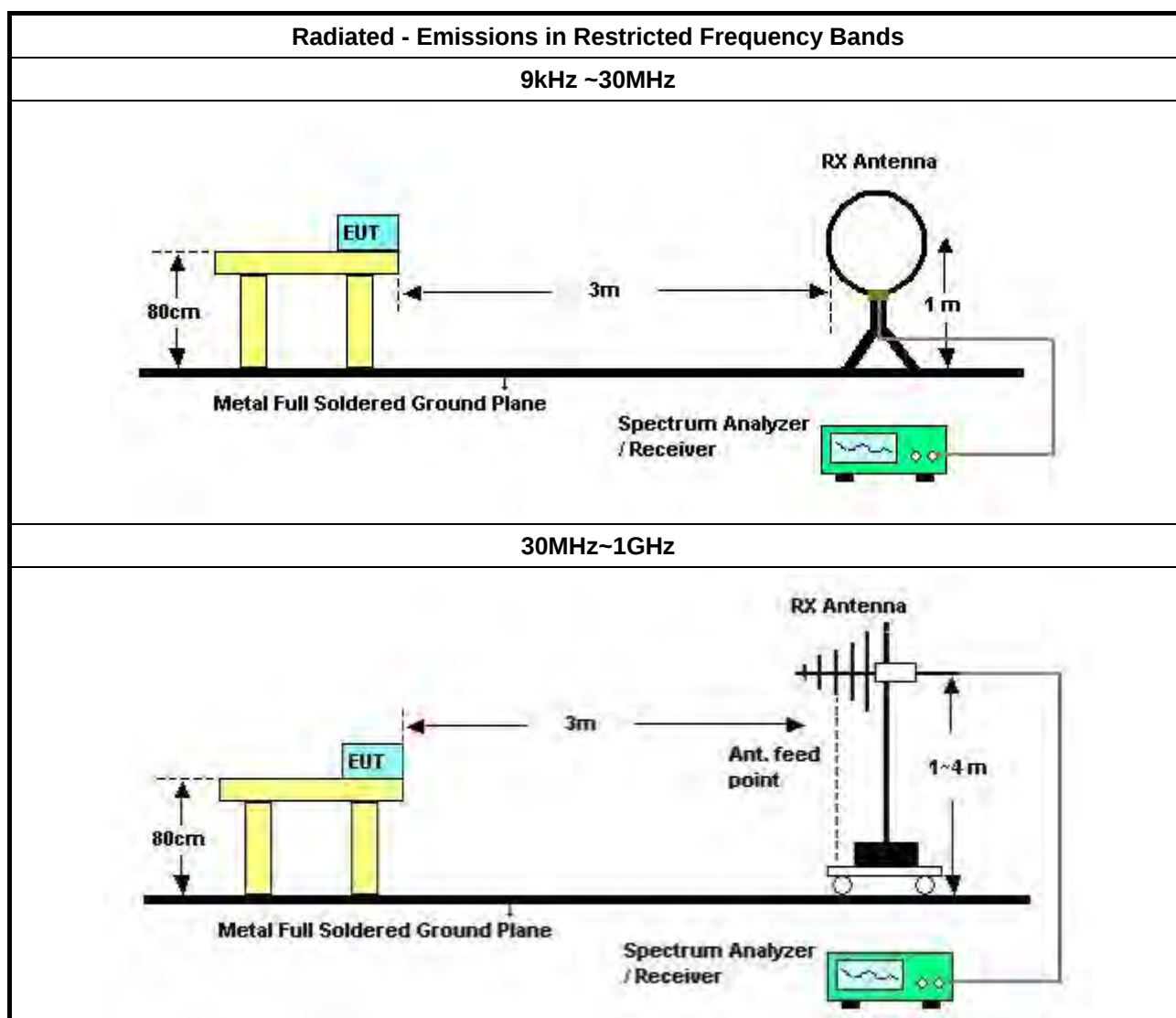
Refer a test equipment and calibration data table in this test report.

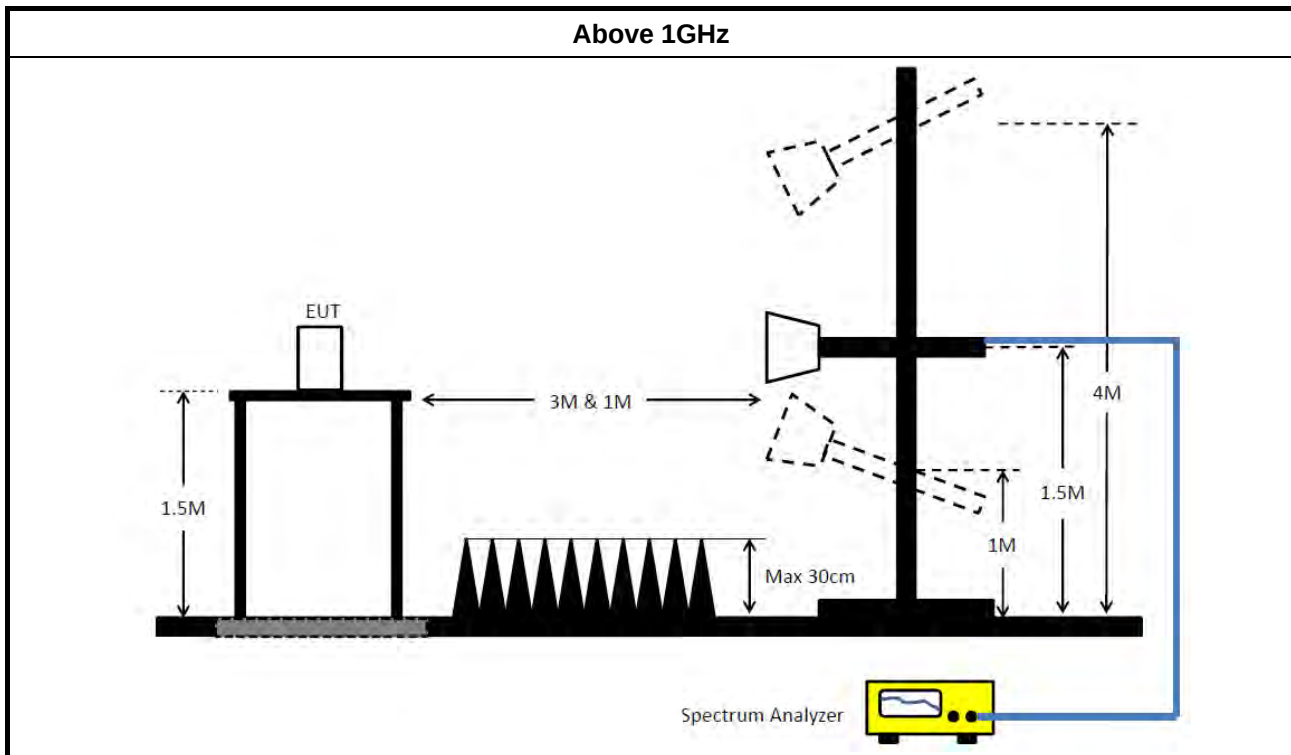


3.6.3 Test Procedures

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 $\geq 98\%$).
☐	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 $\geq 1/T$).
☐	Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq 1/T$, 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





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	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 12, 2022	Apr. 11, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 10, 2022	Feb. 09, 2023	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 19, 2021	May 18, 2022	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 18, 2022	Mar. 17, 2023	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 09, 2021	Aug. 08, 2022	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 07, 2021	Nov. 06, 2022	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 25, 2022	Mar. 24, 2023	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Oct. 14, 2021	Oct. 13, 2022	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 27, 2021	Apr. 26, 2022	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz ~ 26.5GHz	Jul. 02, 2021	Jul. 01, 2022	Radiation (03CH05-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Mar. 14, 2022	Mar. 13, 2023	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 21, 2021	Jun. 20, 2022	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	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	03CH04-CB	1GHz ~18GHz 3m	Feb. 24, 2022	Feb. 23, 2023	Radiation (03CH04-CB)
Horn Antenna	ETS • Lindgren	3115	00143147	750MHz~18GHz	Oct. 25, 2021	Oct. 24, 2022	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz~26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 28, 2022	Mar. 27, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 02, 2021	Aug. 01, 2022	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 25, 2021	Oct. 24, 2022	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 25, 2021	Oct. 24, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)

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Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	SWI-02-P1	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P2	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P3	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P4	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P5	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

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

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



Conducted Emissions at Powerline_For EUT 1

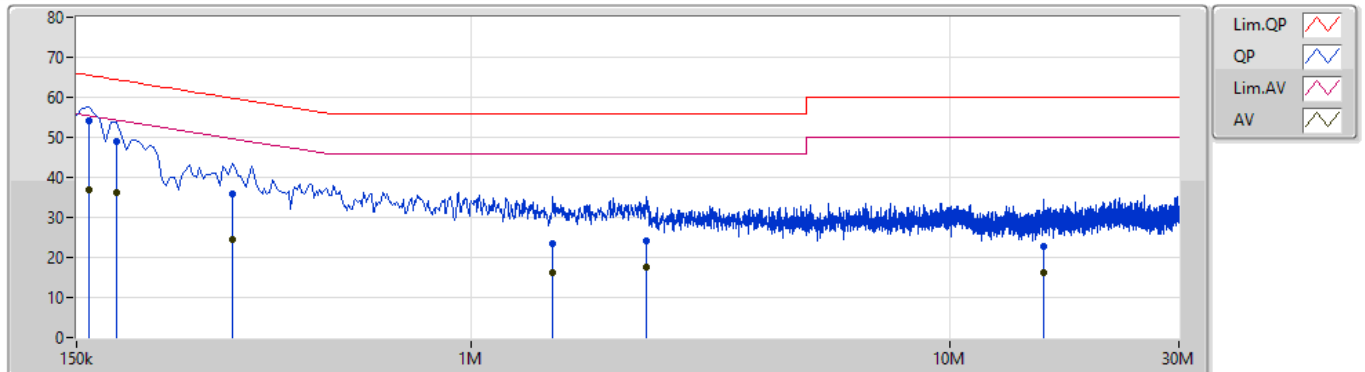
Appendix A.1

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	154.5k	55.21	65.75	-10.54	Neutral

Mode 1

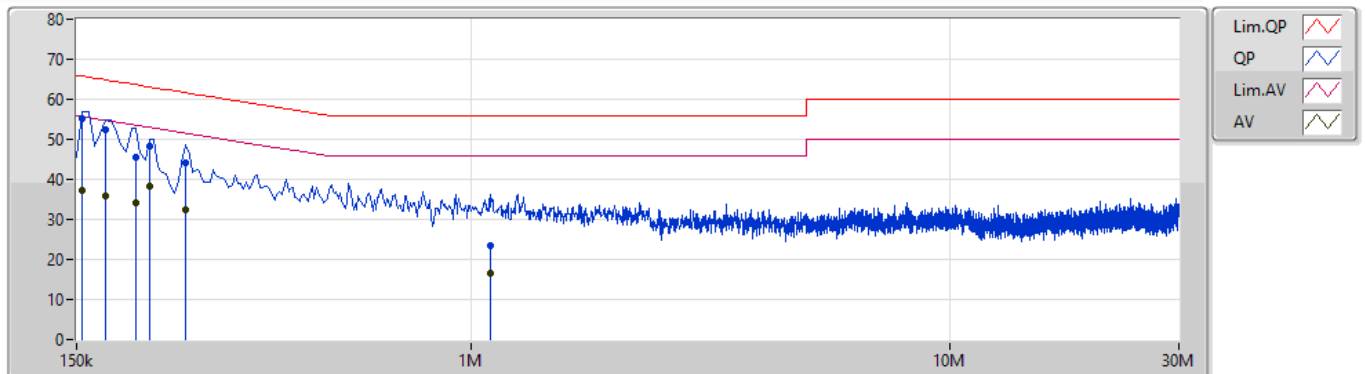
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Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	159k	54.18	65.52	-11.34	9.97	Line	"Worst"	44.21	0.06	0.02	9.89			
AV	159k	37.04	55.52	-18.48	9.97	Line	-	27.07	0.06	0.02	9.89			
QP	181.5k	49.00	64.41	-15.41	9.97	Line	-	39.03	0.06	0.02	9.89			
AV	181.5k	36.23	54.41	-18.18	9.97	Line	-	26.26	0.06	0.02	9.89			
QP	316.5k	35.89	59.80	-23.91	9.97	Line	-	25.92	0.06	0.02	9.89			
AV	316.5k	24.56	49.80	-25.24	9.97	Line	-	14.59	0.06	0.02	9.89			
QP	1.482M	23.36	56.00	-32.64	10.01	Line	-	13.35	0.08	0.04	9.89			
AV	1.482M	16.10	46.00	-29.90	10.01	Line	-	6.09	0.08	0.04	9.89			
QP	2.324M	24.26	56.00	-31.74	10.04	Line	-	14.22	0.10	0.05	9.89			
AV	2.324M	17.46	46.00	-28.54	10.04	Line	-	7.42	0.10	0.05	9.89			
QP	15.644M	22.82	60.00	-37.18	10.32	Line	-	12.50	0.27	0.11	9.94			
AV	15.644M	16.27	50.00	-33.73	10.32	Line	-	5.95	0.27	0.11	9.94			

Mode 1

27/04/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	154.5k	55.21	65.75	-10.54	9.98	Neutral	"Worst"	45.23	0.07	0.02	9.89			
AV	154.5k	37.27	55.75	-18.48	9.98	Neutral	-	27.29	0.07	0.02	9.89			
QP	172.5k	52.41	64.83	-12.42	9.98	Neutral	-	42.43	0.07	0.02	9.89			
AV	172.5k	35.73	54.83	-19.10	9.98	Neutral	-	25.75	0.07	0.02	9.89			
QP	199.5k	45.68	63.63	-17.95	9.98	Neutral	-	35.70	0.07	0.02	9.89			
AV	199.5k	34.21	53.63	-19.42	9.98	Neutral	-	24.23	0.07	0.02	9.89			
QP	213k	48.37	63.09	-14.72	9.98	Neutral	-	38.39	0.07	0.02	9.89			
AV	213k	38.39	53.09	-14.70	9.98	Neutral	-	28.41	0.07	0.02	9.89			
QP	253.5k	44.00	61.64	-17.64	9.98	Neutral	-	34.02	0.07	0.02	9.89			
AV	253.5k	32.28	51.64	-19.36	9.98	Neutral	-	22.30	0.07	0.02	9.89			
QP	1.095M	23.50	56.00	-32.50	9.99	Neutral	-	13.51	0.08	0.02	9.89			
AV	1.095M	16.45	46.00	-29.55	9.99	Neutral	-	6.46	0.08	0.02	9.89			

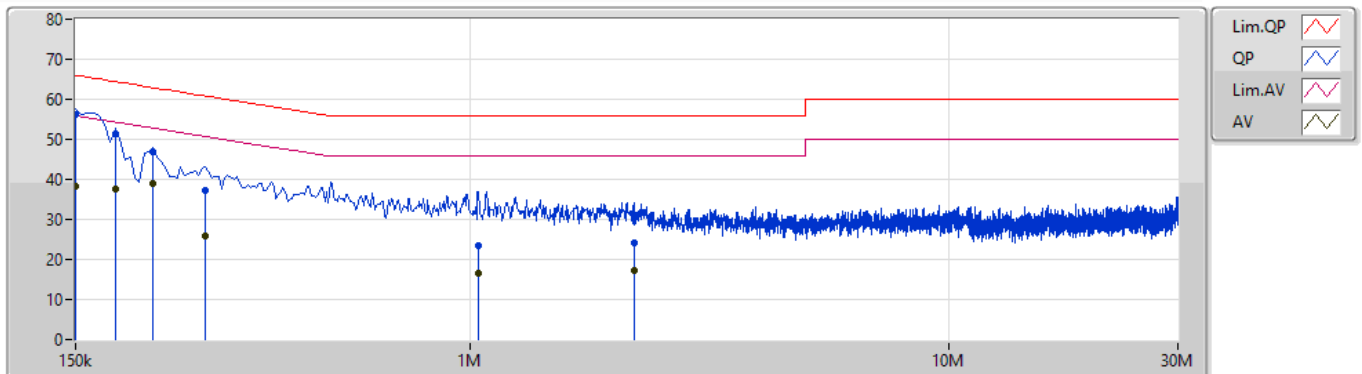


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	QP	150k	56.11	66.00	-9.89	Line

Mode 2

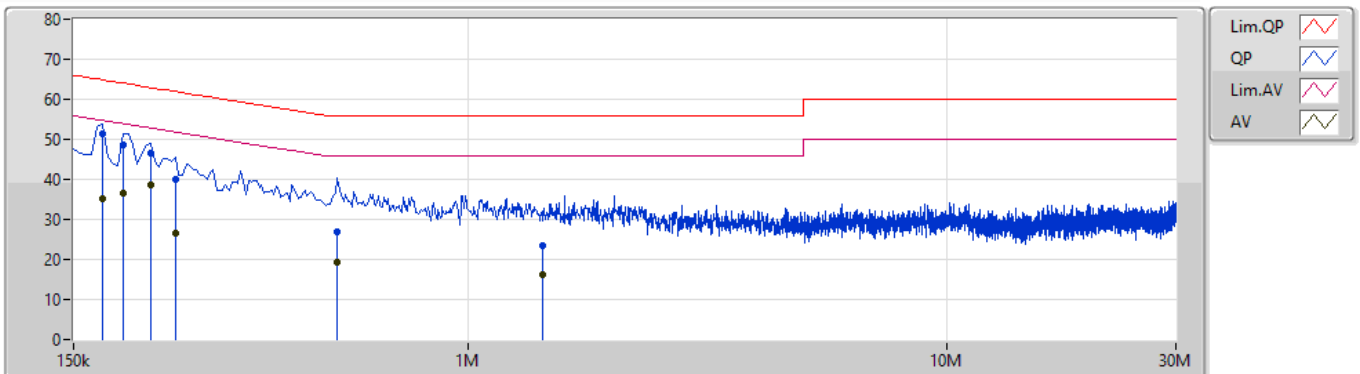
27/04/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	56.11	66.00	-9.89	9.97	Line	"Worst"	46.14	0.06	0.02	9.89			
AV	150k	38.40	56.00	-17.60	9.97	Line	-	28.43	0.06	0.02	9.89			
QP	181.5k	51.45	64.41	-12.96	9.97	Line	-	41.48	0.06	0.02	9.89			
AV	181.5k	37.68	54.41	-16.73	9.97	Line	-	27.71	0.06	0.02	9.89			
QP	217.5k	46.86	62.92	-16.06	9.97	Line	-	36.89	0.06	0.02	9.89			
AV	217.5k	38.82	52.92	-14.10	9.97	Line	-	28.85	0.06	0.02	9.89			
QP	280.5k	37.30	60.80	-23.50	9.97	Line	-	27.33	0.06	0.02	9.89			
AV	280.5k	25.77	50.80	-25.03	9.97	Line	-	15.80	0.06	0.02	9.89			
QP	1.041M	23.51	56.00	-32.49	9.98	Line	-	13.53	0.07	0.02	9.89			
AV	1.041M	16.56	46.00	-29.44	9.98	Line	-	6.58	0.07	0.02	9.89			
QP	2.193M	24.21	56.00	-31.79	10.03	Line	-	14.18	0.09	0.05	9.89			
AV	2.193M	17.18	46.00	-28.82	10.03	Line	-	7.15	0.09	0.05	9.89			

Mode 2

27/04/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	172.5k	51.28	64.83	-13.55	9.98	Neutral	"Worst"	41.30	0.07	0.02	9.89			
AV	172.5k	35.23	54.83	-19.60	9.98	Neutral	-	25.25	0.07	0.02	9.89			
QP	190.5k	48.70	64.01	-15.31	9.98	Neutral	-	38.72	0.07	0.02	9.89			
AV	190.5k	36.38	54.01	-17.63	9.98	Neutral	-	26.40	0.07	0.02	9.89			
QP	217.5k	46.72	62.92	-16.20	9.98	Neutral	-	36.74	0.07	0.02	9.89			
AV	217.5k	38.74	52.92	-14.18	9.98	Neutral	-	28.76	0.07	0.02	9.89			
QP	244.5k	40.07	61.95	-21.88	9.98	Neutral	-	30.09	0.07	0.02	9.89			
AV	244.5k	26.63	51.95	-25.32	9.98	Neutral	-	16.65	0.07	0.02	9.89			
QP	532.5k	26.75	56.00	-29.25	9.98	Neutral	-	16.77	0.07	0.02	9.89			
AV	532.5k	19.34	46.00	-26.66	9.98	Neutral	-	9.36	0.07	0.02	9.89			
QP	1.433M	23.60	56.00	-32.40	10.02	Neutral	-	13.58	0.09	0.04	9.89			
AV	1.433M	16.09	46.00	-29.91	10.02	Neutral	-	6.07	0.09	0.04	9.89			

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)_1TX	10M	16.442M	16M4G1D	8.05M	12.094M
802.11g_Nss1,(6Mbps)_4TX	16.575M	34.833M	34M8D1D	16.425M	16.942M
802.11ax HEW20_Nss1,(MCS0)_4TX	19.05M	36.357M	36M4D1D	17.775M	19.065M
802.11ax HEW40_Nss1,(MCS0)_4TX	38.1M	38.381M	38M4D1D	37.8M	38.081M

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

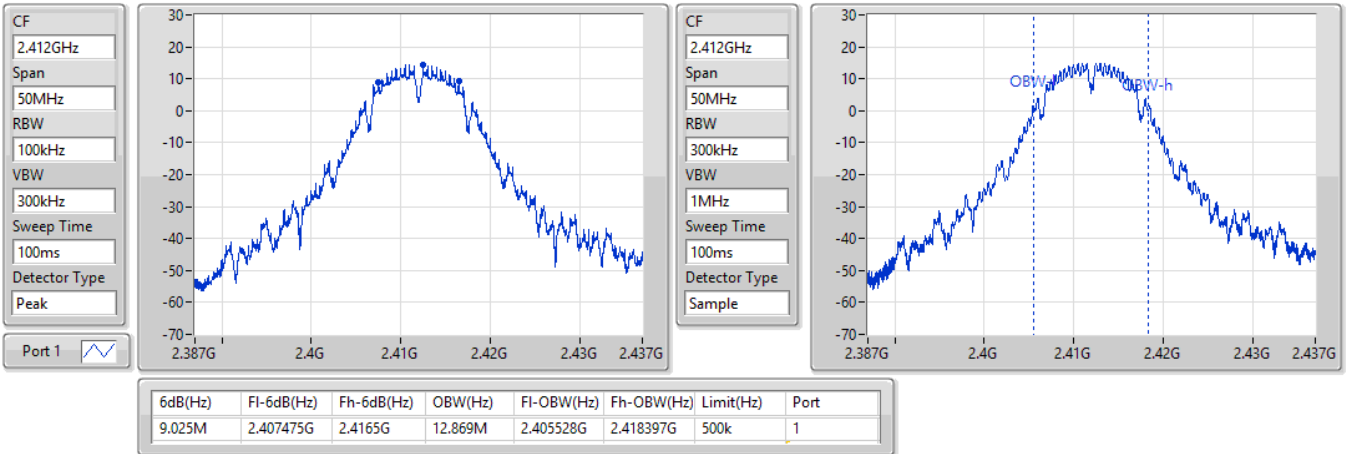
Result

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)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	9.025M	12.869M						
2417MHz										
2437MHz	Pass	500k	10M	16.442M						
2457MHz										
2462MHz	Pass	500k	8.05M	12.094M						
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.575M	16.992M	16.55M	16.942M	16.575M	16.942M	16.575M	16.942M
2417MHz										
2437MHz	Pass	500k	16.525M	33.758M	16.425M	34.833M	16.55M	33.458M	16.45M	33.783M
2457MHz										
2462MHz	Pass	500k	16.575M	16.967M	16.55M	17.016M	16.575M	16.942M	16.55M	16.967M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	19M	19.165M	19.05M	19.115M	18.975M	19.115M	19.05M	19.115M
2417MHz										
2437MHz	Pass	500k	18.1M	35.507M	17.775M	36.357M	18.75M	34.583M	18.9M	35.307M
2457MHz										
2462MHz	Pass	500k	18.975M	19.065M	18.9M	19.065M	18.95M	19.065M	18.85M	19.065M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.95M	38.081M	37.8M	38.181M	37.95M	38.131M	37.85M	38.181M
2427MHz										
2437MHz	Pass	500k	37.95M	38.381M	37.95M	38.281M	37.9M	38.331M	37.95M	38.331M
2447MHz										
2452MHz	Pass	500k	37.95M	38.131M	38.1M	38.181M	38.1M	38.231M	38.1M	38.281M

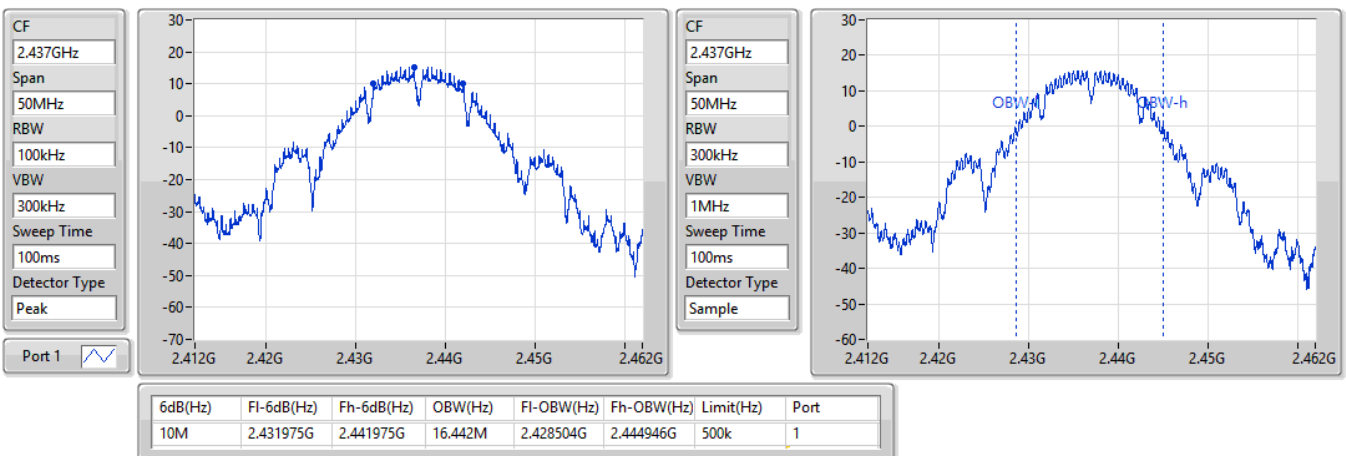
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_1TX
EBW
2412MHz

15/04/2022


802.11b_Nss1,(1Mbps)_1TX
EBW
2437MHz

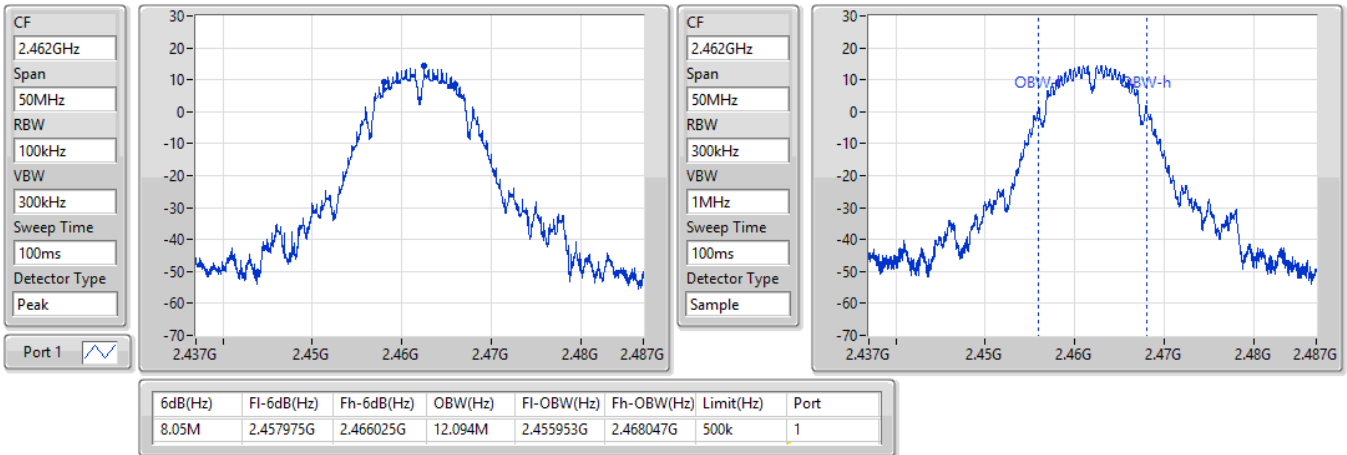
23/05/2022



802.11b_Nss1,(1Mbps)_1TX

EBW
2462MHz

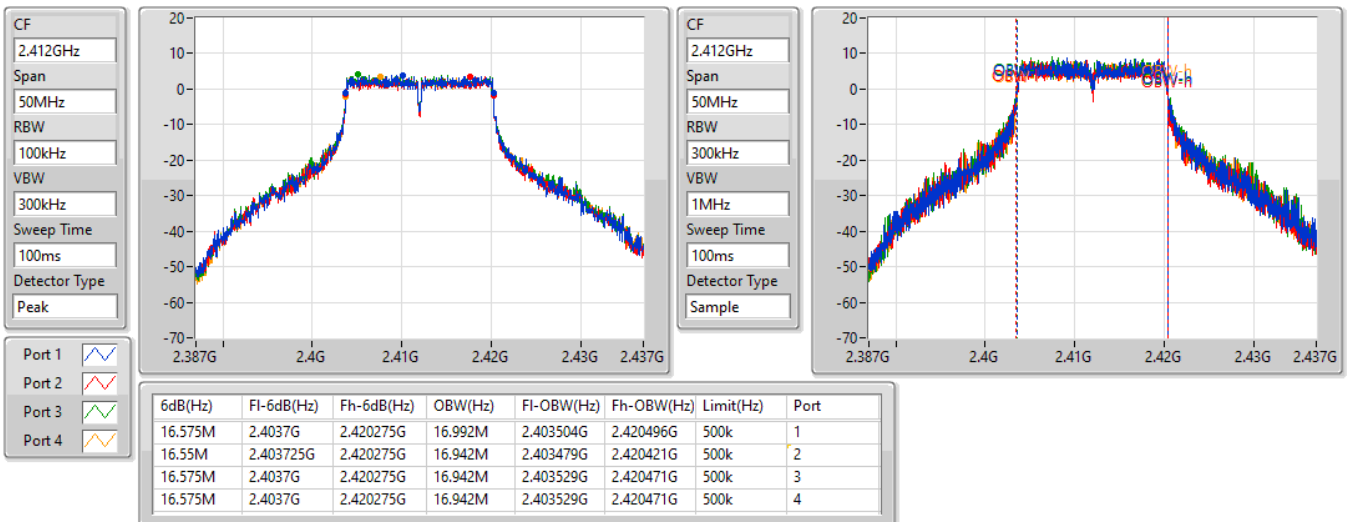
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802.11g_Nss1,(6Mbps)_4TX

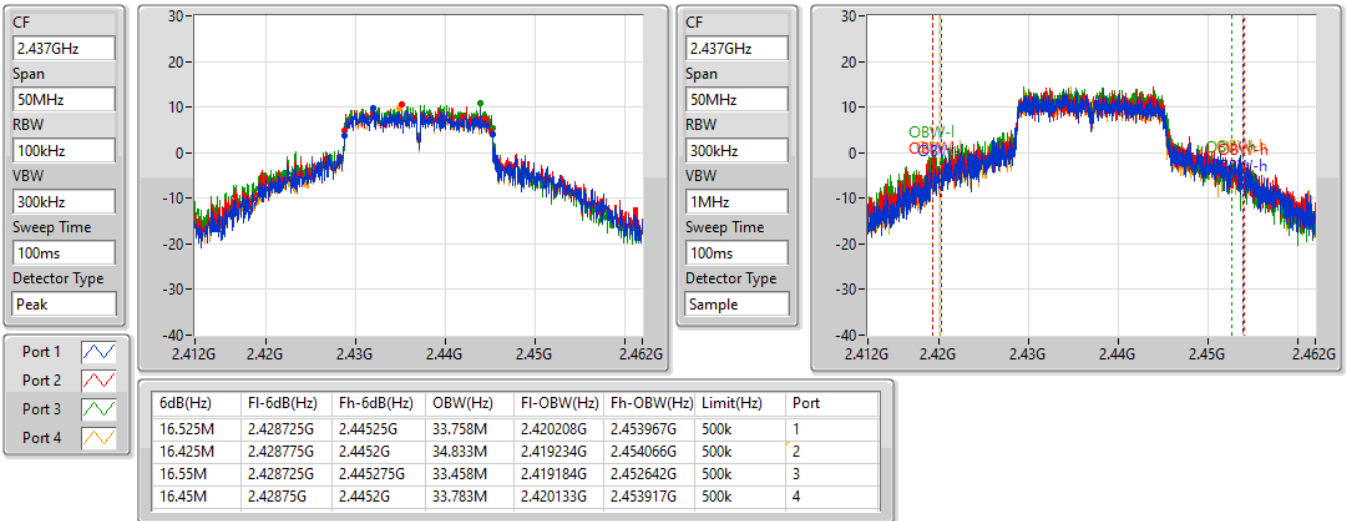
EBW
2412MHz

30/05/2022

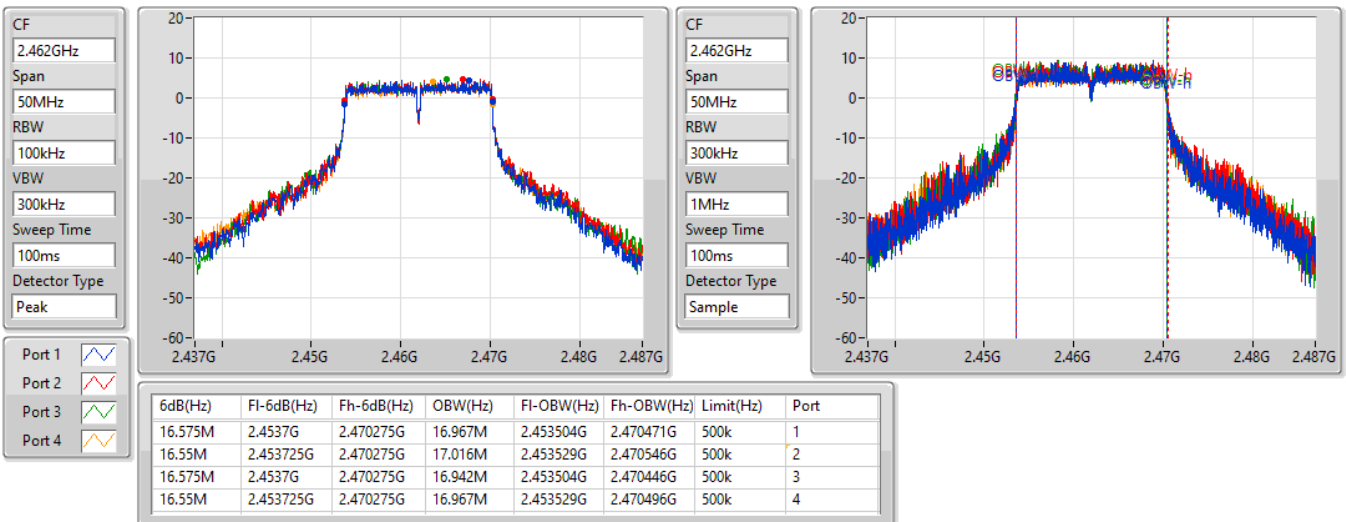


802.11g_Nss1,(6Mbps)_4TX
EBW
2437MHz

30/05/2022

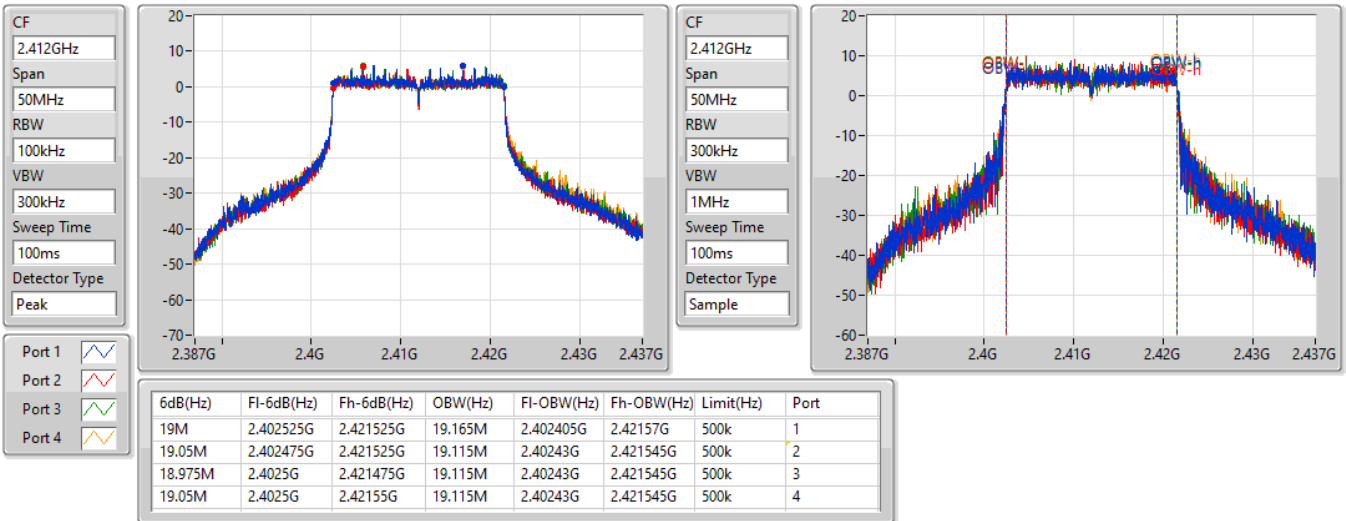

802.11g_Nss1,(6Mbps)_4TX
EBW
2462MHz

30/05/2022

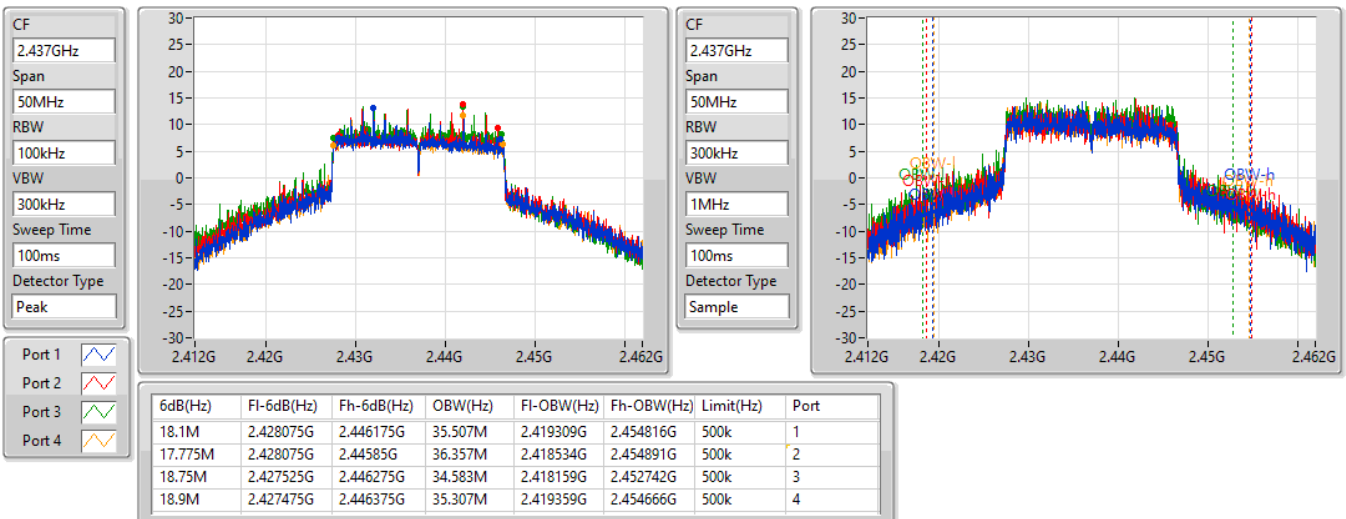


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
2412MHz

30/05/2022

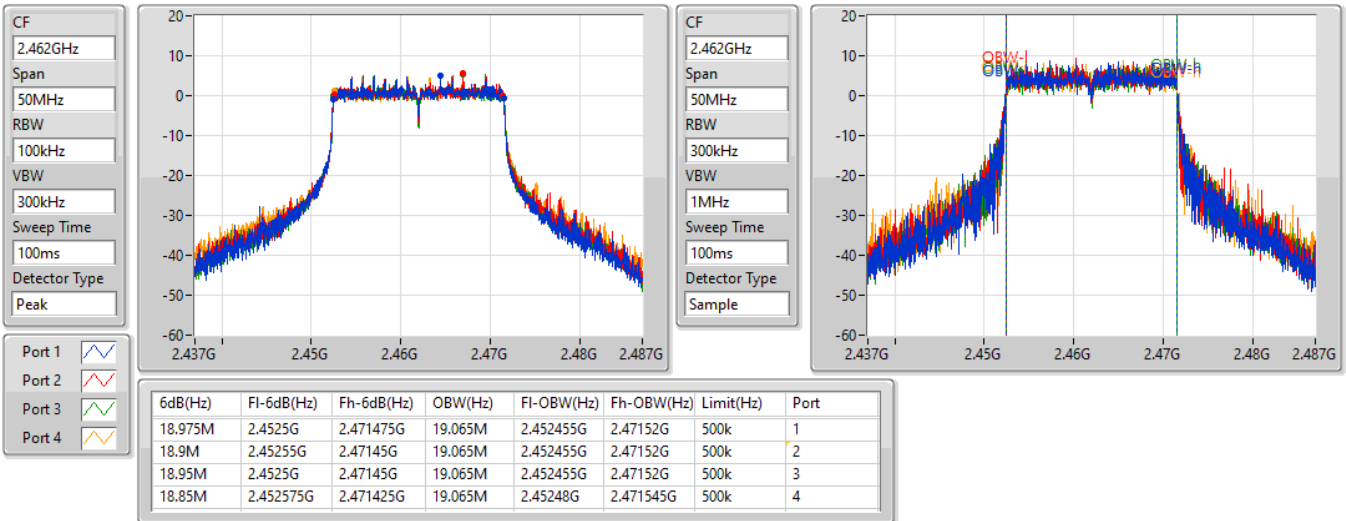

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
2437MHz

30/05/2022

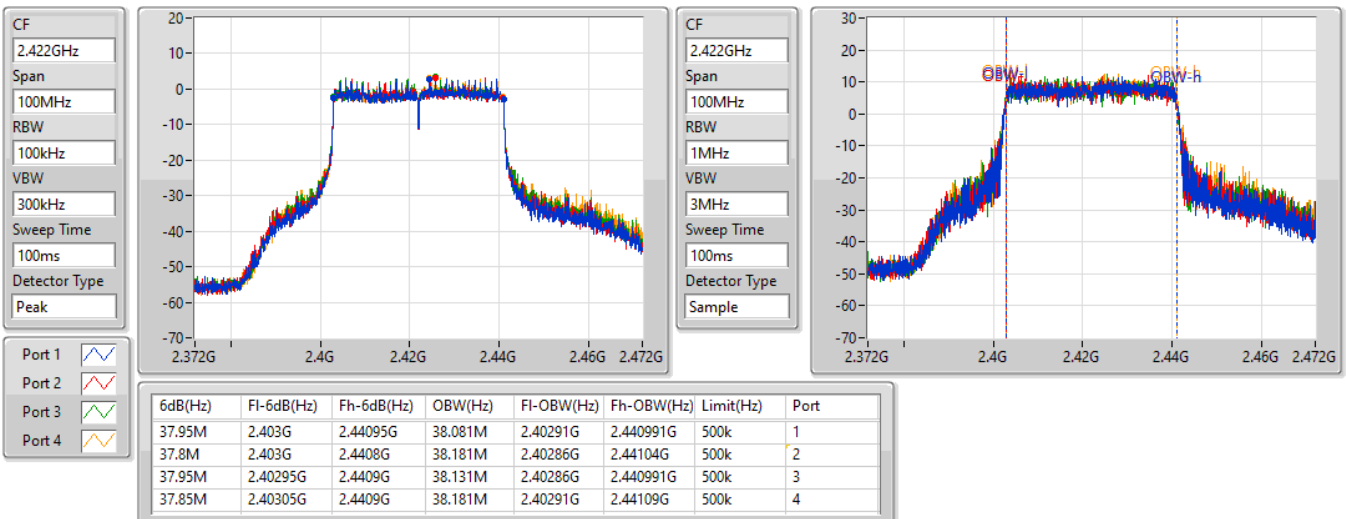


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
2462MHz

30/05/2022

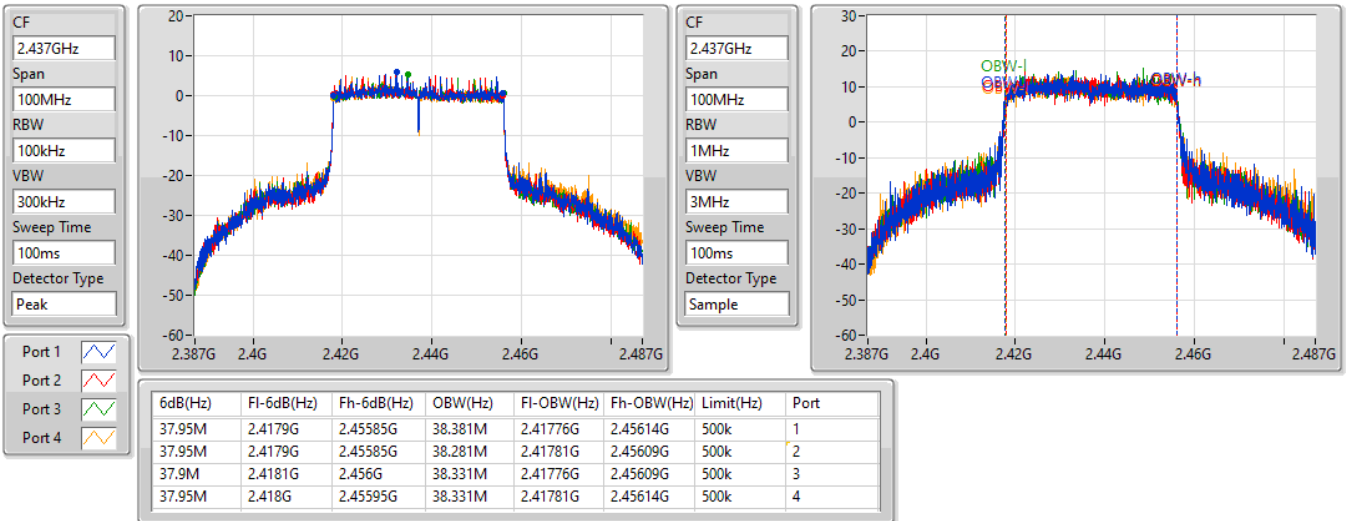

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
2422MHz

30/05/2022

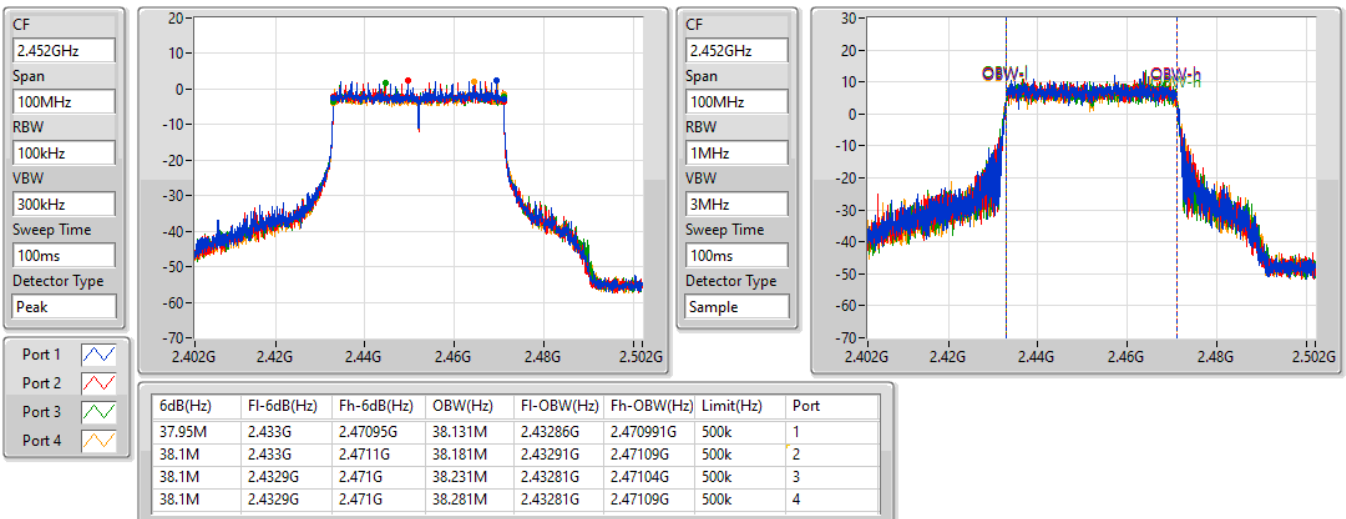


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
2437MHz

30/05/2022


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
2452MHz

30/05/2022





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	25.20	0.33113
802.11g_Nss1,(6Mbps)_4TX	29.31	0.85310
802.11ax HEW20_Nss1,(MCS0)_4TX	29.24	0.83946
802.11ax HEW40_Nss1,(MCS0)_4TX	25.84	0.38371
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.24	0.83946
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	25.84	0.38371

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)_1TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.51	23.32				23.32	30.00
2417MHz	Pass	4.51	23.42				23.42	30.00
2437MHz	Pass	4.51	25.2				25.20	30.00
2457MHz	Pass	4.51	22.65				22.65	30.00
2462MHz	Pass	4.51	22.53				22.53	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.51	18.37	18.06	18.56	18.24	24.33	30.00
2417MHz	Pass	4.51	20.8	20.11	20.59	19.71	26.34	30.00
2437MHz	Pass	4.51	22.9	23.08	24.21	22.8	29.31	30.00
2457MHz	Pass	4.51	18.41	18.46	18.62	18.16	24.44	30.00
2462MHz	Pass	4.51	18.63	18.86	18.95	18.52	24.76	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.51	17.71	17.54	17.68	17.64	23.66	30.00
2417MHz	Pass	4.51	20.22	19.98	20.04	19.44	25.95	30.00
2437MHz	Pass	4.51	22.88	22.98	24.16	22.69	29.24	30.00
2457MHz	Pass	4.51	18.77	18.8	18.8	18.53	24.75	30.00
2462MHz	Pass	4.51	17.07	17.16	17.02	17.02	23.09	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	4.51	17.47	17.83	18.06	18.22	23.92	30.00
2427MHz	Pass	4.51	18.46	18.13	18.61	18.41	24.43	30.00
2437MHz	Pass	4.51	19.89	19.68	19.91	19.81	25.84	30.00
2447MHz	Pass	4.51	17.51	17.21	17.27	16.98	23.27	30.00
2452MHz	Pass	4.51	17.22	17.14	16.93	16.71	23.03	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.71	17.71	17.54	17.68	17.64	23.66	30.00
2417MHz	Pass	5.71	20.22	19.98	20.04	19.44	25.95	30.00
2437MHz	Pass	5.71	22.88	22.98	24.16	22.69	29.24	30.00
2457MHz	Pass	5.71	18.77	18.8	18.8	18.53	24.75	30.00
2462MHz	Pass	5.71	17.07	17.16	17.02	17.02	23.09	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.71	17.47	17.83	18.06	18.22	23.92	30.00
2427MHz	Pass	5.71	18.46	18.13	18.61	18.41	24.43	30.00
2437MHz	Pass	5.71	19.89	19.68	19.91	19.81	25.84	30.00
2447MHz	Pass	5.71	17.51	17.21	17.27	16.98	23.27	30.00
2452MHz	Pass	5.71	17.22	17.14	16.93	16.71	23.03	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	-0.20
802.11g_Nss1,(6Mbps)_4TX	0.51
802.11ax HEW20_Nss1,(MCS0)_4TX	1.17
802.11ax HEW40_Nss1,(MCS0)_4TX	-4.51

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)_1TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.71	-1.05				-1.05	8.00
2417MHz								
2437MHz	Pass	5.71	-0.20				-0.20	8.00
2457MHz								
2462MHz	Pass	5.71	-0.24				-0.24	8.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.71	-11.16	-11.34	-10.50	-10.92	-5.01	8.00
2417MHz								
2437MHz	Pass	5.71	-5.48	-5.17	-4.27	-5.86	0.51	8.00
2457MHz								
2462MHz	Pass	5.71	-10.52	-10.39	-10.24	-10.27	-4.58	8.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.71	-8.66	-9.54	-8.89	-8.85	-3.04	8.00
2417MHz								
2437MHz	Pass	5.71	-4.66	-3.95	-3.15	-4.14	1.17	8.00
2457MHz								
2462MHz	Pass	5.71	-10.16	-10.20	-10.67	-9.99	-5.22	8.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.71	-11.55	-11.34	-11.66	-10.62	-6.09	8.00
2427MHz								
2437MHz	Pass	5.71	-10.51	-9.20	-9.59	-10.02	-4.51	8.00
2447MHz								
2452MHz	Pass	5.71	-11.89	-11.35	-11.40	-13.02	-7.04	8.00

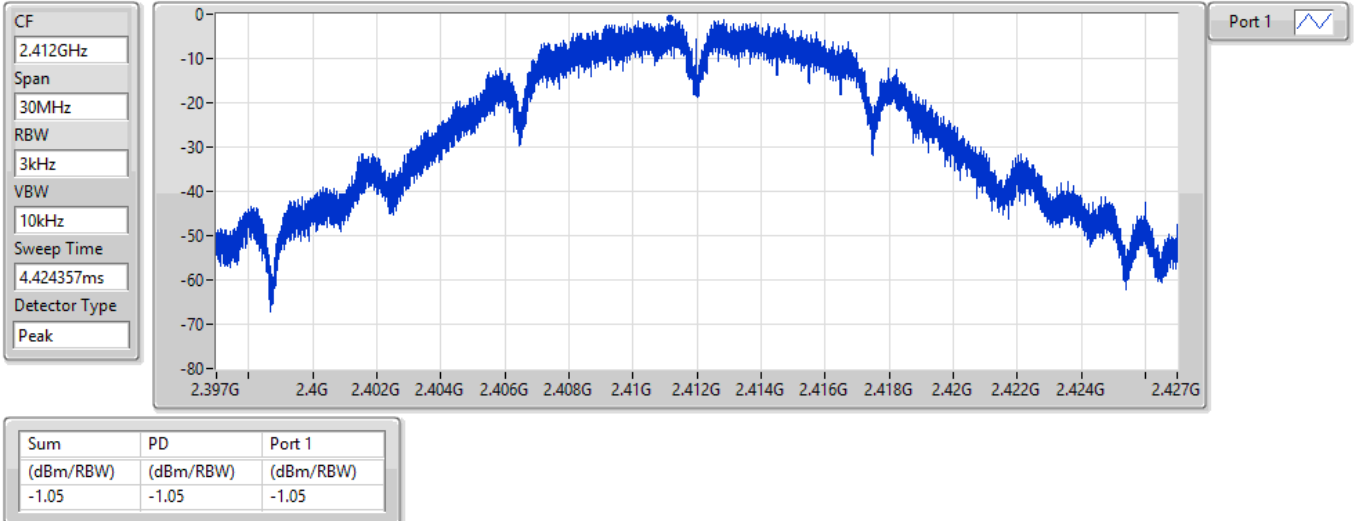
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11b_Nss1,(1Mbps)_1TX

PSD

2412MHz

15/04/2022

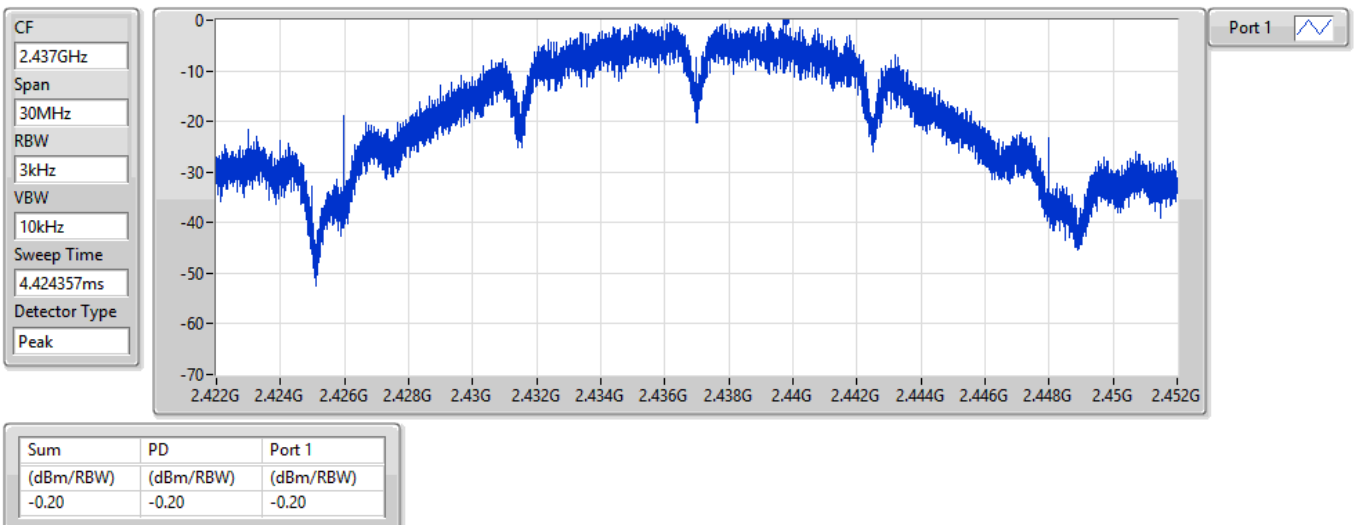


802.11b_Nss1,(1Mbps)_1TX

PSD

2437MHz

23/05/2022

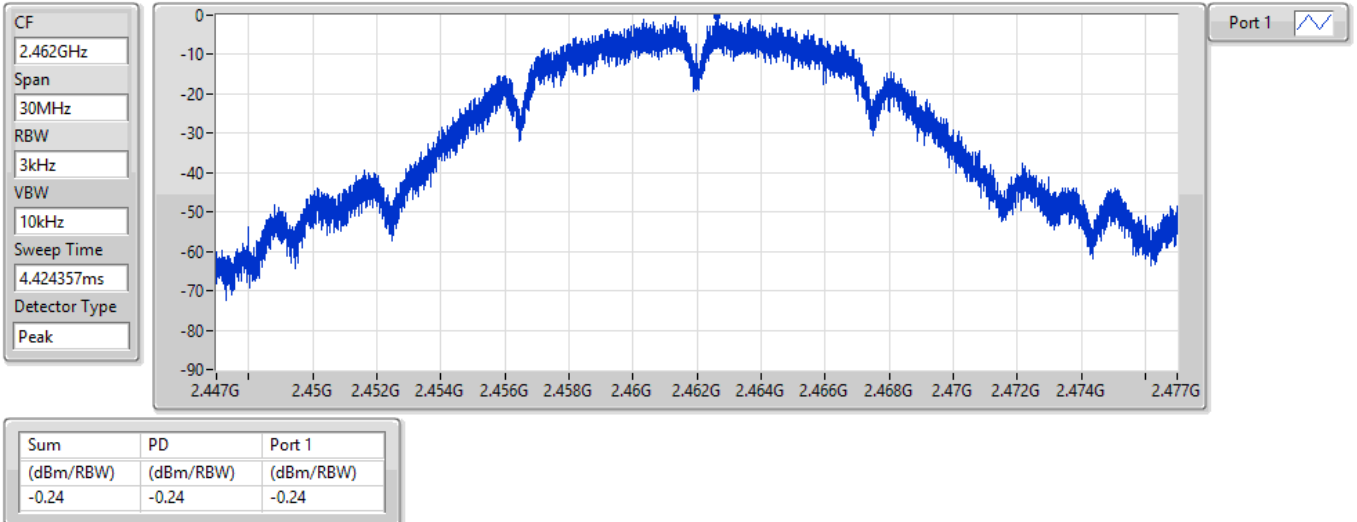


802.11b_Nss1,(1Mbps)_1TX

PSD

2462MHz

15/04/2022

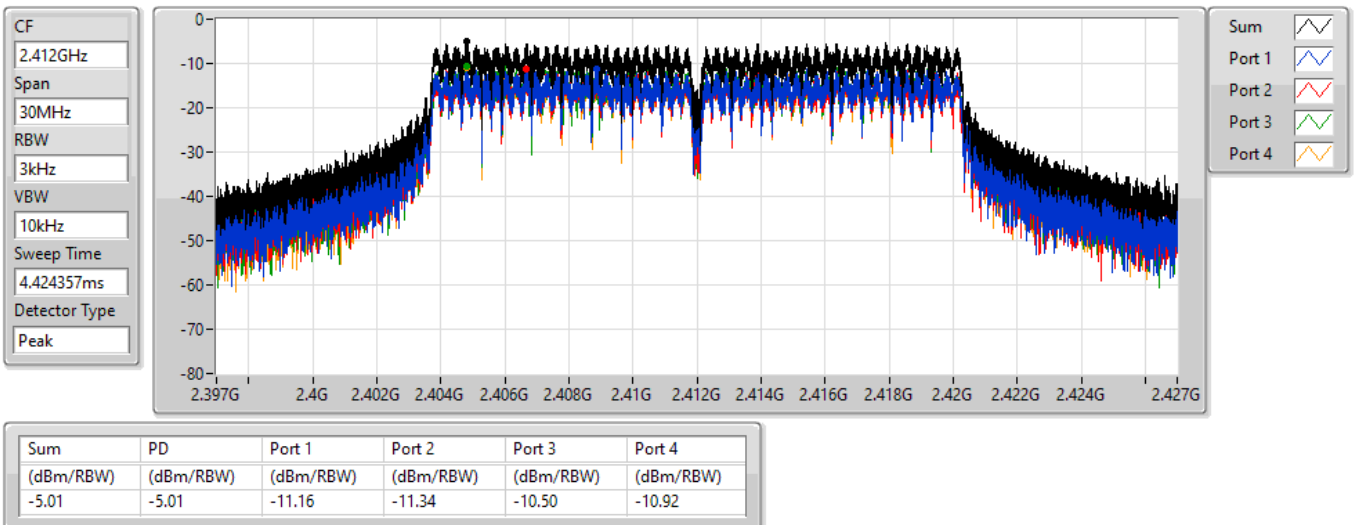


802.11g_Nss1,(6Mbps)_4TX

PSD

2412MHz

30/05/2022

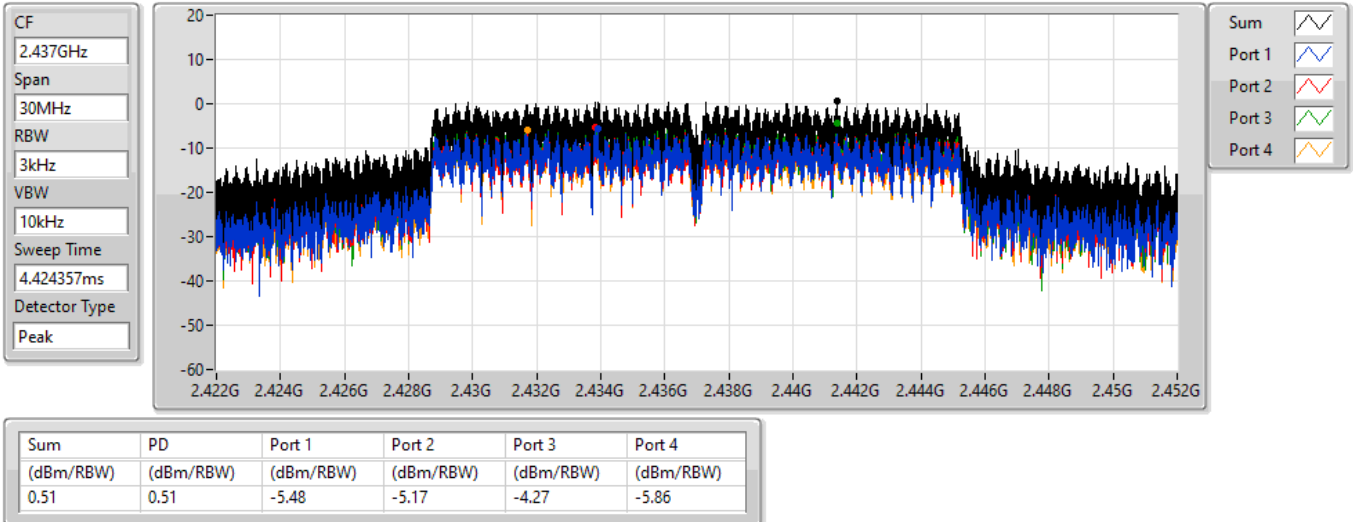


802.11g_Nss1,(6Mbps)_4TX

2437MHz

PSD

30/05/2022

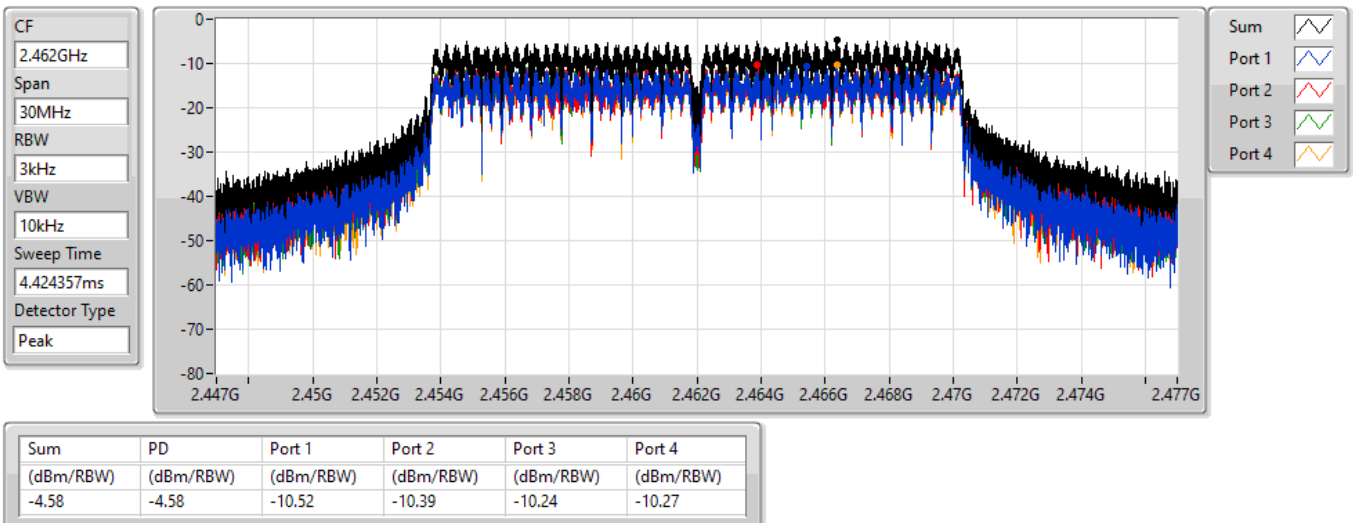


802.11g_Nss1,(6Mbps)_4TX

2462MHz

PSD

30/05/2022

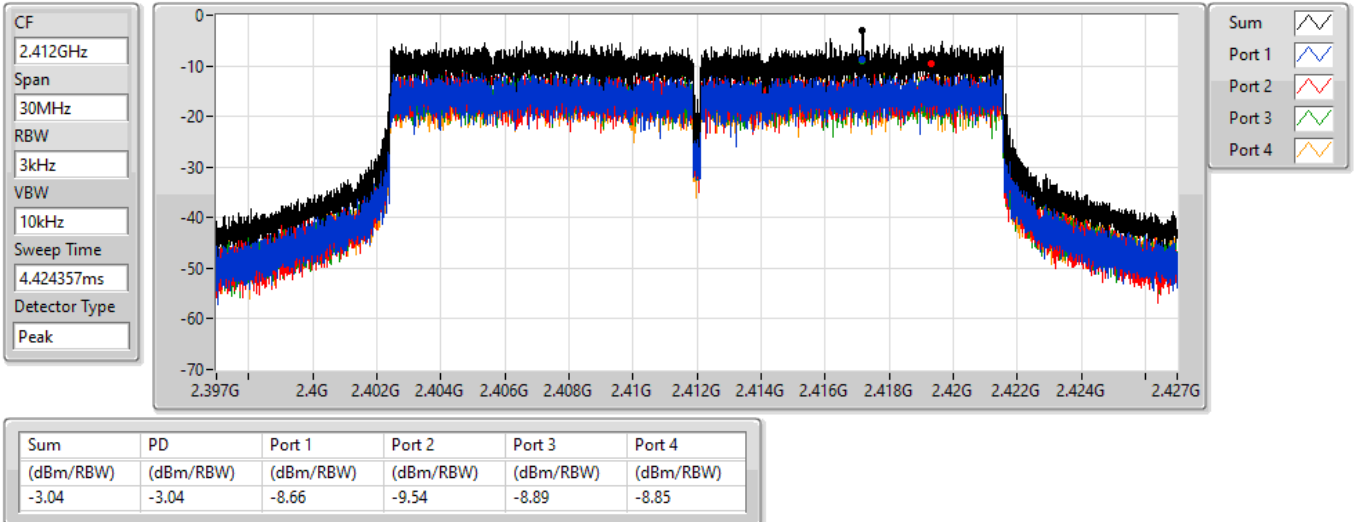


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2412MHz

30/05/2022

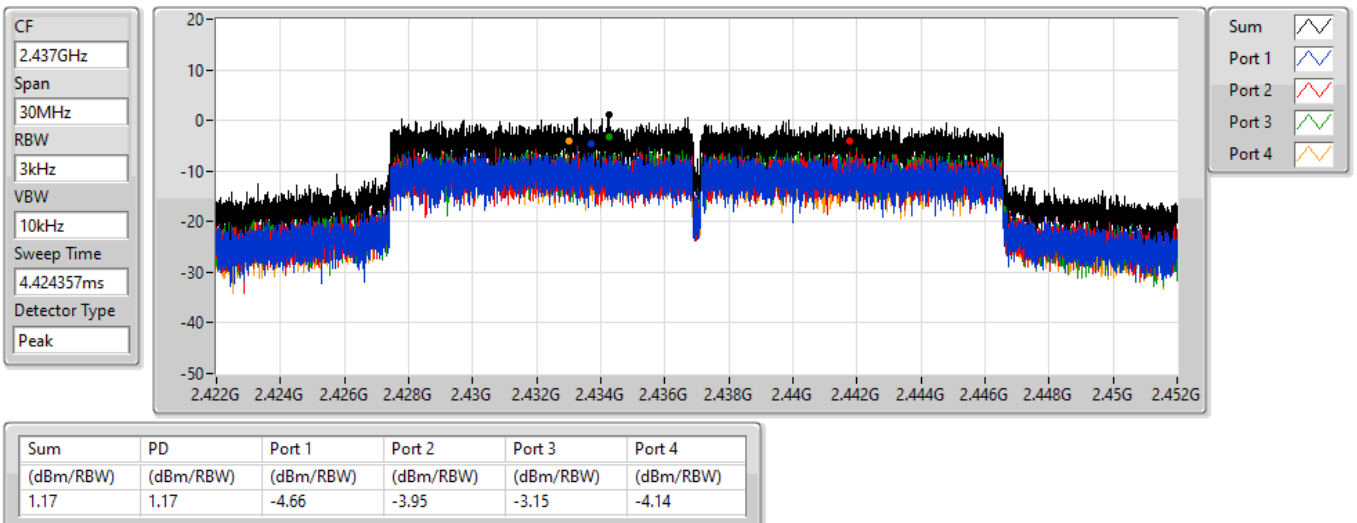


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2437MHz

30/05/2022

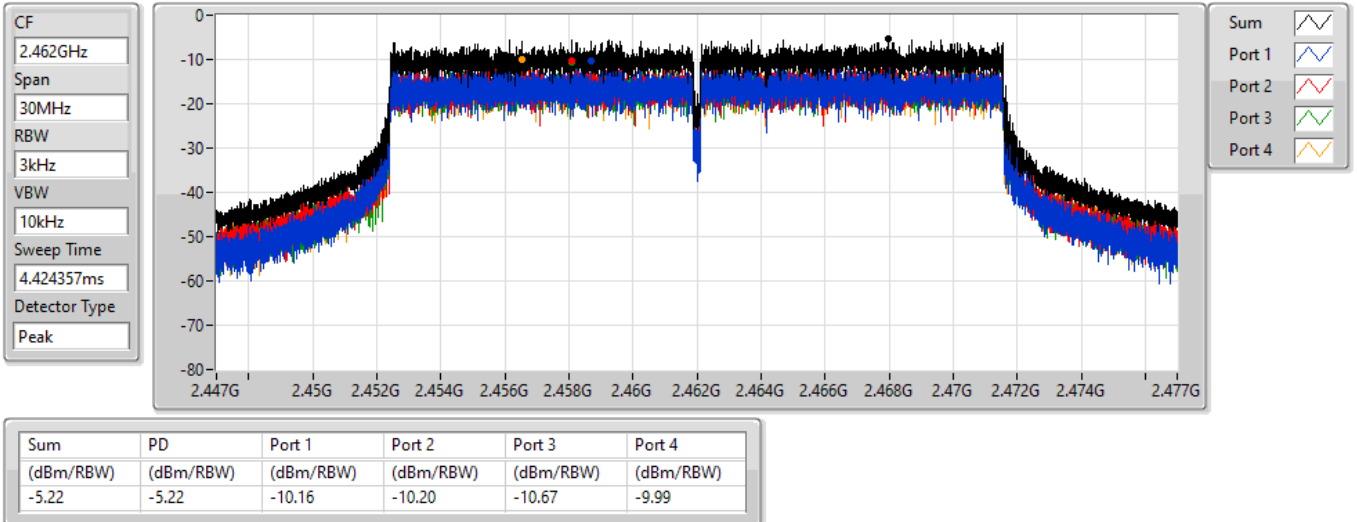


802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz

PSD

30/05/2022

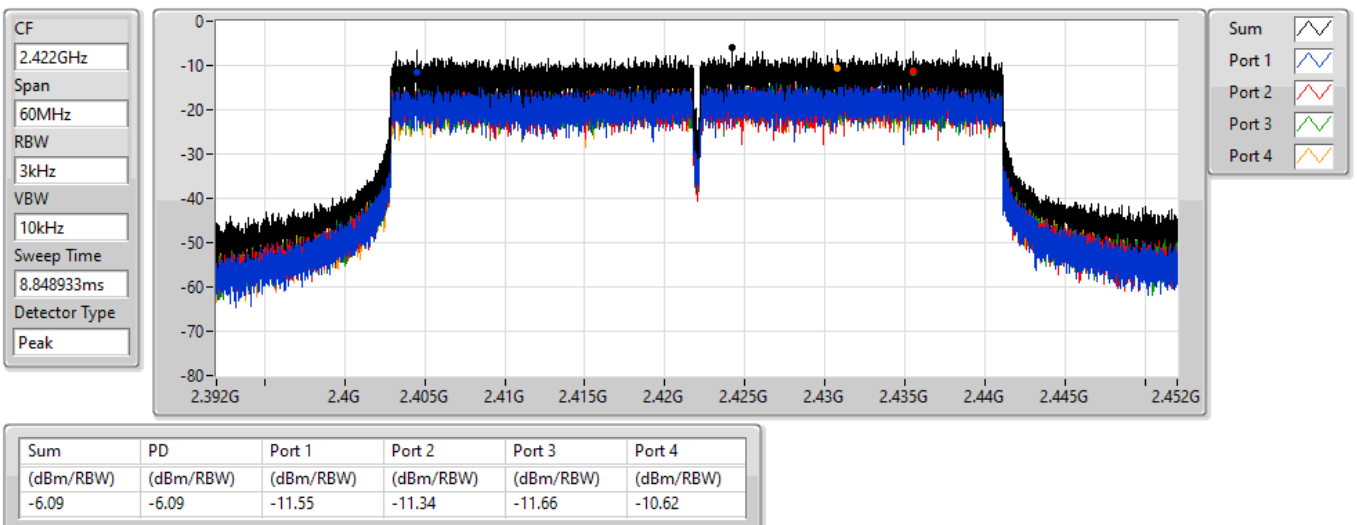


802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz

PSD

30/05/2022

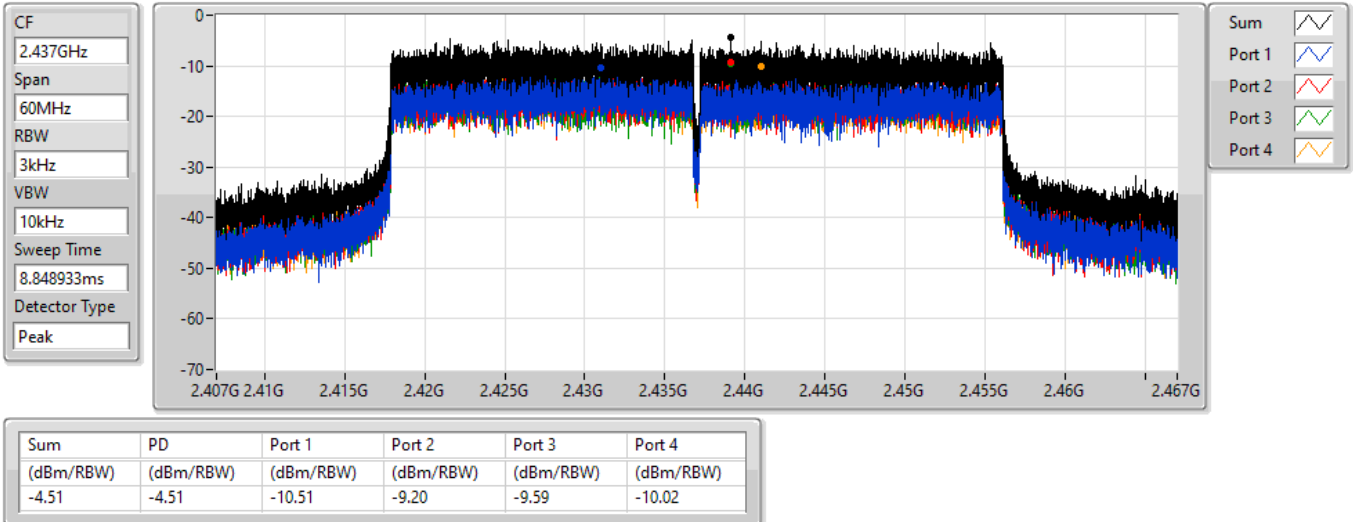


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2437MHz

30/05/2022

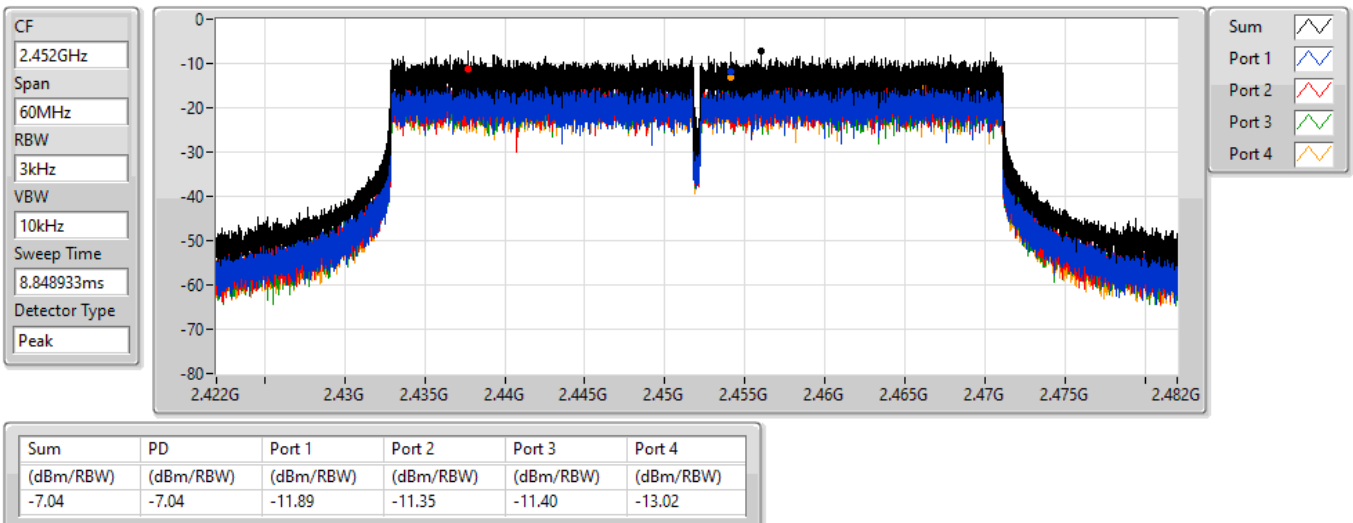


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2452MHz

30/05/2022



**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)_1TX	Pass	2.43599G	15.13	-14.87	2.14797G	-54.80	2.3995G	-25.44	2.4G	-26.07	2.48398G	-49.80	24.88762G	-46.11	1
802.11g_Nss1(6Mbps)_4TX	Pass	2.44388G	10.60	-19.40	927.92M	-54.02	2.39992G	-19.96	2.4G	-21.22	2.48534G	-51.87	6.91204G	-47.72	3
802.11ax HEW20_Nss1(MCS0)_4TX	Pass	2.44196G	13.95	-16.05	846.08M	-53.70	2.39944G	-20.21	2.4G	-22.30	2.48394G	-26.01	16.40555G	-47.12	3
802.11ax HEW40_Nss1(MCS0)_4TX	Pass	2.43198G	5.97	-24.03	2.05865G	-53.76	2.39828G	-24.71	2.4G	-27.90	2.48442G	-36.23	17.007G	-46.86	2

Result

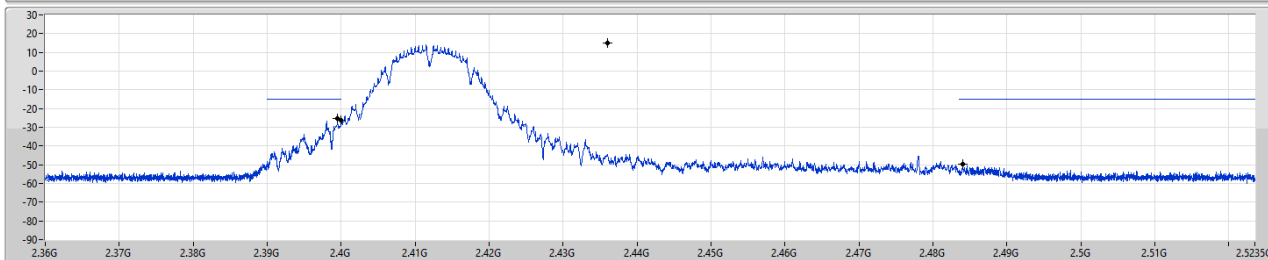
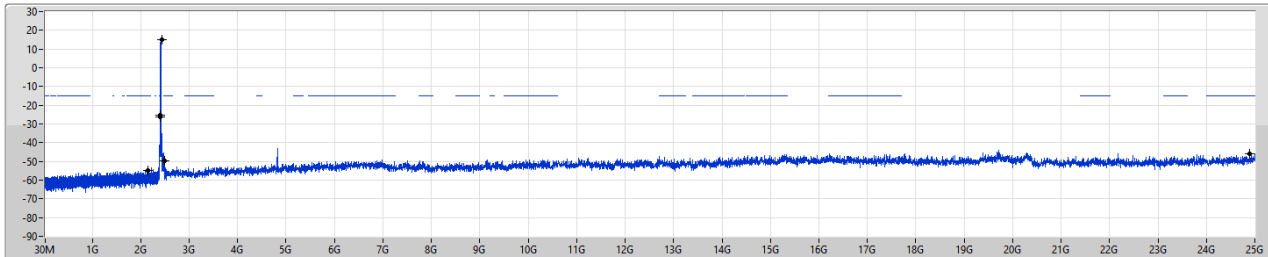
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43599G	15.13	-14.87	2.14797G	-54.80	2.3995G	-25.44	2.4G	-26.07	2.48398G	-49.80	24.88762G	-46.11	1
2417MHz															
2437MHz	Pass	2.43599G	15.13	-14.87	1.79265G	-54.29	2.3975G	-31.39	2.4835G	-34.08	2.484G	-31.97	24.94662G	-46.16	1
2457MHz															
2462MHz	Pass	2.43599G	15.13	-14.87	1.87128G	-55.02	2.39602G	-49.89	2.4835G	-50.28	2.4847G	-46.84	16.22574G	-45.09	1
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44388G	10.60	-19.40	2.07691G	-53.33	2.39968G	-22.26	2.4G	-23.53	2.48364G	-51.49	24.66566G	-48.39	1
2412MHz	Pass	2.44388G	10.60	-19.40	948.89M	-53.82	2.39956G	-20.79	2.4G	-21.68	2.48604G	-50.87	17.67266G	-47.72	2
2412MHz	Pass	2.44388G	10.60	-19.40	927.92M	-54.02	2.39992G	-19.96	2.4G	-21.22	2.48534G	-51.87	6.91204G	-47.72	3
2412MHz	Pass	2.44388G	10.60	-19.40	616M	-53.52	2.39982G	-21.00	2.4G	-24.94	2.48614G	-51.73	16.47298G	-47.54	4
2417MHz															
2437MHz	Pass	2.44388G	10.60	-19.40	463.96M	-53.87	2.39952G	-25.48	2.4G	-28.20	2.48412G	-33.90	24.18523G	-47.80	1
2437MHz	Pass	2.44388G	10.60	-19.40	2.30408G	-53.49	2.39952G	-24.05	2.4G	-26.47	2.48358G	-30.28	16.38588G	-48.56	2
2437MHz	Pass	2.44388G	10.60	-19.40	1.64673G	-53.71	2.3995G	-21.70	2.4G	-23.45	2.48478G	-28.26	24.67971G	-47.92	3
2437MHz	Pass	2.44388G	10.60	-19.40	1.64935G	-53.47	2.39952G	-25.23	2.4G	-28.78	2.4851G	-34.87	16.44488G	-46.86	4
2457MHz															
2462MHz	Pass	2.44388G	10.60	-19.40	2.04458G	-53.47	2.39998G	-45.13	2.4835G	-36.66	2.48352G	-35.33	16.22574G	-47.98	1
2462MHz	Pass	2.44388G	10.60	-19.40	919.48M	-52.72	2.39974G	-45.11	2.4835G	-33.65	2.48354G	-32.26	23.53341G	-47.24	2
2462MHz	Pass	2.44388G	10.60	-19.40	86.21M	-53.31	2.39778G	-44.89	2.4835G	-35.96	2.48456G	-32.22	17.66423G	-47.38	3
2462MHz	Pass	2.44388G	10.60	-19.40	614.25M	-53.87	2.39924G	-44.75	2.4835G	-34.44	2.4842G	-33.17	24.72747G	-47.68	4
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44196G	13.95	-16.05	1.88701G	-53.13	2.39948G	-22.46	2.4G	-22.83	2.48548G	-52.36	17.64737G	-47.63	1
2412MHz	Pass	2.44196G	13.95	-16.05	2.06846G	-53.21	2.39984G	-22.55	2.4G	-24.74	2.48378G	-52.04	16.66122G	-47.98	2
2412MHz	Pass	2.44196G	13.95	-16.05	733.37M	-52.98	2.39976G	-21.46	2.4G	-25.32	2.4842G	-51.95	16.34093G	-48.18	3
2412MHz	Pass	2.44196G	13.95	-16.05	806.76M	-53.95	2.3995G	-21.80	2.4G	-22.48	2.48434G	-51.77	5.74607G	-47.47	4
2417MHz															
2437MHz	Pass	2.44196G	13.95	-16.05	2.16545G	-54.38	2.39916G	-23.27	2.4G	-26.51	2.48352G	-32.13	17.64176G	-48.28	1
2437MHz	Pass	2.44196G	13.95	-16.05	945.98M	-53.52	2.39972G	-21.20	2.4G	-23.38	2.48418G	-29.49	16.55446G	-47.84	2
2437MHz	Pass	2.44196G	13.95	-16.05	846.08M	-53.70	2.39944G	-20.21	2.4G	-22.30	2.48394G	-26.01	16.40555G	-47.12	3
2437MHz	Pass	2.44196G	13.95	-16.05	2.19166G	-54.10	2.3991G	-23.12	2.4G	-26.42	2.48444G	-32.44	16.34936G	-47.10	4
2457MHz															
2462MHz	Pass	2.44196G	13.95	-16.05	898.8M	-54.43	2.39986G	-48.74	2.4835G	-41.79	2.48498G	-37.52	24.12342G	-48.38	1
2462MHz	Pass	2.44196G	13.95	-16.05	911.61M	-53.36	2.39726G	-48.88	2.4835G	-39.21	2.48372G	-34.49	24.13746G	-47.86	2
2462MHz	Pass	2.44196G	13.95	-16.05	71.65M	-52.00	2.39904G	-52.00	2.4835G	-39.55	2.48428G	-38.32	17.6558G	-48.35	3
2462MHz	Pass	2.44196G	13.95	-16.05	2.12263G	-53.44	2.39958G	-45.92	2.4835G	-37.46	2.4841G	-33.71	24.705G	-47.55	4
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	5.97	-24.03	2.17086G	-53.38	2.39996G	-28.42	2.4G	-29.35	2.48414G	-49.72	24.74759G	-48.37	1
2422MHz	Pass	2.43198G	5.97	-24.03	2.11075G	-54.04	2.4G	-28.45	2.4G	-28.46	2.48674G	-51.16	16.62277G	-47.91	2
2422MHz	Pass	2.43198G	5.97	-24.03	2.12449G	-53.35	2.4G	-28.13	2.4G	-28.41	2.48674G	-51.04	16.3339G	-47.92	3
2422MHz	Pass	2.43198G	5.97	-24.03	1.63415G	-52.99	2.39992G	-28.01	2.4G	-28.88	2.49262G	-51.52	24.09974G	-48.57	4
2427MHz															
2437MHz	Pass	2.43198G	5.97	-24.03	951.44M	-54.38	2.39996G	-25.68	2.4G	-30.03	2.48446G	-34.83	17.67729G	-47.29	1
2437MHz	Pass	2.43198G	5.97	-24.03	2.05865G	-53.76	2.39828G	-24.71	2.4G	-27.90	2.48442G	-36.23	17.007G	-46.86	2
2437MHz	Pass	2.43198G	5.97	-24.03	70.93M	-52.93	2.39952G	-26.45	2.4G	-28.43	2.48426G	-35.42	23.31726G	-48.27	3
2437MHz	Pass	2.43198G	5.97	-24.03	1.62871G	-53.56	2.39828G	-24.85	2.4G	-26.62	2.4859G	-33.12	16.37597G	-47.77	4
2447MHz															
2452MHz	Pass	2.43198G	5.97	-24.03	1.9599G	-53.69	2.39976G	-45.29	2.4835G	-39.04	2.48474G	-37.42	24.69711G	-47.35	1
2452MHz	Pass	2.43198G	5.97	-24.03	2.30741G	-53.76	2.39956G	-46.30	2.4835G	-40.98	2.4845G	-37.35	17.66607G	-47.91	2
2452MHz	Pass	2.43198G	5.97	-24.03	49.75M	-52.34	2.39936G	-47.02	2.4835G	-41.24	2.48446G	-36.59	24.71954G	-47.82	3
2452MHz	Pass	2.43198G	5.97	-24.03	2.16228G	-54.06	2.39948G	-47.66	2.4835G	-39.37	2.4855G	-37.22	6.55439G	-47.58	4

802.11b_Nss1,(1Mbps)_1TX

2412MHz

CSENdB

23/05/2022



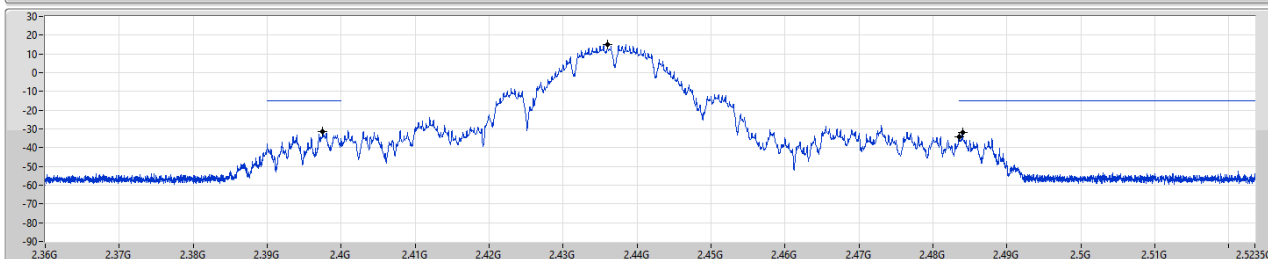
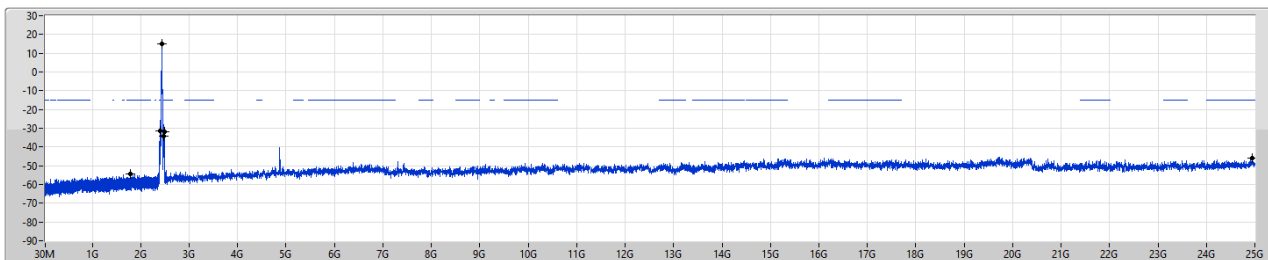
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43599G	15.13	-14.87	2.14797G	-54.80	2.3995G	-25.44	2.4G	-26.07	2.48398G	-49.80	2.48762G	-46.11	1

802.11b_Nss1,(1Mbps)_1TX

2437MHz

CSENdB

23/05/2022



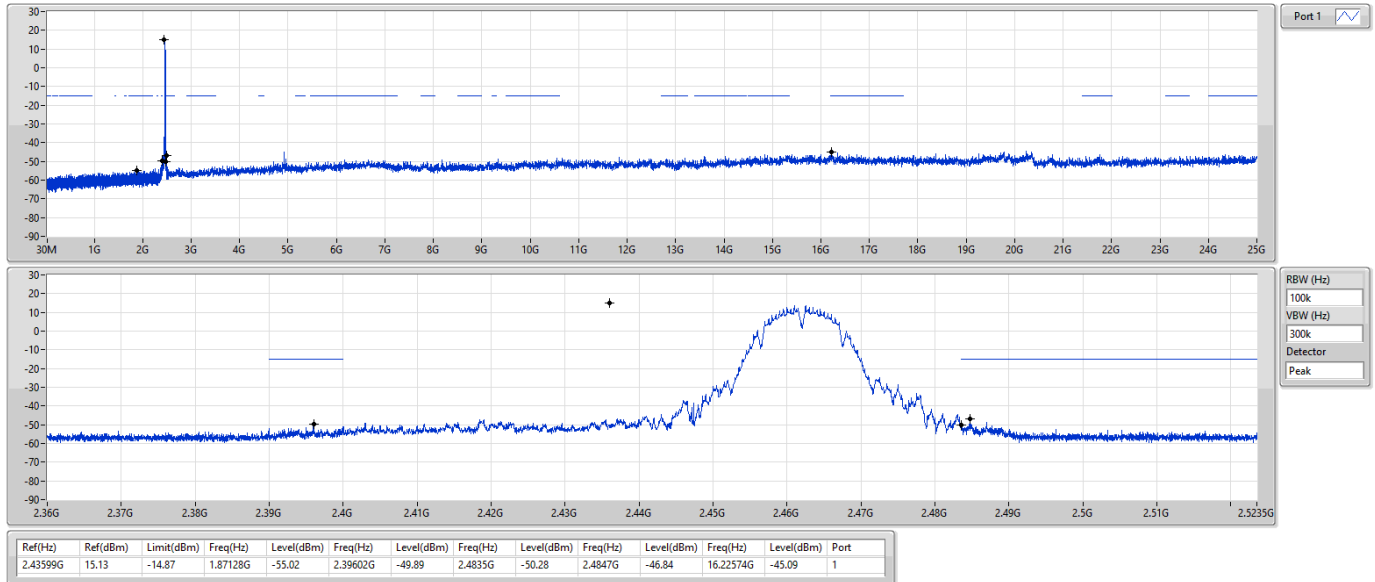
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2.43599G	15.13	-14.87	1.79265G	-54.29	2.3975G	-31.39	2.4835G	-34.08	2.484G	-31.97	2.49462G	-46.16	1

802.11b_Nss1,(1Mbps)_1TX

CSENdB

2462MHz

23/05/2022

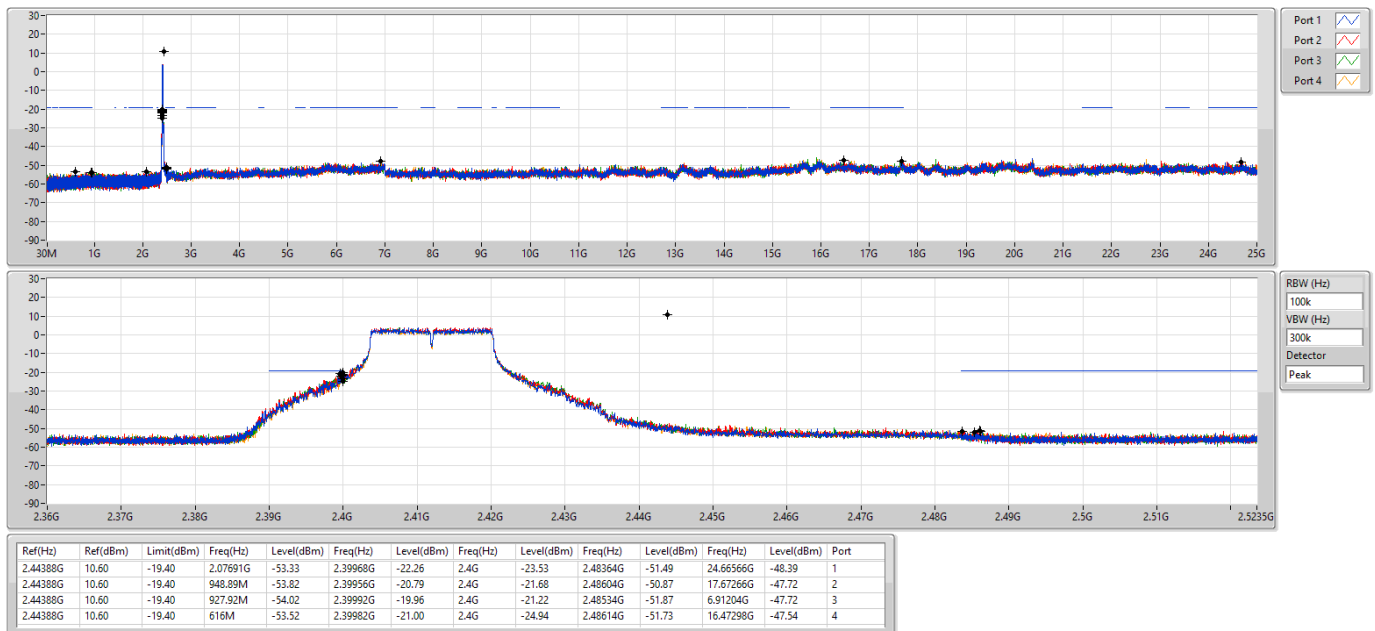


802.11g_Nss1,(6Mbps)_4TX

CSENdB

2412MHz

30/05/2022

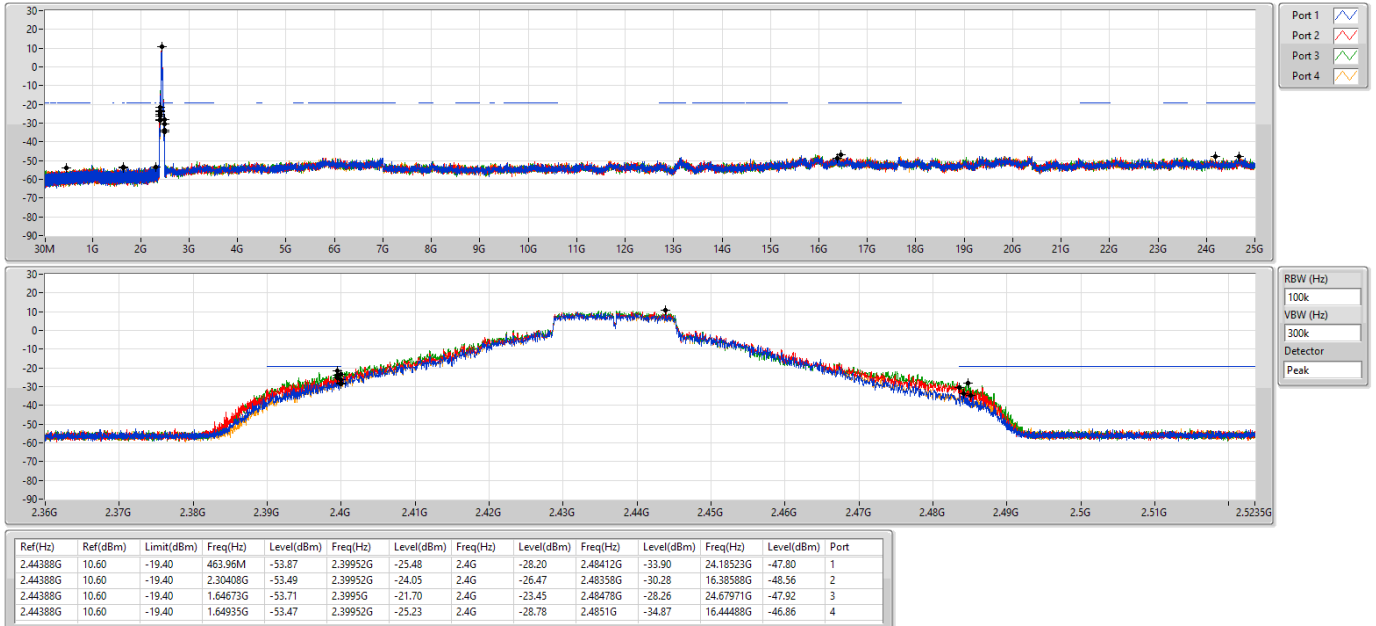


802.11g_Nss1,(6Mbps)_4TX

CSENdB

2437MHz

30/05/2022

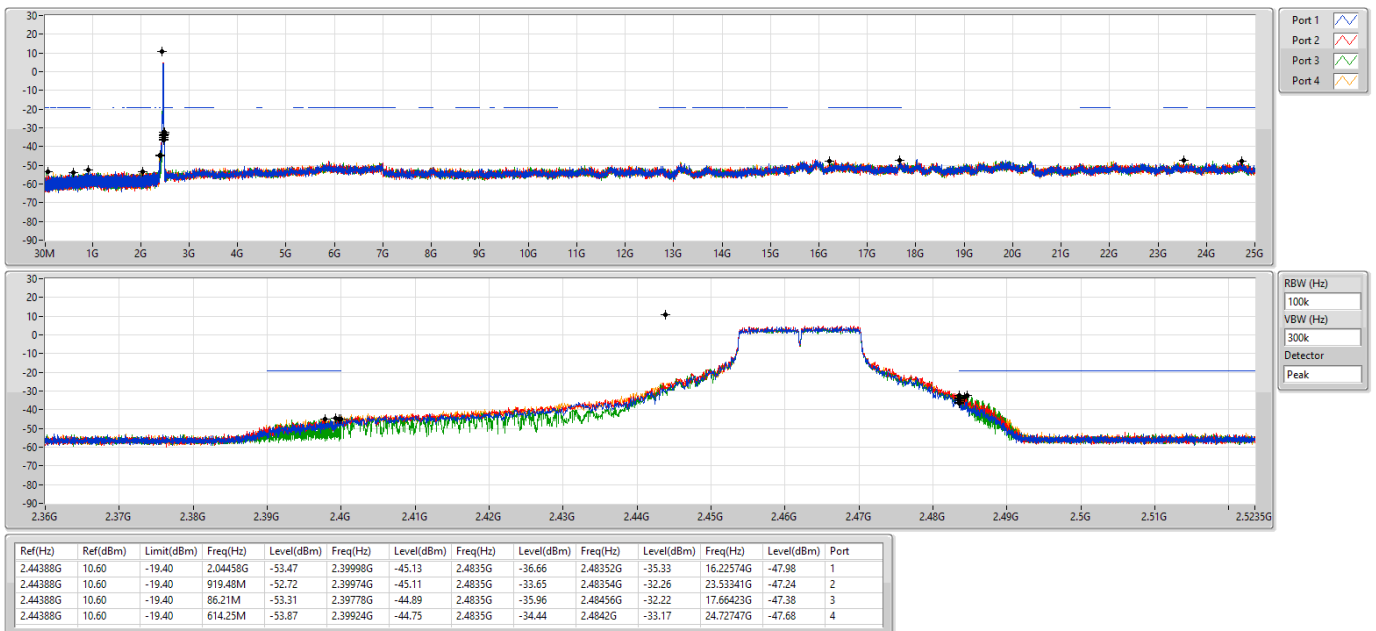


802.11g_Nss1,(6Mbps)_4TX

CSENdB

2462MHz

30/05/2022

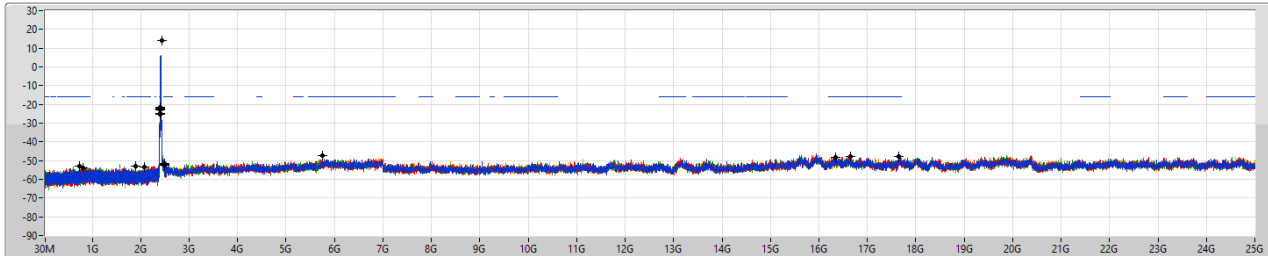


802.11ax HEW20_Nss1,(MCS0)_4TX

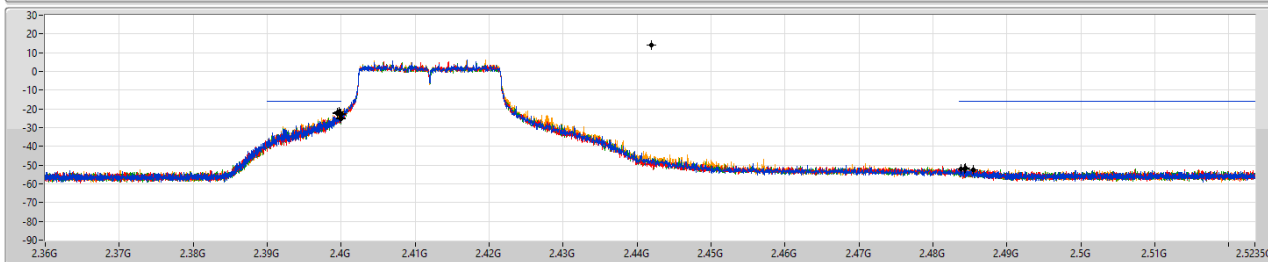
CSENdB

2412MHz

30/05/2022



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

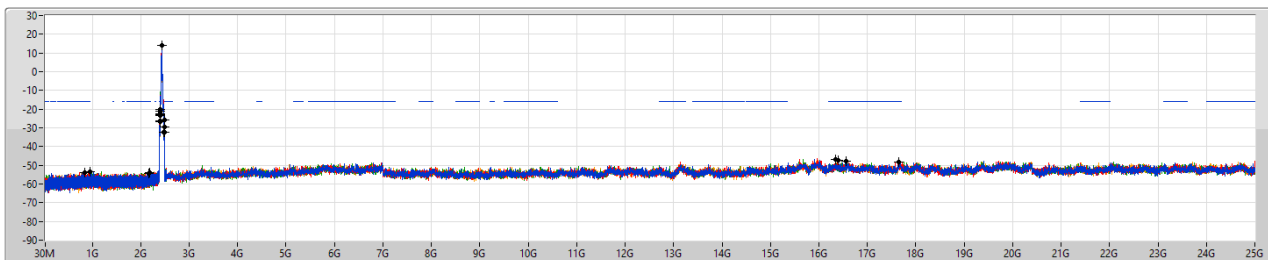
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	13.95	-16.05	1.88701G	-53.13	2.39948G	-22.46	2.4G	-22.83	2.48548G	-52.36	17.64737G	-47.63	1
2.44196G	13.95	-16.05	2.06846G	-53.21	2.39984G	-22.55	2.4G	-24.74	2.48378G	-52.04	16.66122G	-47.98	2
2.44196G	13.95	-16.05	733.37M	-52.98	2.39976G	-21.46	2.4G	-25.32	2.4842G	-51.95	16.34093G	-48.18	3
2.44196G	13.95	-16.05	806.76M	-53.95	2.3995G	-21.80	2.4G	-22.48	2.48434G	-51.77	5.74607G	-47.47	4

802.11ax HEW20_Nss1,(MCS0)_4TX

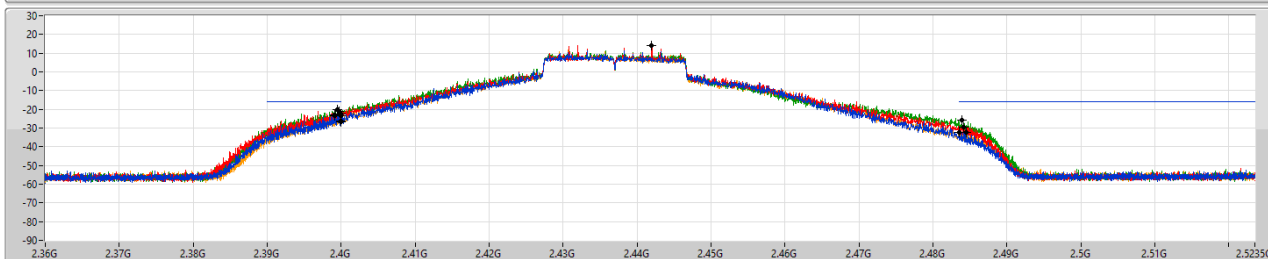
CSENdB

2437MHz

30/05/2022



Port 1
Port 2
Port 3
Port 4



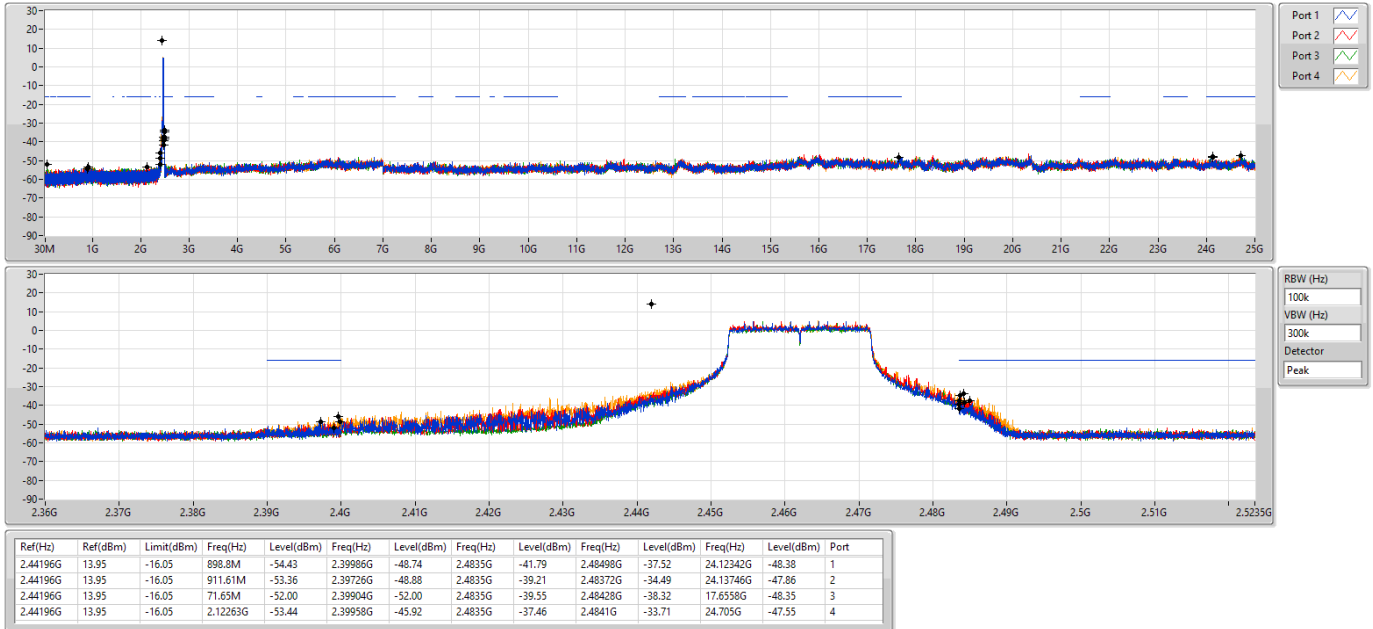
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

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
2.44196G	13.95	-16.05	2.16545G	-54.38	2.39916G	-23.27	2.4G	-26.51	2.48352G	-32.13	17.64176G	-48.28	1
2.44196G	13.95	-16.05	945.98M	-53.52	2.39972G	-21.20	2.4G	-23.38	2.48418G	-29.49	16.55446G	-47.84	2
2.44196G	13.95	-16.05	846.08M	-53.70	2.39844G	-20.21	2.4G	-22.30	2.48394G	-26.01	16.40595G	-47.12	3
2.44196G	13.95	-16.05	2.19166G	-54.10	2.3991G	-23.12	2.4G	-26.42	2.48444G	-32.44	16.34936G	-47.10	4

802.11ax HEW20_Nss1,(MCS0)_4TX

CSENdB

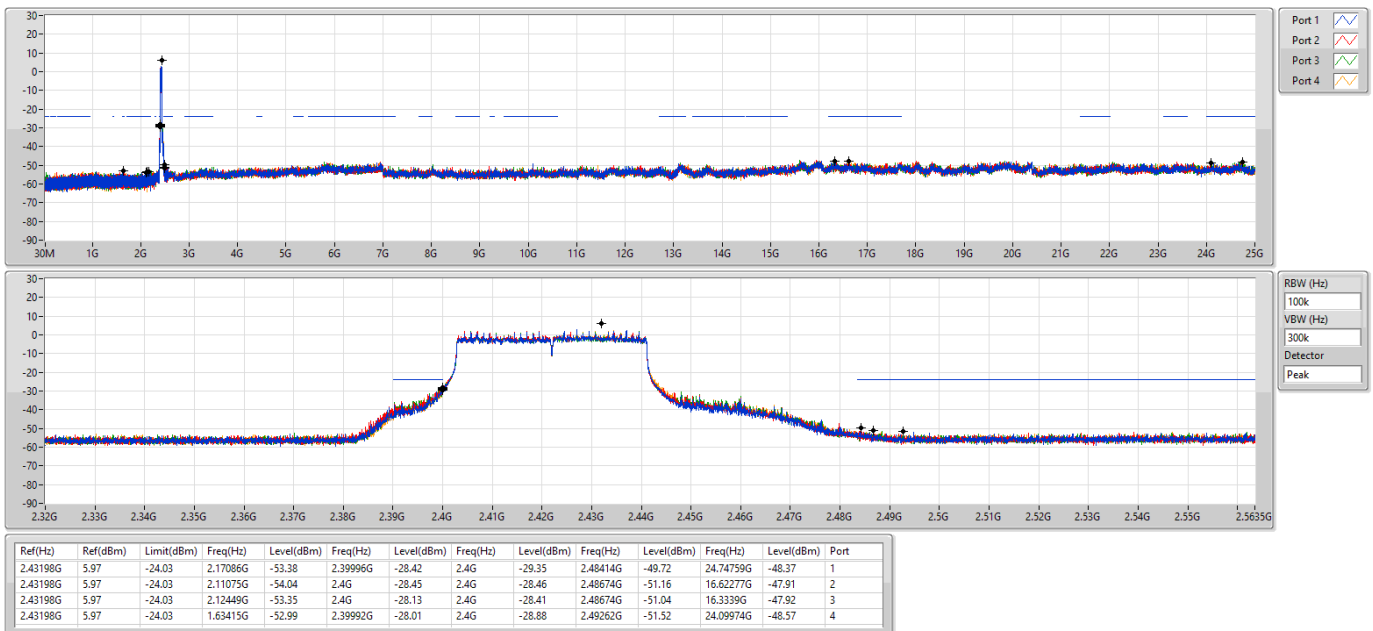
2462MHz



802.11ax HEW40_Nss1,(MCS0)_4TX

CSENdB

2422MHz

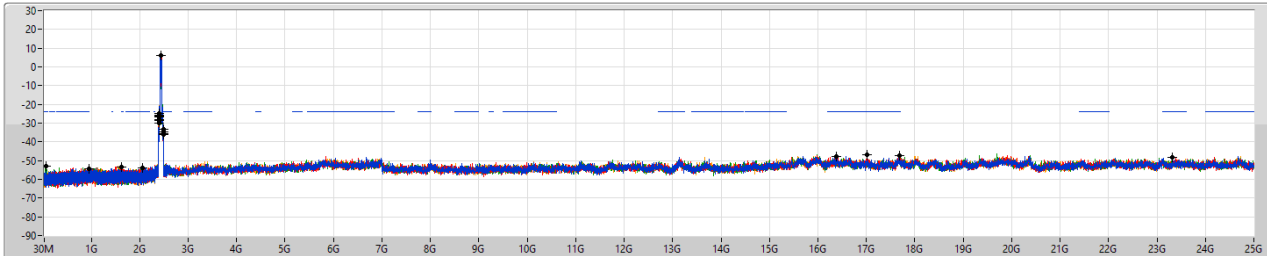


802.11ax HEW40_Nss1,(MCS0)_4TX

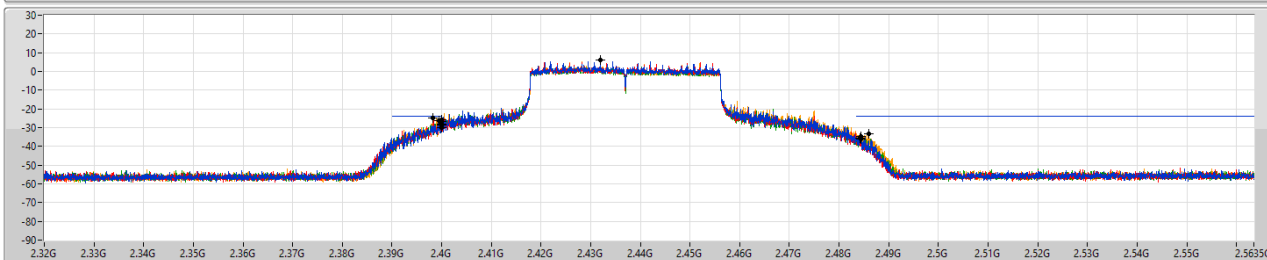
CSENdB

2437MHz

30/05/2022



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

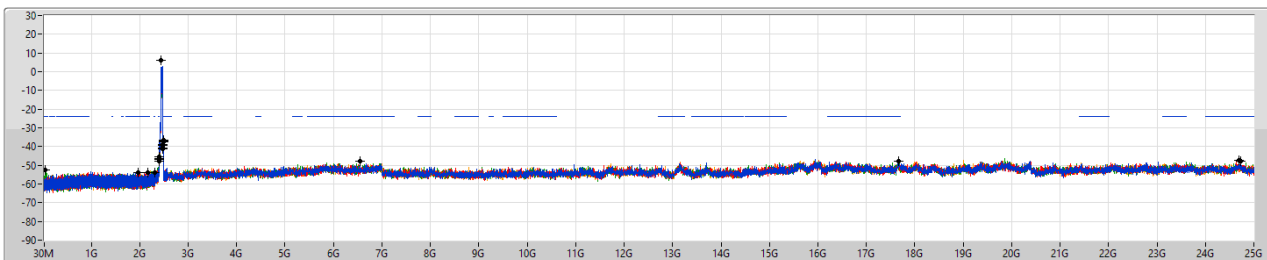
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	5.97	-24.03	951.44M	-54.38	2.39996G	-25.68	2.4G	-30.03	2.48446G	-34.83	17.67729G	-47.29	1
2.43198G	5.97	-24.03	2.05865G	-53.76	2.39828G	-24.71	2.4G	-27.90	2.48442G	-36.23	17.007G	-46.86	2
2.43198G	5.97	-24.03	70.93M	-52.93	2.39952G	-26.45	2.4G	-28.43	2.48426G	-35.42	23.31726G	-48.27	3
2.43198G	5.97	-24.03	1.62871G	-53.56	2.39828G	-24.85	2.4G	-26.62	2.4859G	-33.12	16.37597G	-47.77	4

802.11ax HEW40_Nss1,(MCS0)_4TX

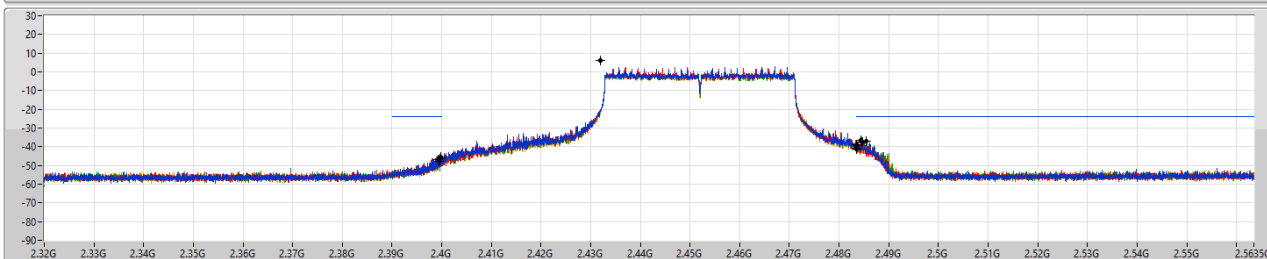
CSENdB

2452MHz

30/05/2022



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

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
2.43198G	5.97	-24.03	1.9599G	-53.69	2.39976G	-45.29	2.4835G	-39.04	2.48474G	-37.42	24.69711G	-47.35	1
2.43198G	5.97	-24.03	2.30741G	-53.76	2.39956G	-46.30	2.4835G	-40.98	2.4845G	-37.35	17.66607G	-47.91	2
2.43198G	5.97	-24.03	48.79M	-52.34	2.39936G	-47.02	2.4835G	-41.24	2.48446G	-36.59	24.71954G	-47.82	3
2.43198G	5.97	-24.03	2.16228G	-54.06	2.39948G	-47.66	2.4835G	-39.37	2.4855G	-37.22	6.55439G	-47.58	4



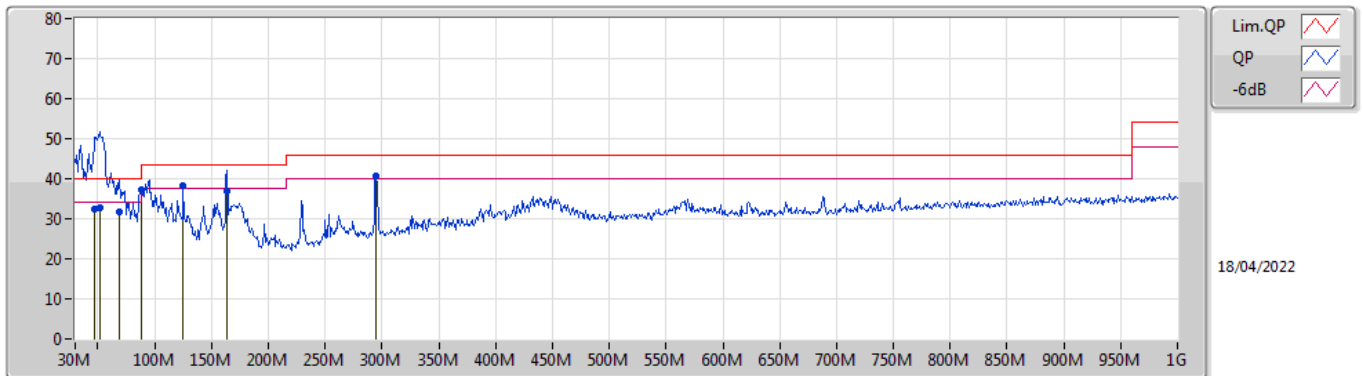
Radiated Emissions below 1GHz_For EUT 1

Appendix F.1

Summary

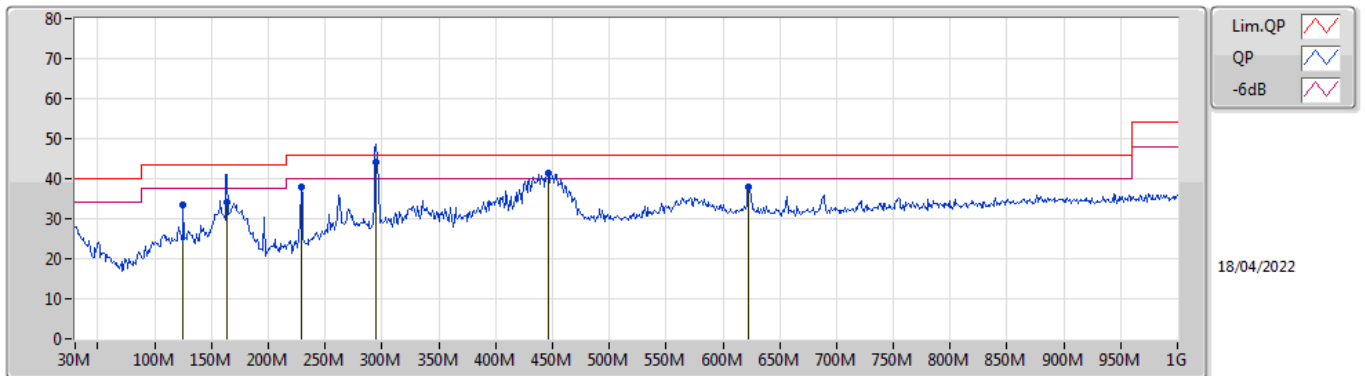
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 3	Pass	QP	294.81M	44.04	46.00	-1.96	Horizontal

Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	47.46M	32.55	40.00	-7.45	-15.78	3	Vertical	74	1.00	-	48.33	14.91	1.05	31.74
QP	51.34M	32.63	40.00	-7.37	-17.17	3	Vertical	74	1.00	-	49.80	13.50	1.10	31.77
QP	68.8M	31.88	40.00	-8.12	-18.41	3	Vertical	74	1.00	-	50.29	12.20	1.28	31.89
PK	88M	37.07	43.50	-6.43	-16.30	3	Vertical	74	1.00	-	53.37	14.15	1.46	31.91
PK	125.06M	38.33	43.50	-5.17	-12.41	3	Vertical	74	1.00	"Worst"	50.74	17.89	1.65	31.95
QP	163.86M	36.83	43.50	-6.67	-14.27	3	Vertical	171	1.00	-	51.10	15.67	2.02	31.96
PK	294.81M	40.75	46.00	-5.25	-10.41	3	Vertical	181	1.50	-	51.16	18.98	2.68	32.07

Mode 3



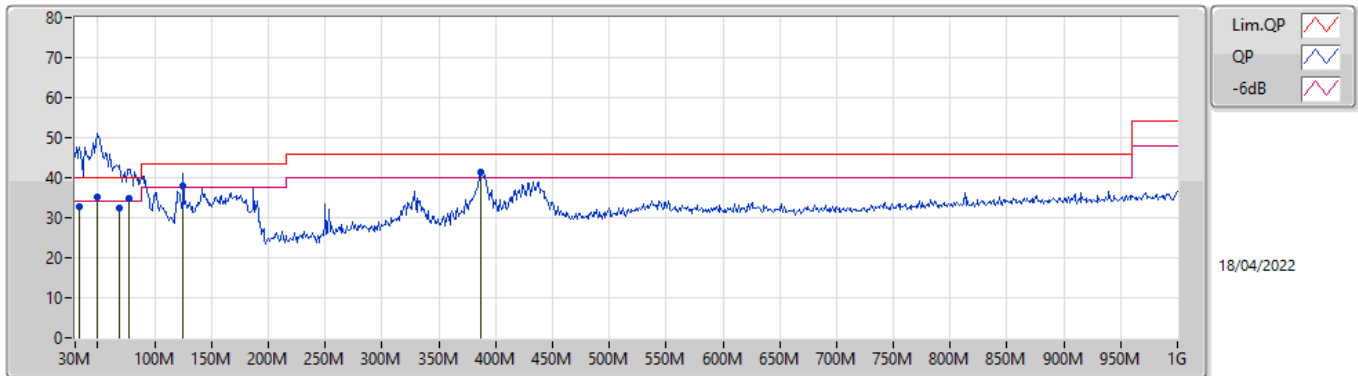
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	125.06M	33.49	43.50	-10.01	-12.41	3	Horizontal	151	3.00	-	45.90	17.89	1.65	31.95
QP	163.86M	34.16	43.50	-9.34	-14.27	3	Horizontal	190	2.00	-	48.43	15.67	2.02	31.96
PK	228.85M	37.79	46.00	-8.21	-13.87	3	Horizontal	133	1.50	-	51.66	15.76	2.37	32.00
QP	294.81M	44.04	46.00	-1.96	-10.41	3	Horizontal	113	1.25	"Worst"	54.45	18.98	2.68	32.07
PK	446.13M	41.39	46.00	-4.61	-6.27	3	Horizontal	327	1.00	-	47.66	22.52	3.48	32.27
PK	622.67M	37.82	46.00	-8.18	-3.95	3	Horizontal	237	1.50	-	41.77	24.48	4.09	32.52



Summary

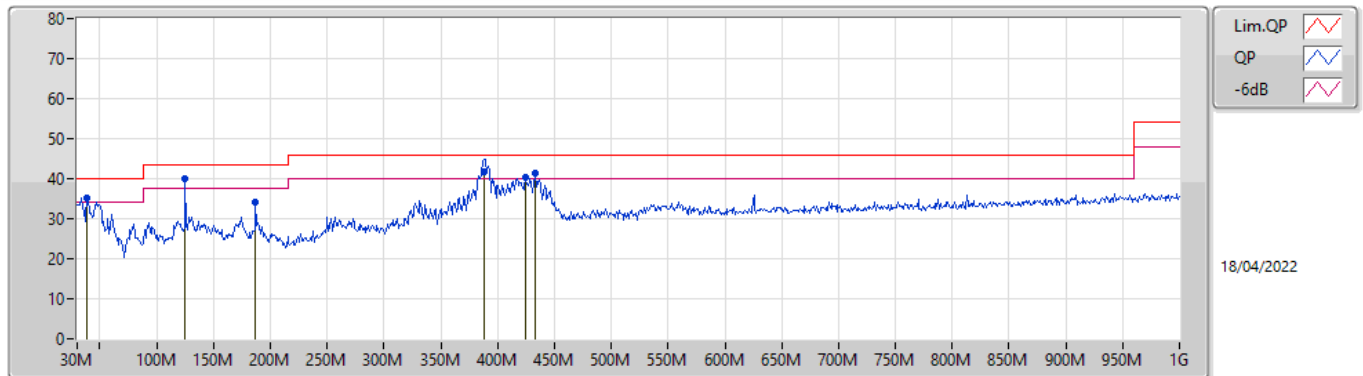
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 5	Pass	PK	125.06M	39.88	43.50	-3.62	Horizontal

Mode 5



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	33.88M	32.62	40.00	-7.38	-8.71	3	Vertical	83	1.25	-	41.33	21.98	0.88	31.57
QP	49.4M	35.01	40.00	-4.99	-16.48	3	Vertical	193	1.00	-	51.49	14.28	1.00	31.76
QP	68.8M	32.39	40.00	-7.61	-18.41	3	Vertical	125	1.25	-	50.80	12.20	1.28	31.89
QP	77.53M	34.76	40.00	-5.24	-18.12	3	Vertical	129	1.50	-	52.88	12.49	1.30	31.91
QP	125.06M	38.08	43.50	-5.42	-12.41	3	Vertical	41	1.25	-	50.49	17.89	1.65	31.95
PK	386.96M	41.36	46.00	-4.64	-8.07	3	Vertical	320	1.25	"Worst"	49.43	21.05	3.05	32.17

Mode 5



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	38.73M	35.33	40.00	-4.67	-11.39	3	Horizontal	115	2.00	-	46.72	19.35	0.90	31.64
PK	125.06M	39.88	43.50	-3.62	-12.41	3	Horizontal	112	1.50	"Worst"	52.29	17.89	1.65	31.95
PK	187.14M	34.01	43.50	-9.49	-15.00	3	Horizontal	127	1.00	-	49.01	14.87	2.10	31.97
QP	387.93M	41.67	46.00	-4.33	-8.03	3	Horizontal	218	1.00	-	49.70	21.09	3.05	32.17
PK	424.79M	40.20	46.00	-5.80	-6.73	3	Horizontal	311	1.00	-	46.93	22.30	3.20	32.23
PK	433.52M	41.30	46.00	-4.70	-6.72	3	Horizontal	320	1.00	-	48.02	22.30	3.23	32.25

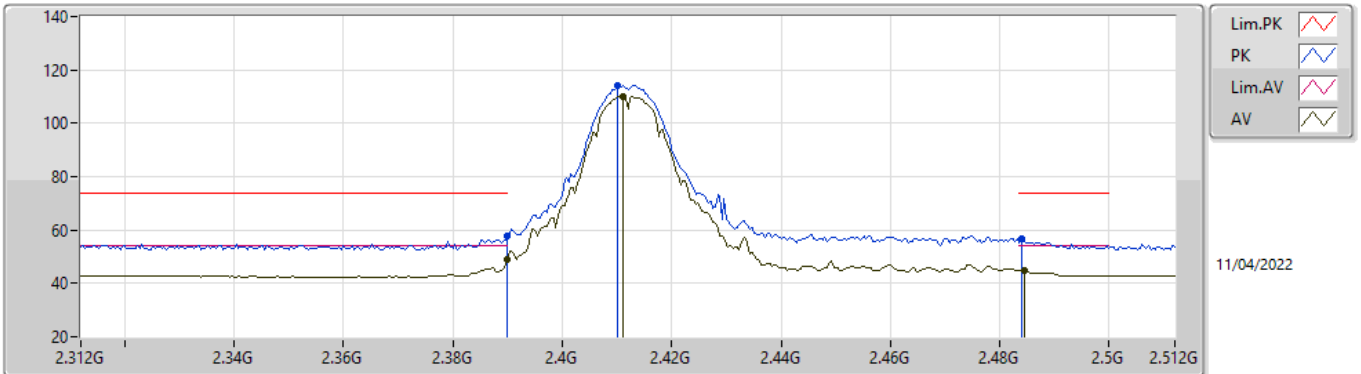


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1.(1Mbps)_1TX	Pass	AV	4.824G	53.78	54.00	-0.22	3	Horizontal	56	2.23	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

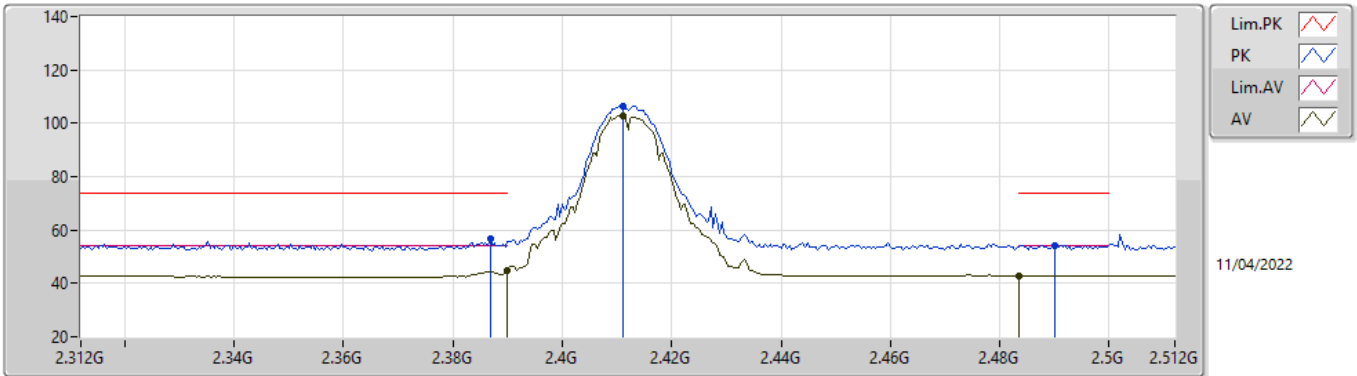


EUT_Z_1TX
Setting 25
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	57.72	74.00	-16.28	27.45	3	Vertical	12	1.38	-	27.48	2.79	-
AV	2.39G	49.17	54.00	-4.83	18.90	3	Vertical	12	1.38	-	27.48	2.79	-
PK	2.41G	114.30	Inf	-Inf	83.98	3	Vertical	12	1.38	-	27.52	2.80	-
AV	2.4112G	110.07	Inf	-Inf	79.74	3	Vertical	12	1.38	-	27.52	2.81	-
PK	2.484G	56.73	74.00	-17.27	26.09	3	Vertical	12	1.38	-	27.80	2.84	-
AV	2.4844G	44.90	54.00	-9.10	14.25	3	Vertical	12	1.38	-	27.81	2.84	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

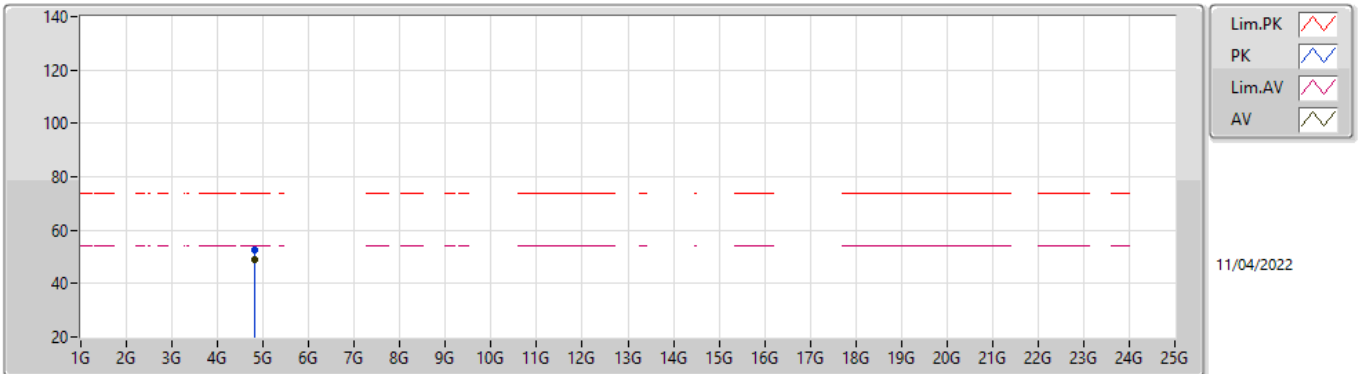


EUT_Z_1TX
Setting 25
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3868G	56.59	74.00	-17.41	26.33	3	Horizontal	191	2.89	-	27.47	2.79	-	
AV	2.39G	44.86	54.00	-9.14	14.59	3	Horizontal	191	2.89	-	27.48	2.79	-	
PK	2.4112G	106.59	Inf	-Inf	76.26	3	Horizontal	191	2.89	-	27.52	2.81	-	
AV	2.4112G	102.67	Inf	-Inf	72.34	3	Horizontal	191	2.89	-	27.52	2.81	-	
PK	2.49G	54.23	74.00	-19.77	23.55	3	Horizontal	191	2.89	-	27.84	2.84	-	
AV	2.4835G	42.81	54.00	-11.19	12.17	3	Horizontal	191	2.89	-	27.80	2.84	-	

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

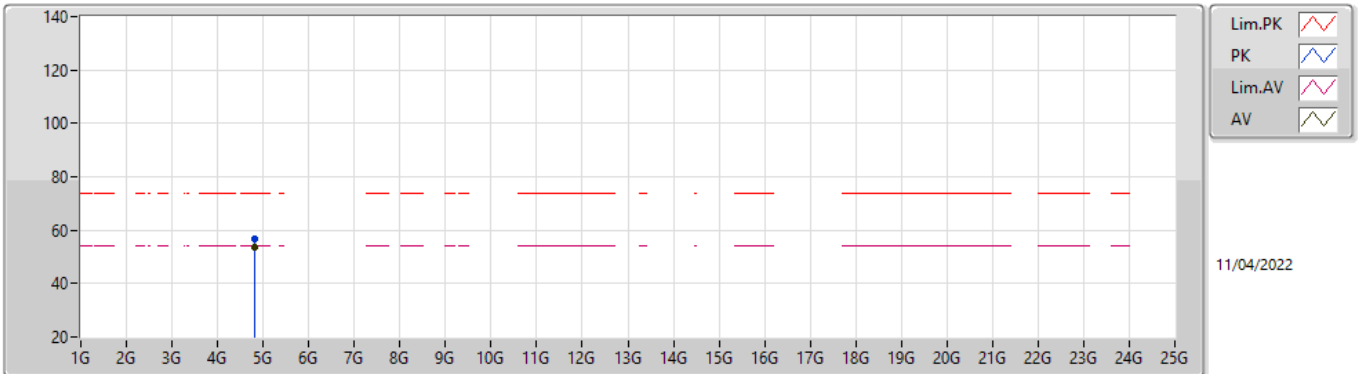


EUT_Z_1TX
Setting 25
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.824G	52.64	74.00	-21.36	48.38	3	Vertical	252	1.40	-	32.70	4.81	33.25
AV	4.824G	48.97	54.00	-5.03	44.71	3	Vertical	252	1.40	-	32.70	4.81	33.25

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

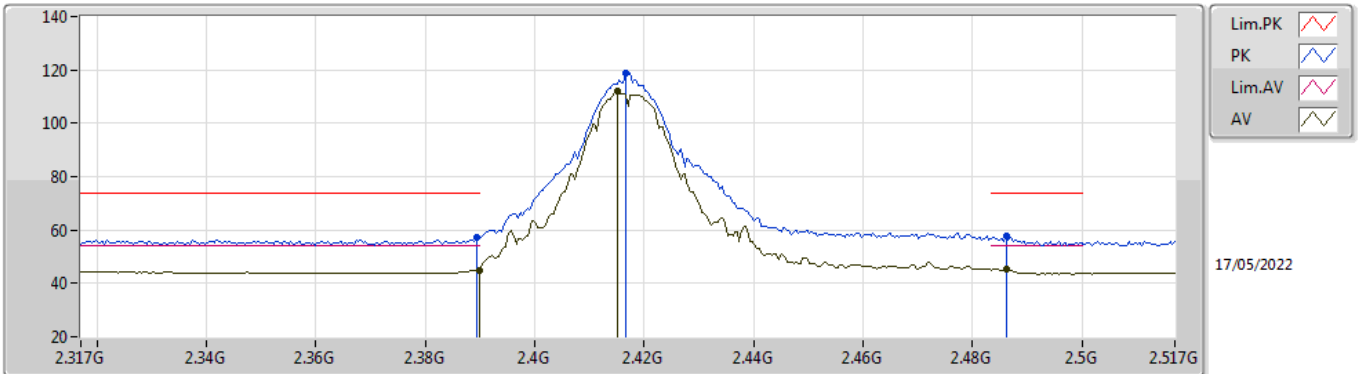


EUT_Z_1TX
Setting 25
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.824G	56.51	74.00	-17.49	52.25	3	Horizontal	56	2.23	-	32.70	4.81	33.25
AV	4.824G	53.78	54.00	-0.22	49.52	3	Horizontal	56	2.23	-	32.70	4.81	33.25

802.11b_Nss1,(1Mbps)_1TX

2417MHz_TX

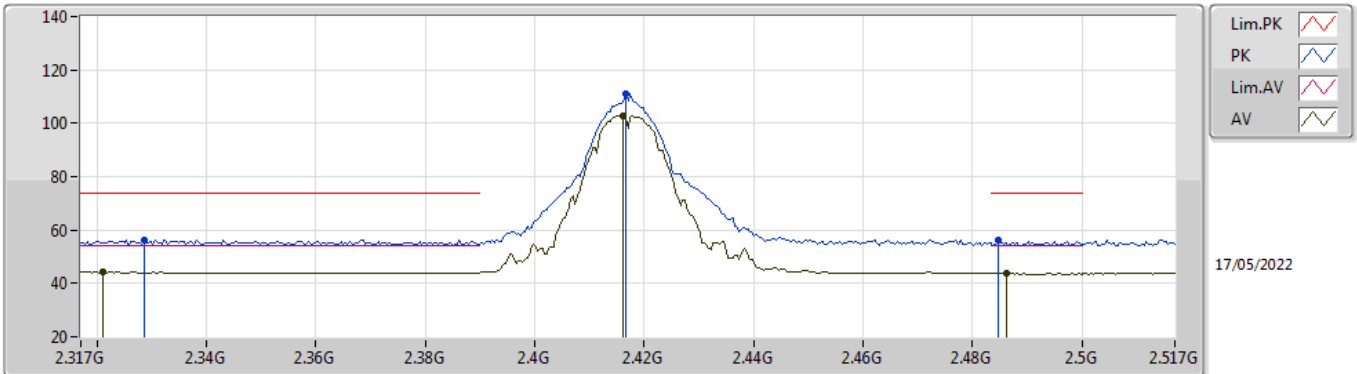


EUT_Z_1TX
Setting 26
06-F-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	57.18	74.00	-16.82	25.81	3	Vertical	360	1.01	-	27.48	3.89	-
AV	2.3898G	44.99	54.00	-9.01	13.62	3	Vertical	360	1.01	-	27.48	3.89	-
PK	2.4166G	119.01	Inf	-Inf	87.78	3	Vertical	360	1.01	-	27.33	3.90	-
AV	2.415G	111.91	Inf	-Inf	80.67	3	Vertical	360	1.01	-	27.34	3.90	-
PK	2.4862G	57.69	74.00	-16.31	26.51	3	Vertical	360	1.01	-	27.27	3.91	-
AV	2.4862G	45.41	54.00	-8.59	14.23	3	Vertical	360	1.01	-	27.27	3.91	-

802.11b_Nss1,(1Mbps)_1TX

2417MHz_TX

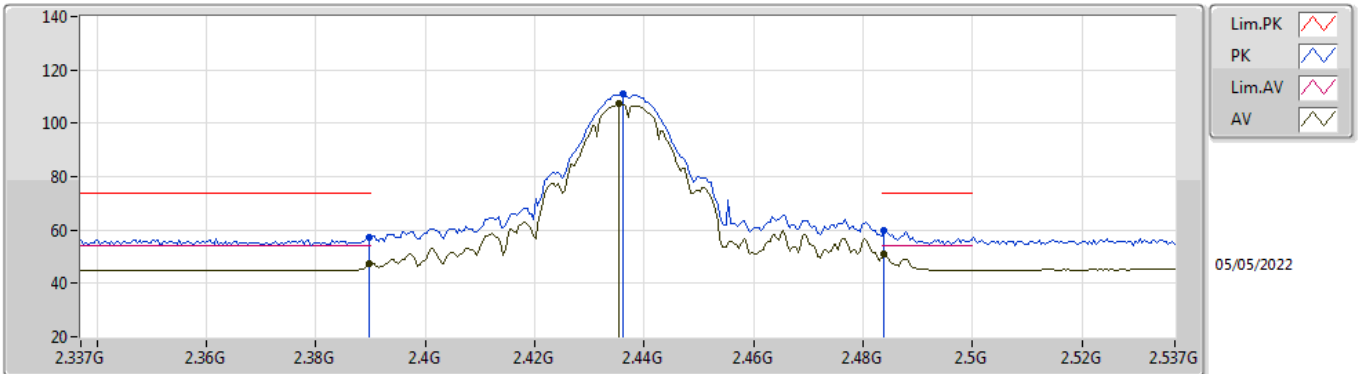


EUT_Z_1TX
Setting 26
06-F-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3286G	56.44	74.00	-17.56	24.74	3	Horizontal	291	1.37	-	27.89	3.81	-
AV	2.321G	44.14	54.00	-9.86	12.41	3	Horizontal	291	1.37	-	27.92	3.81	-
PK	2.4166G	110.83	Inf	-Inf	79.60	3	Horizontal	291	1.37	-	27.33	3.90	-
AV	2.4162G	102.92	Inf	-Inf	71.68	3	Horizontal	291	1.37	-	27.34	3.90	-
PK	2.4846G	55.95	74.00	-18.05	24.77	3	Horizontal	291	1.37	-	27.27	3.91	-
AV	2.4862G	43.71	54.00	-10.29	12.53	3	Horizontal	291	1.37	-	27.27	3.91	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

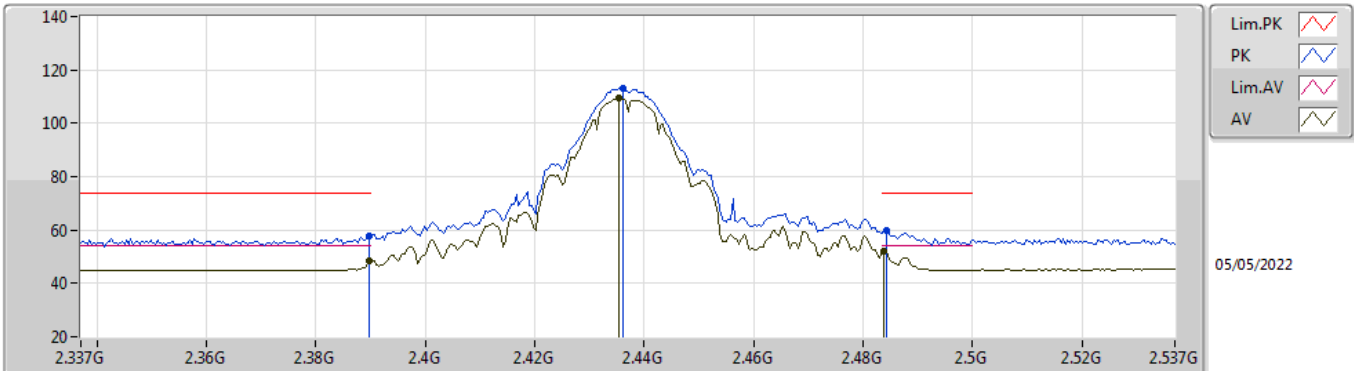


EUT_Z_1TX
Setting 28
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3898G	57.05	74.00	-16.95	24.40	3	Vertical	70	2.66	-	28.26	4.39	-	
AV	2.3898G	47.34	54.00	-6.66	14.69	3	Vertical	70	2.66	-	28.26	4.39	-	
PK	2.4362G	111.00	Inf	-Inf	78.28	3	Vertical	70	2.66	-	28.30	4.42	-	
AV	2.4354G	107.18	Inf	-Inf	74.46	3	Vertical	70	2.66	-	28.30	4.42	-	
PK	2.4838G	59.57	74.00	-14.43	26.69	3	Vertical	70	2.66	-	28.44	4.44	-	
AV	2.4838G	50.90	54.00	-3.10	18.02	3	Vertical	70	2.66	-	28.44	4.44	-	

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

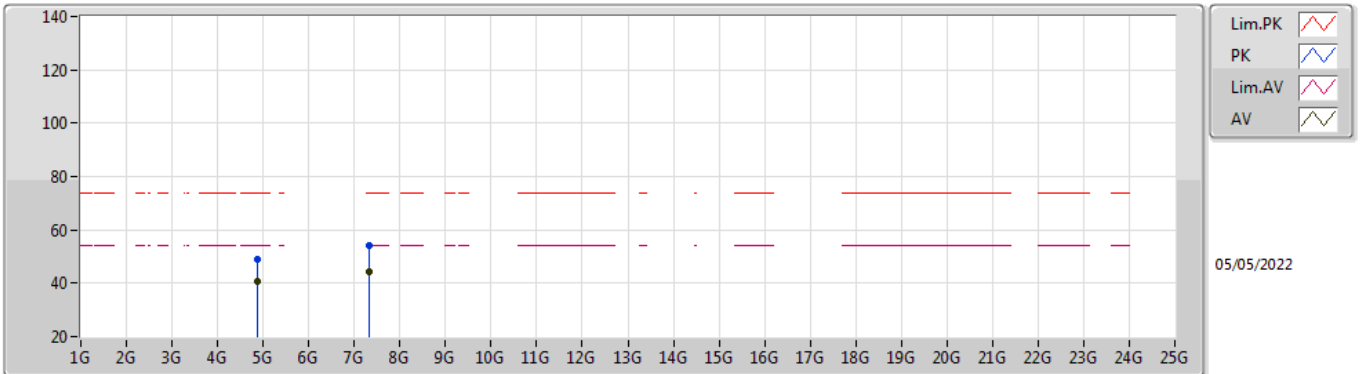


EUT_Z_1TX
Setting 28
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3898G	57.61	74.00	-16.39	24.96	3	Horizontal	0	2.85	-	28.26	4.39	-	
AV	2.3898G	48.37	54.00	-5.63	15.72	3	Horizontal	0	2.85	-	28.26	4.39	-	
PK	2.4362G	113.18	Inf	-Inf	80.46	3	Horizontal	0	2.85	-	28.30	4.42	-	
AV	2.4354G	109.38	Inf	-Inf	76.66	3	Horizontal	0	2.85	-	28.30	4.42	-	
PK	2.4842G	59.83	74.00	-14.17	26.95	3	Horizontal	0	2.85	-	28.44	4.44	-	
AV	2.4838G	51.96	54.00	-2.04	19.08	3	Horizontal	0	2.85	-	28.44	4.44	-	

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

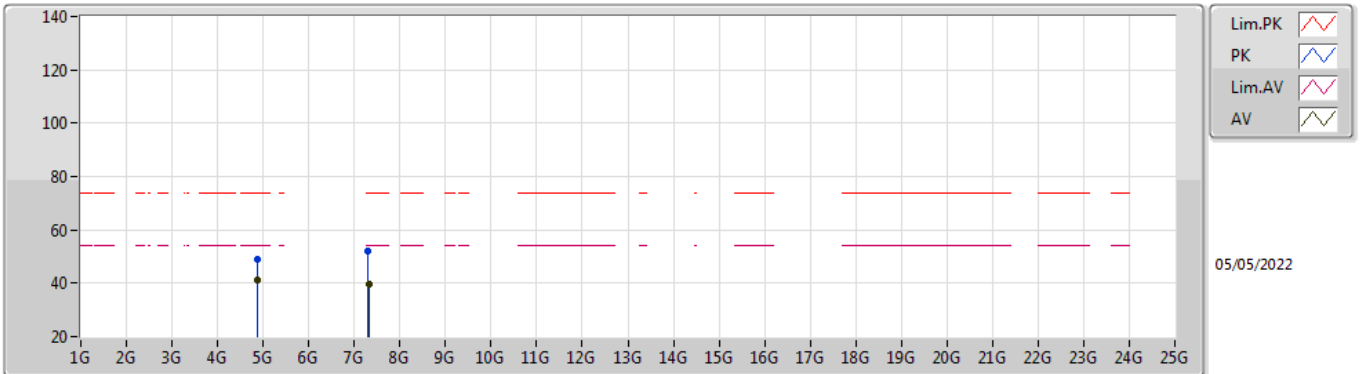


EUT_Z_1TX
Setting 28
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87402G	48.97	74.00	-25.03	43.67	3	Vertical	100	2.60	-	33.60	7.10	35.40
AV	4.87398G	40.78	54.00	-13.22	35.48	3	Vertical	100	2.60	-	33.60	7.10	35.40
PK	7.31202G	54.23	74.00	-19.77	44.46	3	Vertical	119	2.20	-	36.92	8.42	35.57
AV	7.31026G	44.46	54.00	-9.54	34.69	3	Vertical	119	2.20	-	36.92	8.42	35.57

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

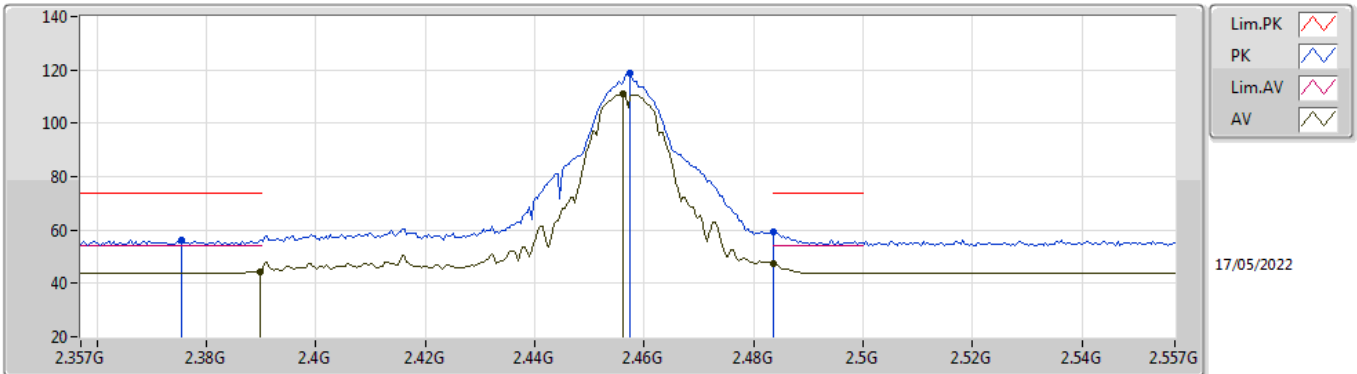


EUT_Z_1TX
Setting 28
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87404G	49.12	74.00	-24.88	43.82	3	Horizontal	131	1.09	-	33.60	7.10	35.40
AV	4.87402G	41.14	54.00	-12.86	35.84	3	Horizontal	131	1.09	-	33.60	7.10	35.40
PK	7.30946G	52.24	74.00	-21.76	42.47	3	Horizontal	246	1.74	-	36.92	8.42	35.57
AV	7.31186G	39.49	54.00	-14.51	29.72	3	Horizontal	246	1.74	-	36.92	8.42	35.57

802.11b_Nss1,(1Mbps)_1TX

2457MHz_TX

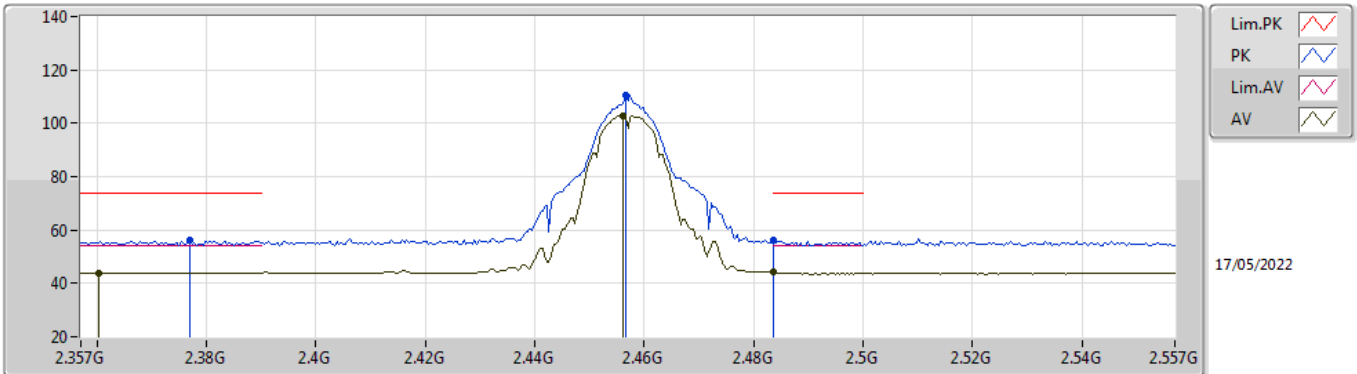


EUT_Z_1TX
Setting 24
06-F-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3754G	56.15	74.00	-17.85	24.68	3	Vertical	360	1.30	-	27.60	3.87	-
AV	2.3898G	44.37	54.00	-9.63	13.00	3	Vertical	360	1.30	-	27.48	3.89	-
PK	2.4574G	118.75	Inf	-Inf	87.63	3	Vertical	360	1.30	-	27.21	3.91	-
AV	2.4562G	110.85	Inf	-Inf	79.73	3	Vertical	360	1.30	-	27.21	3.91	-
PK	2.4835G	59.47	74.00	-14.53	28.29	3	Vertical	360	1.30	-	27.27	3.91	-
AV	2.4835G	47.40	54.00	-6.60	16.22	3	Vertical	360	1.30	-	27.27	3.91	-

802.11b_Nss1,(1Mbps)_1TX

2457MHz_TX

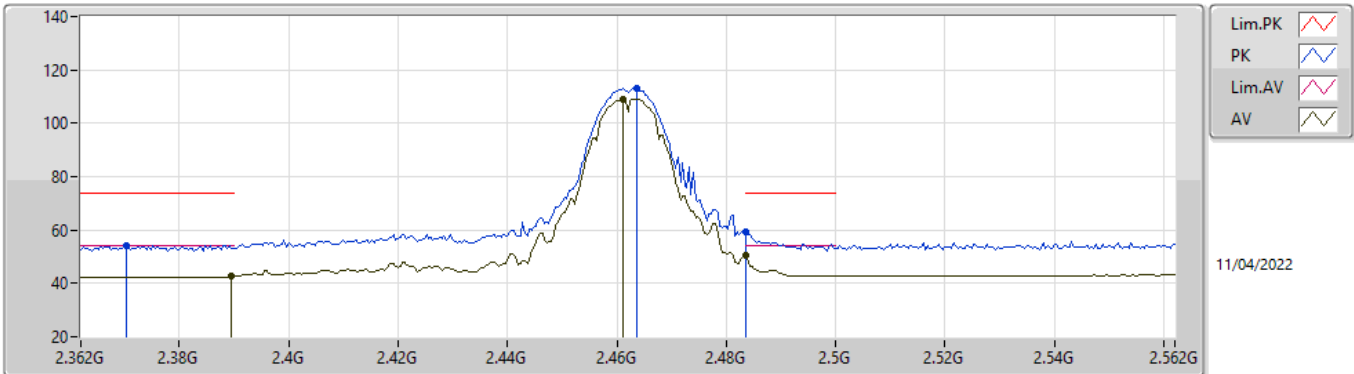


EUT_Z_1TX
Setting 24
06-F-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.377G	56.44	74.00	-17.56	24.99	3	Horizontal	289	2.44	-	27.58	3.87	-
AV	2.3602G	43.88	54.00	-10.12	12.31	3	Horizontal	289	2.44	-	27.72	3.85	-
PK	2.4566G	110.61	Inf	-Inf	79.49	3	Horizontal	289	2.44	-	27.21	3.91	-
AV	2.4562G	102.80	Inf	-Inf	71.68	3	Horizontal	289	2.44	-	27.21	3.91	-
PK	2.4835G	56.25	74.00	-17.75	25.07	3	Horizontal	289	2.44	-	27.27	3.91	-
AV	2.4835G	44.09	54.00	-9.91	12.91	3	Horizontal	289	2.44	-	27.27	3.91	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

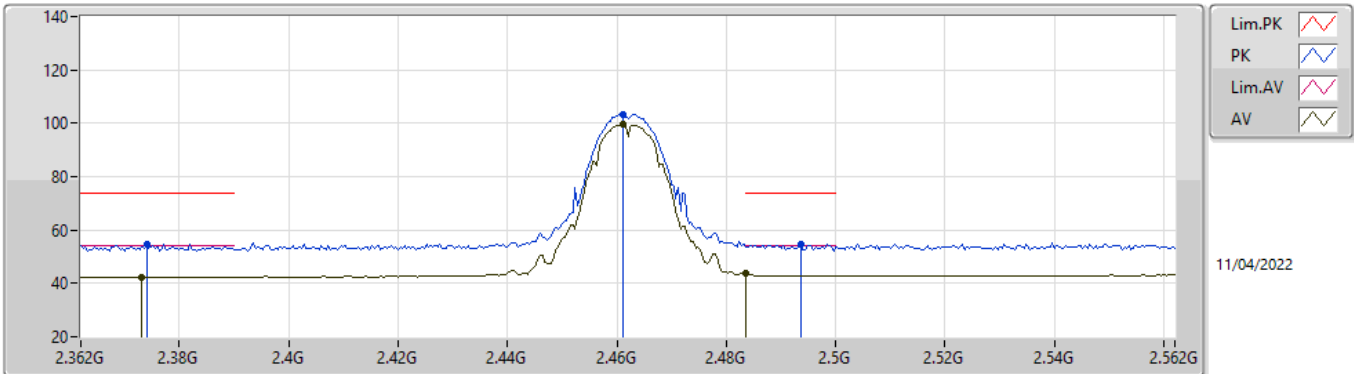


EUT_Z_1TX
Setting 24
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3704G	54.26	74.00	-19.74	24.03	3	Vertical	9	1.12	-	27.44	2.79	-
AV	2.3896G	42.65	54.00	-11.35	12.38	3	Vertical	9	1.12	-	27.48	2.79	-
PK	2.4636G	113.35	Inf	-Inf	82.84	3	Vertical	9	1.12	-	27.68	2.83	-
AV	2.4612G	109.09	Inf	-Inf	78.59	3	Vertical	9	1.12	-	27.67	2.83	-
PK	2.4835G	59.39	74.00	-14.61	28.75	3	Vertical	9	1.12	-	27.80	2.84	-
AV	2.4835G	50.36	54.00	-3.64	19.72	3	Vertical	9	1.12	-	27.80	2.84	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

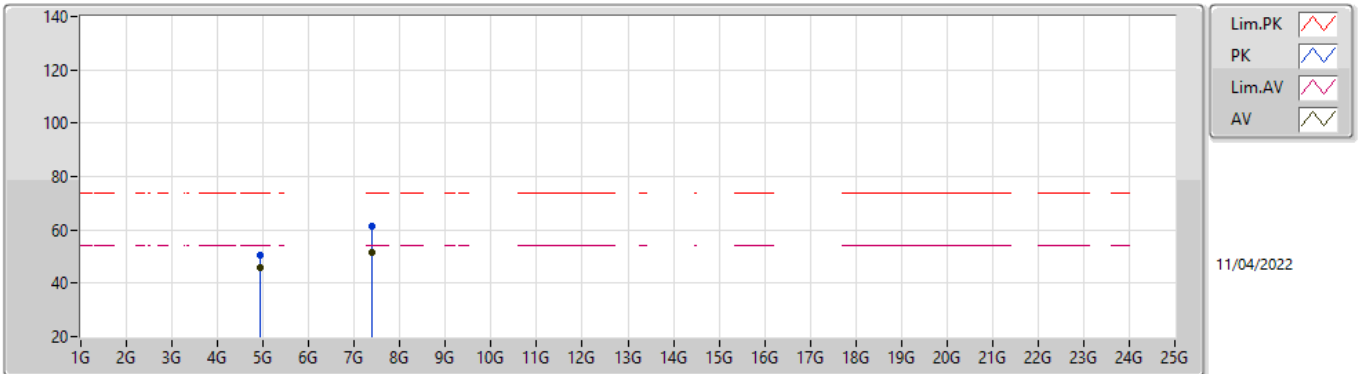


EUT_Z_1TX
Setting 24
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.374G	54.80	74.00	-19.20	24.56	3	Horizontal	192	1.06	-	27.45	2.79	-
AV	2.3732G	42.38	54.00	-11.62	12.14	3	Horizontal	192	1.06	-	27.45	2.79	-
PK	2.4612G	103.44	Inf	-Inf	72.94	3	Horizontal	192	1.06	-	27.67	2.83	-
AV	2.4612G	99.60	Inf	-Inf	69.10	3	Horizontal	192	1.06	-	27.67	2.83	-
PK	2.4936G	54.71	74.00	-19.29	24.00	3	Horizontal	192	1.06	-	27.86	2.85	-
AV	2.4835G	44.02	54.00	-9.98	13.38	3	Horizontal	192	1.06	-	27.80	2.84	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

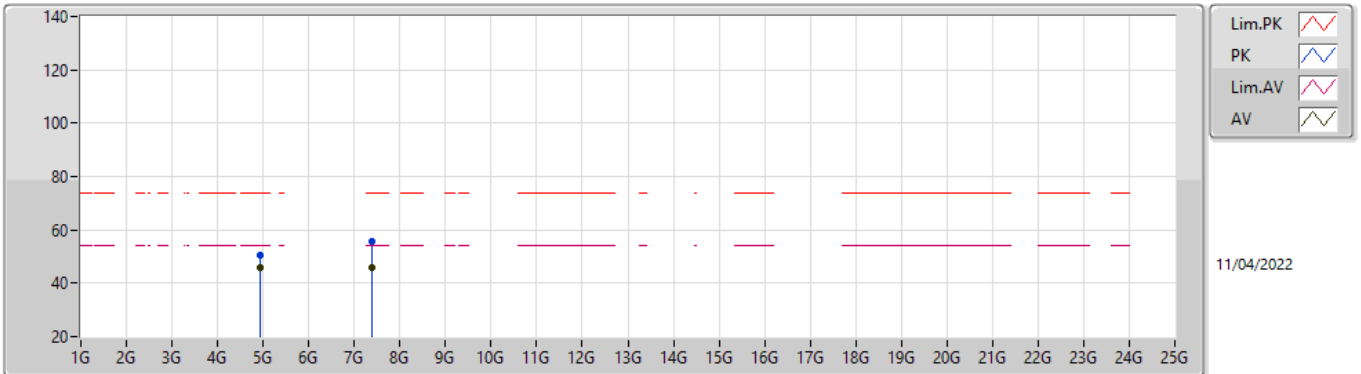


EUT_Z_1TX
Setting 24
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92394G	50.62	74.00	-23.38	45.91	3	Vertical	243	1.79	-	33.05	4.86	33.20
AV	4.924G	46.06	54.00	-7.94	41.35	3	Vertical	243	1.79	-	33.05	4.86	33.20
PK	7.38588G	61.53	74.00	-12.47	51.55	3	Vertical	262	1.54	-	37.64	6.09	33.75
AV	7.38522G	51.55	54.00	-2.45	41.57	3	Vertical	262	1.54	-	37.64	6.09	33.75

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

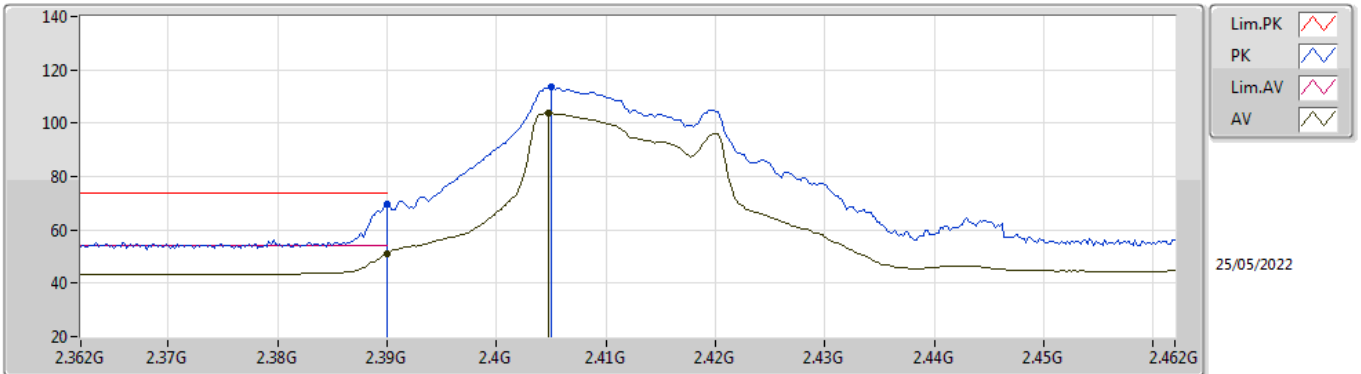


EUT_Z_1TX
Setting 24
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92424G	50.39	74.00	-23.61	45.68	3	Horizontal	266	1.20	-	33.05	4.86	33.20
AV	4.924G	45.77	54.00	-8.23	41.06	3	Horizontal	266	1.20	-	33.05	4.86	33.20
PK	7.38666G	55.45	74.00	-18.55	45.46	3	Horizontal	54	2.26	-	37.65	6.09	33.75
AV	7.38672G	46.07	54.00	-7.93	36.08	3	Horizontal	54	2.26	-	37.65	6.09	33.75

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

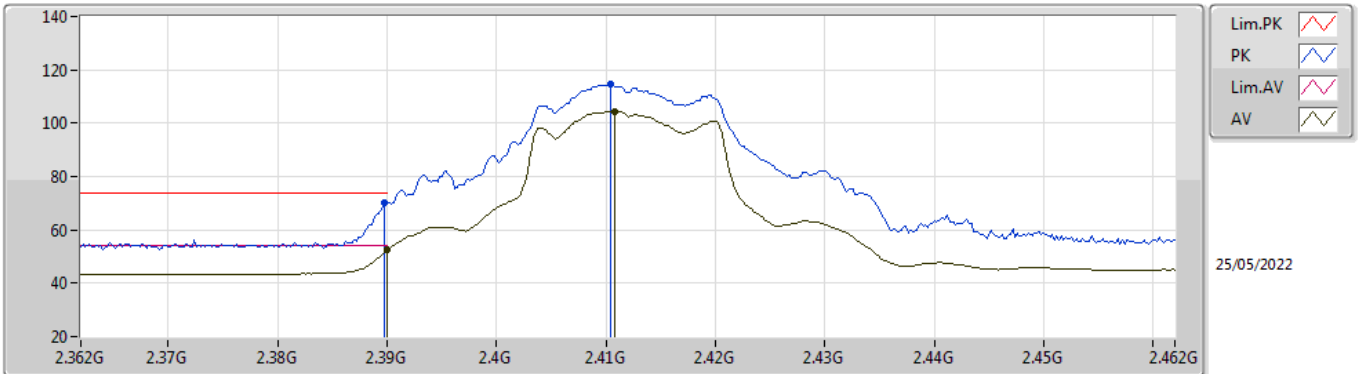


EUT_X_4TX
Setting 19
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	69.70	74.00	-4.30	38.53	3	Vertical	268	1.73	-	28.38	2.79	-
AV	2.39G	51.26	54.00	-2.74	20.09	3	Vertical	268	1.73	-	28.38	2.79	-
PK	2.405G	113.74	Inf	-Inf	82.54	3	Vertical	268	1.73	-	28.40	2.80	-
AV	2.4048G	103.77	Inf	-Inf	72.57	3	Vertical	268	1.73	-	28.40	2.80	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

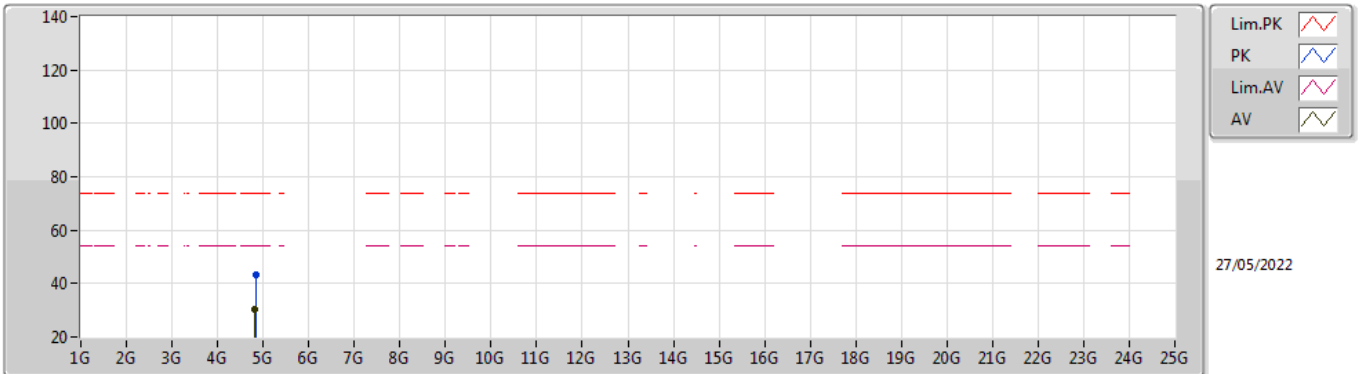


EUT_X_4TX
Setting 19
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	70.08	74.00	-3.92	38.91	3	Horizontal	190	2.08	-	28.38	2.79	-
AV	2.39G	52.34	54.00	-1.66	21.17	3	Horizontal	190	2.08	-	28.38	2.79	-
PK	2.4104G	114.53	Inf	-Inf	83.32	3	Horizontal	190	2.08	-	28.40	2.81	-
AV	2.4108G	104.34	Inf	-Inf	73.13	3	Horizontal	190	2.08	-	28.40	2.81	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

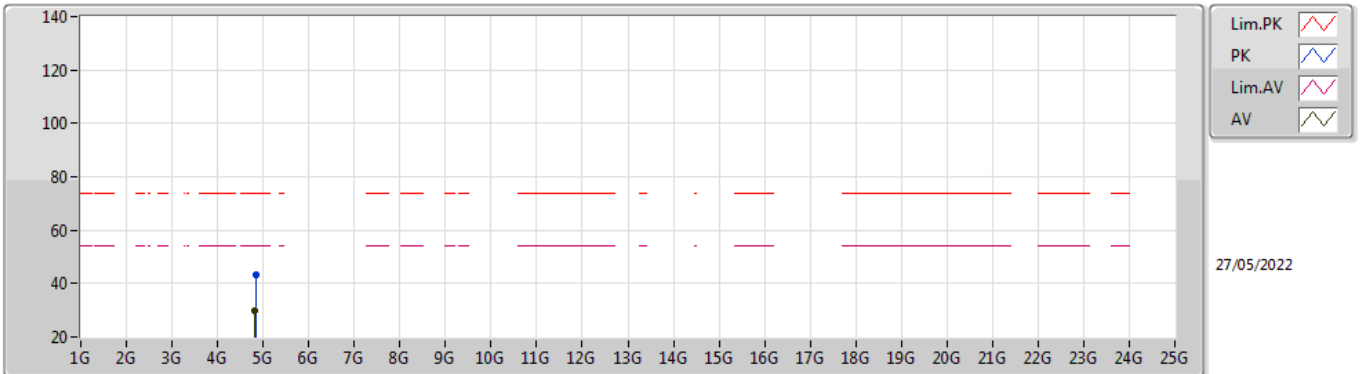


EUT X_4TX
Setting 19
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.83318G	43.33	74.00	-30.67	37.45	3	Vertical	77	1.74	-	33.00	5.10	32.22
AV	4.81404G	30.14	54.00	-23.86	24.39	3	Vertical	77	1.74	-	32.88	5.10	32.23

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

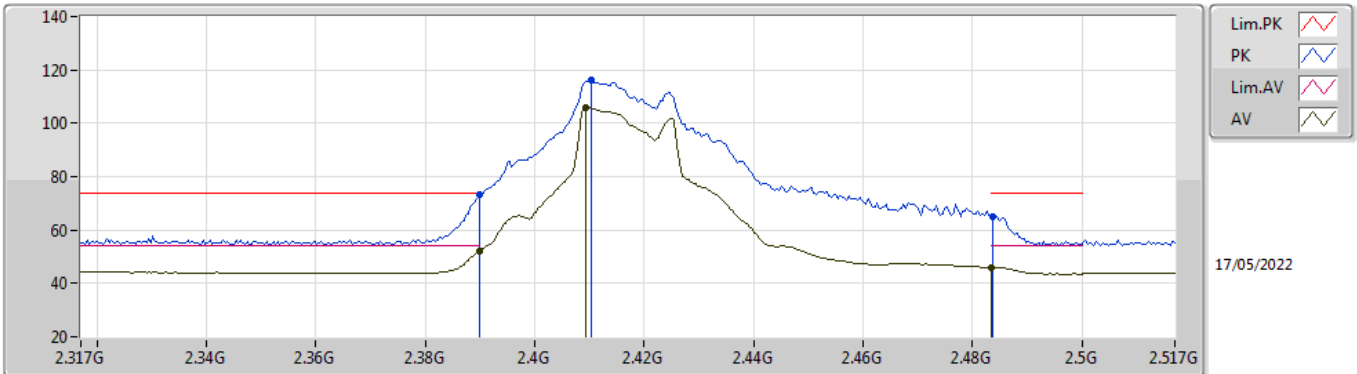


EUT X_4TX
Setting 19
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.83888G	43.22	74.00	-30.78	37.31	3	Horizontal	21	2.37	-	33.03	5.10	32.22
AV	4.81158G	30.07	54.00	-23.93	24.33	3	Horizontal	21	2.37	-	32.87	5.10	32.23

802.11g_Nss1,(6Mbps)_4TX

2417MHz_TX

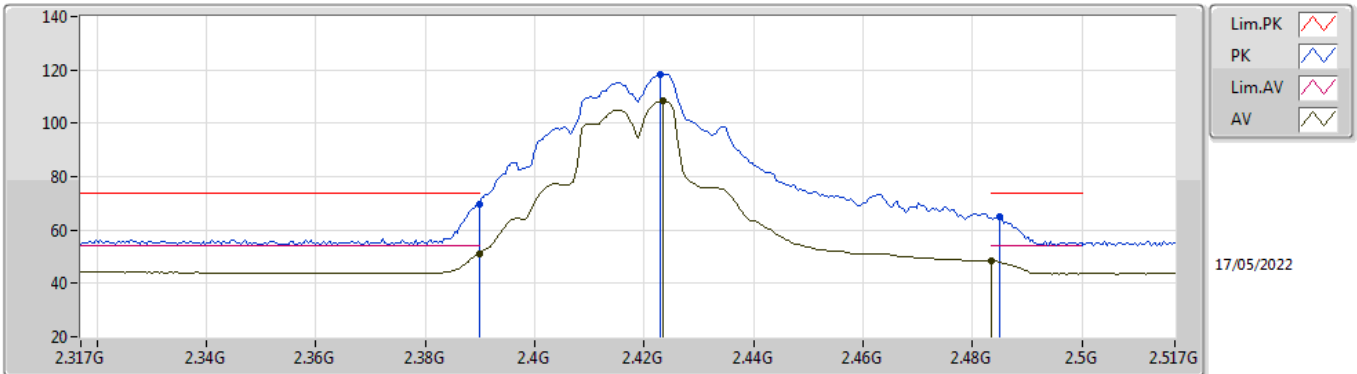


EUT_X_4TX
Setting 21
06-F-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	73.43	74.00	-0.57	42.06	3	Vertical	271	2.18	-	27.48	3.89	-
AV	2.3898G	51.94	54.00	-2.06	20.57	3	Vertical	271	2.18	-	27.48	3.89	-
PK	2.4102G	116.02	Inf	-Inf	84.76	3	Vertical	271	2.18	-	27.36	3.90	-
AV	2.4094G	106.02	Inf	-Inf	74.76	3	Vertical	271	2.18	-	27.36	3.90	-
PK	2.4838G	65.14	74.00	-8.86	33.96	3	Vertical	271	2.18	-	27.27	3.91	-
AV	2.4835G	45.87	54.00	-8.13	14.69	3	Vertical	271	2.18	-	27.27	3.91	-

802.11g_Nss1,(6Mbps)_4TX

2417MHz_TX

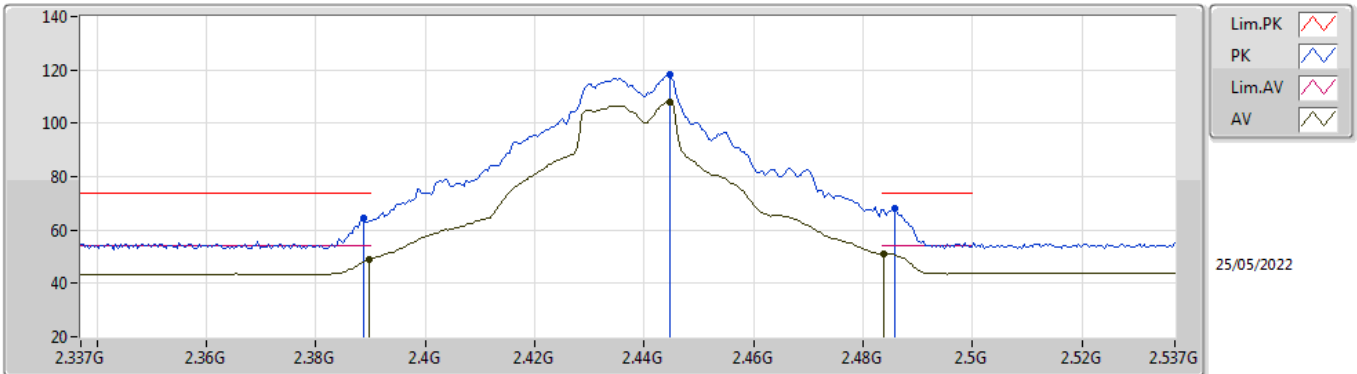


EUT_X_4TX
Setting 21
06-F-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	69.83	74.00	-4.17	38.46	3	Horizontal	360	2.82	-	27.48	3.89	-
AV	2.3898G	51.26	54.00	-2.74	19.89	3	Horizontal	360	2.82	-	27.48	3.89	-
PK	2.423G	118.41	Inf	-Inf	87.20	3	Horizontal	360	2.82	-	27.31	3.90	-
AV	2.4234G	108.43	Inf	-Inf	77.22	3	Horizontal	360	2.82	-	27.31	3.90	-
PK	2.485G	64.76	74.00	-9.24	33.58	3	Horizontal	360	2.82	-	27.27	3.91	-
AV	2.4835G	48.31	54.00	-5.69	17.13	3	Horizontal	360	2.82	-	27.27	3.91	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

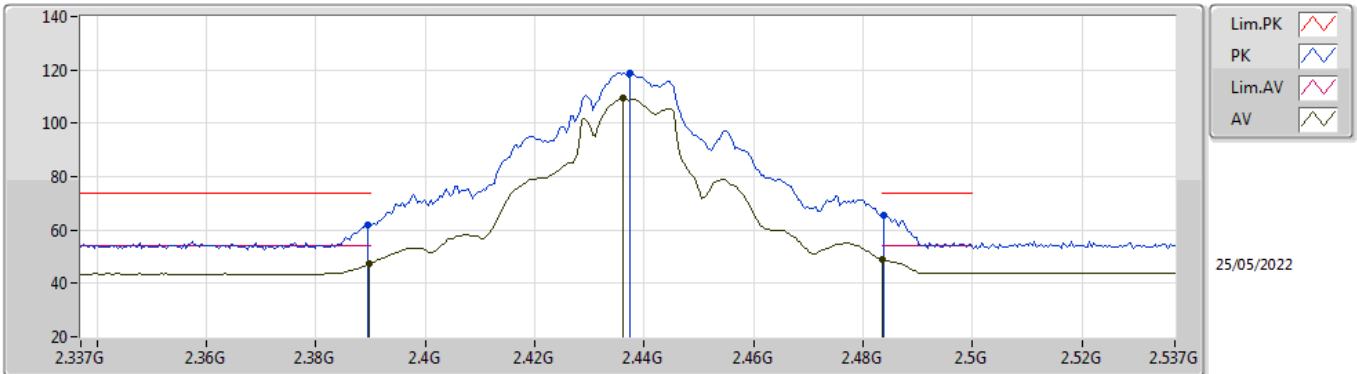


EUT_X_4TX
Setting 27
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	64.50	74.00	-9.50	33.33	3	Vertical	230	2.52	-	28.38	2.79	-
AV	2.3898G	49.20	54.00	-4.80	18.03	3	Vertical	230	2.52	-	28.38	2.79	-
PK	2.4446G	118.16	Inf	-Inf	86.92	3	Vertical	230	2.52	-	28.40	2.84	-
AV	2.4446G	108.08	Inf	-Inf	76.84	3	Vertical	230	2.52	-	28.40	2.84	-
PK	2.4858G	67.89	74.00	-6.11	36.46	3	Vertical	230	2.52	-	28.54	2.89	-
AV	2.4838G	50.99	54.00	-3.01	19.57	3	Vertical	230	2.52	-	28.54	2.88	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

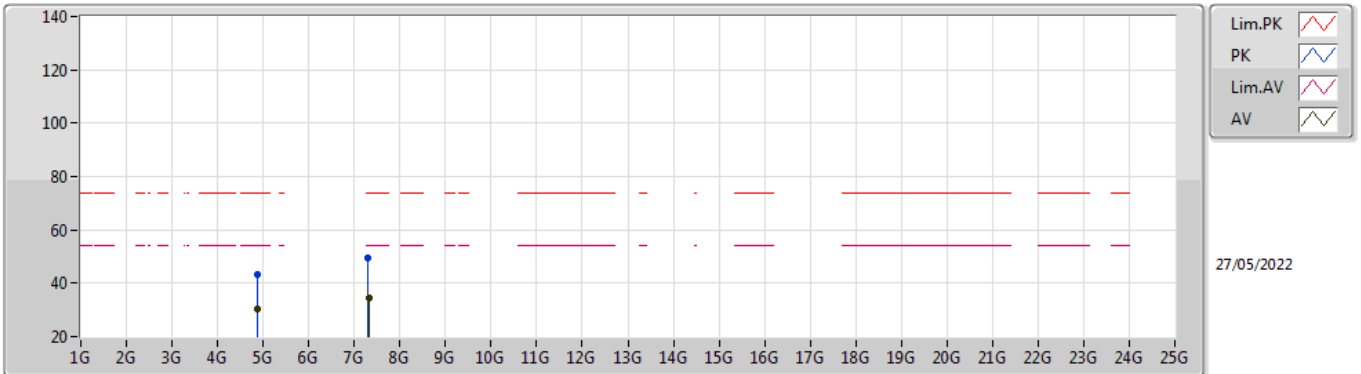


EUT_X_4TX
Setting 27
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	62.15	74.00	-11.85	30.98	3	Horizontal	163	1.79	-	28.38	2.79	-
AV	2.3898G	47.16	54.00	-6.84	15.99	3	Horizontal	163	1.79	-	28.38	2.79	-
PK	2.4374G	118.73	Inf	-Inf	87.49	3	Horizontal	163	1.79	-	28.40	2.84	-
AV	2.4362G	109.24	Inf	-Inf	78.00	3	Horizontal	163	1.79	-	28.40	2.84	-
PK	2.4838G	65.29	74.00	-8.71	33.87	3	Horizontal	163	1.79	-	28.54	2.88	-
AV	2.4835G	48.76	54.00	-5.24	17.35	3	Horizontal	163	1.79	-	28.53	2.88	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

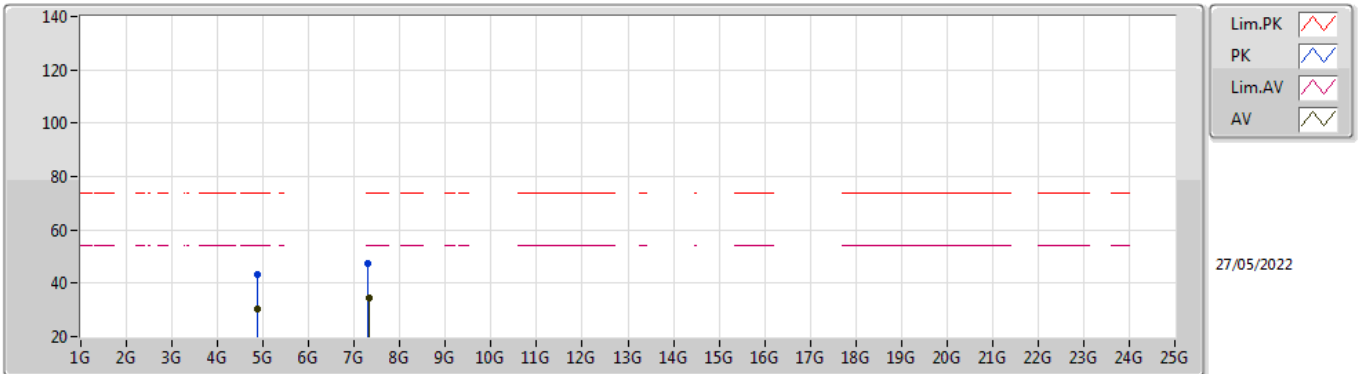


EUT_X_4TX
Setting 27
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.88564G	43.36	74.00	-30.64	37.29	3	Vertical	1	2.28	-	33.17	5.10	32.20
AV	4.8749G	30.43	54.00	-23.57	24.39	3	Vertical	1	2.28	-	33.15	5.10	32.21
PK	7.30398G	49.69	74.00	-24.31	39.94	3	Vertical	250	2.51	-	36.41	6.15	32.81
AV	7.3185G	34.58	54.00	-19.42	24.81	3	Vertical	250	2.51	-	36.44	6.16	32.83

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

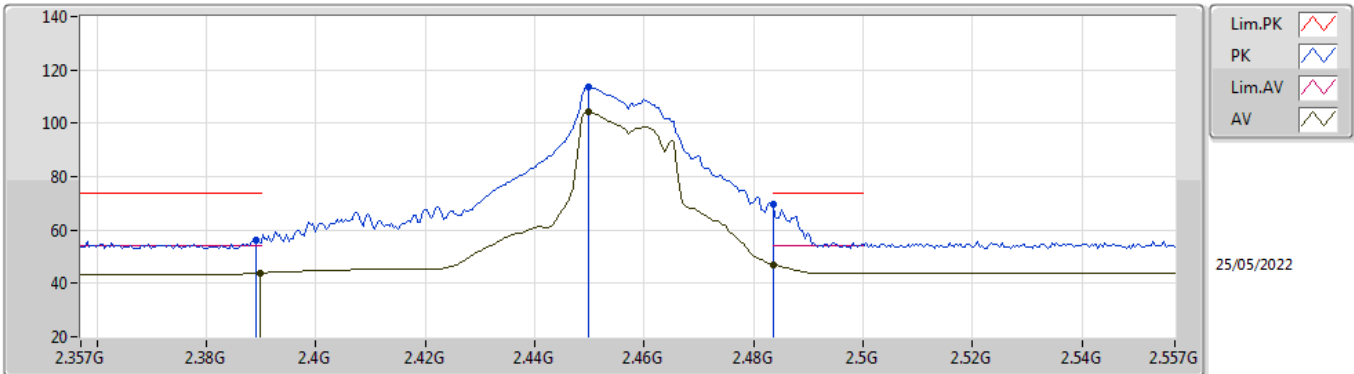


EUT_X_4TX
Setting 27
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.86458G	43.37	74.00	-30.63	37.35	3	Horizontal	8	1.54	-	33.13	5.10	32.21
AV	4.8761G	30.58	54.00	-23.42	24.53	3	Horizontal	8	1.54	-	33.15	5.10	32.20
PK	7.30284G	47.61	74.00	-26.39	37.86	3	Horizontal	355	2.12	-	36.41	6.15	32.81
AV	7.32372G	34.56	54.00	-19.44	24.79	3	Horizontal	355	2.12	-	36.45	6.16	32.84

802.11g_Nss1,(6Mbps)_4TX

2457MHz_TX

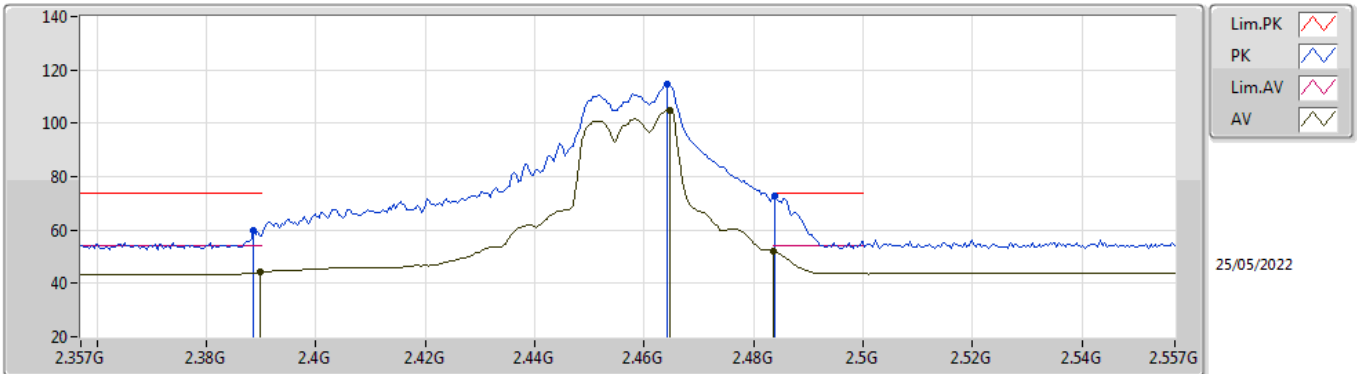


EUT_X_4TX
Setting 19
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	55.97	74.00	-18.03	24.80	3	Vertical	270	1.65	-	28.38	2.79	-
AV	2.3898G	43.92	54.00	-10.08	12.75	3	Vertical	270	1.65	-	28.38	2.79	-
PK	2.4498G	113.80	Inf	-Inf	82.55	3	Vertical	270	1.65	-	28.40	2.85	-
AV	2.4498G	104.06	Inf	-Inf	72.81	3	Vertical	270	1.65	-	28.40	2.85	-
PK	2.4835G	69.44	74.00	-4.56	38.03	3	Vertical	270	1.65	-	28.53	2.88	-
AV	2.4835G	47.10	54.00	-6.90	15.69	3	Vertical	270	1.65	-	28.53	2.88	-

802.11g_Nss1,(6Mbps)_4TX

2457MHz_TX

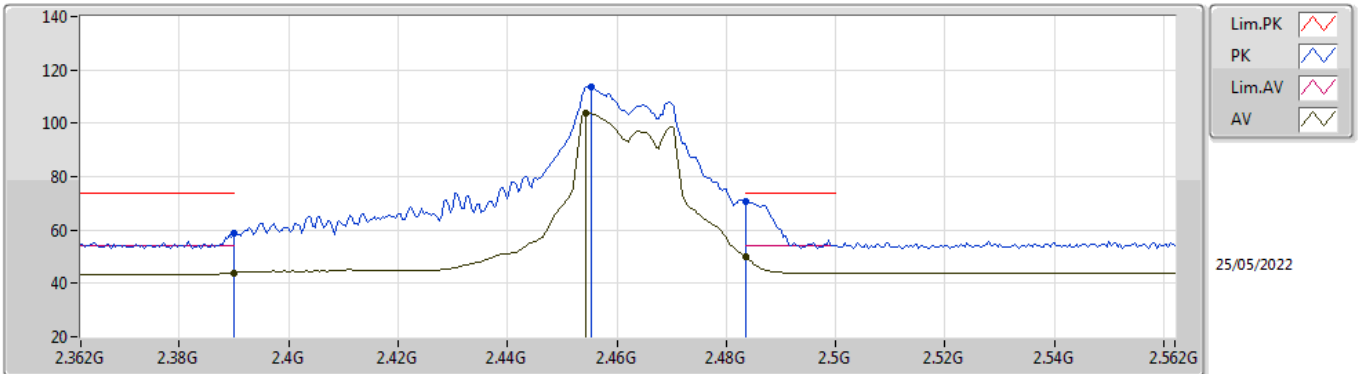


EUT_X_4TX
Setting 19
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	59.95	74.00	-14.05	28.78	3	Horizontal	8	1.74	-	28.38	2.79	-
AV	2.3898G	44.17	54.00	-9.83	13.00	3	Horizontal	8	1.74	-	28.38	2.79	-
PK	2.4642G	114.71	Inf	-Inf	83.39	3	Horizontal	8	1.74	-	28.46	2.86	-
AV	2.4646G	104.82	Inf	-Inf	73.50	3	Horizontal	8	1.74	-	28.46	2.86	-
PK	2.4838G	72.55	74.00	-1.45	41.13	3	Horizontal	8	1.74	-	28.54	2.88	-
AV	2.4835G	51.83	54.00	-2.17	20.42	3	Horizontal	8	1.74	-	28.53	2.88	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

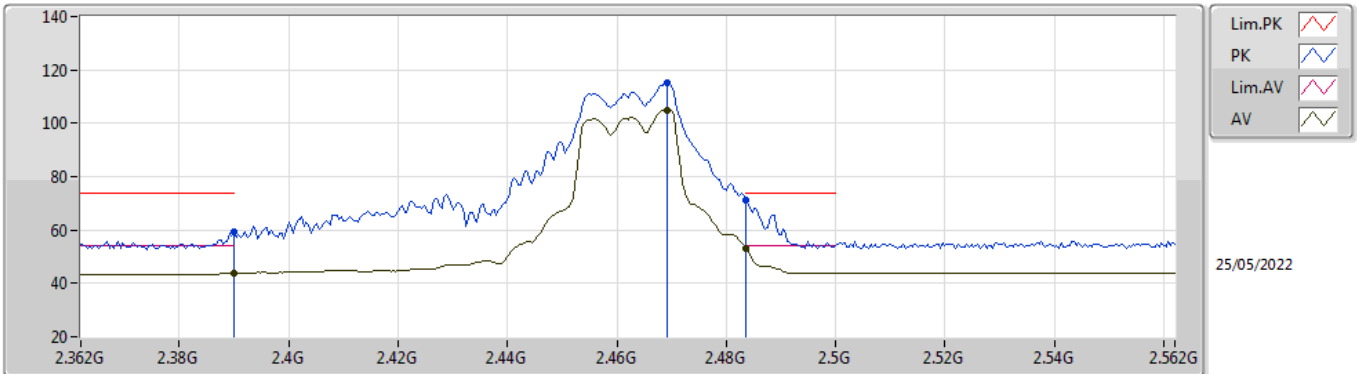


EUT_X_4TX
Setting 19
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	58.78	74.00	-15.22	27.61	3	Vertical	267	2.66	-	28.38	2.79	-
AV	2.39G	43.98	54.00	-10.02	12.81	3	Vertical	267	2.66	-	28.38	2.79	-
PK	2.4552G	113.77	Inf	-Inf	82.49	3	Vertical	267	2.66	-	28.42	2.86	-
AV	2.4544G	103.98	Inf	-Inf	72.71	3	Vertical	267	2.66	-	28.42	2.85	-
PK	2.4835G	70.47	74.00	-3.53	39.06	3	Vertical	267	2.66	-	28.53	2.88	-
AV	2.4835G	49.85	54.00	-4.15	18.44	3	Vertical	267	2.66	-	28.53	2.88	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

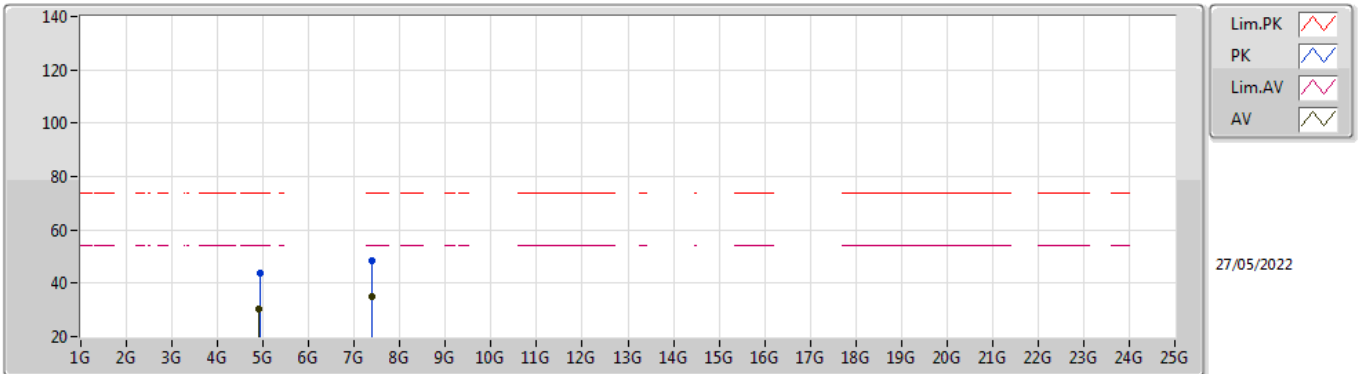


EUT_X_4TX
Setting 19
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	59.19	74.00	-14.81	28.02	3	Horizontal	8	2.07	-	28.38	2.79	-
AV	2.39G	43.89	54.00	-10.11	12.72	3	Horizontal	8	2.07	-	28.38	2.79	-
PK	2.4692G	115.41	Inf	-Inf	84.06	3	Horizontal	8	2.07	-	28.48	2.87	-
AV	2.4692G	105.02	Inf	-Inf	73.67	3	Horizontal	8	2.07	-	28.48	2.87	-
PK	2.4835G	71.34	74.00	-2.66	39.93	3	Horizontal	8	2.07	-	28.53	2.88	-
AV	2.4835G	53.19	54.00	-0.81	21.78	3	Horizontal	8	2.07	-	28.53	2.88	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

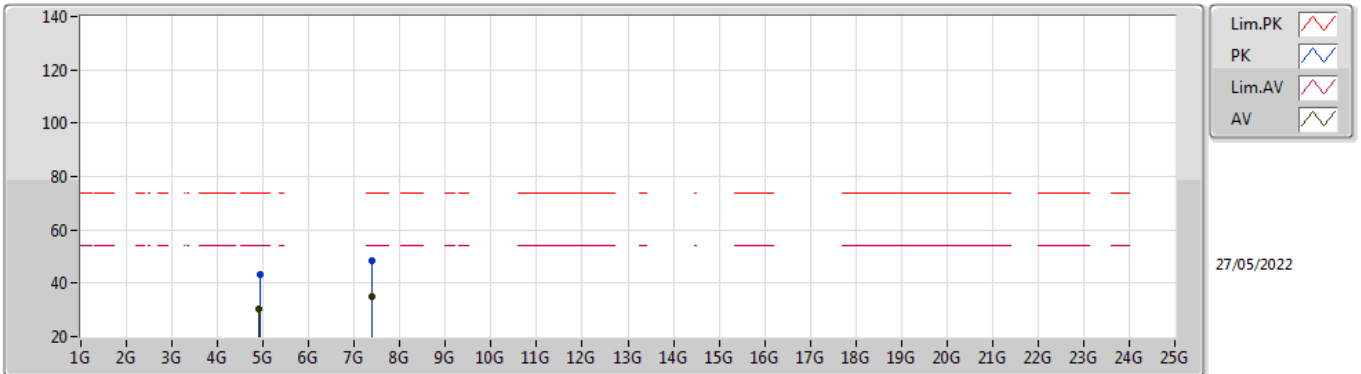


EUT_X_4TX
Setting 19
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92478G	43.56	74.00	-30.44	37.40	3	Vertical	12	1.74	-	33.25	5.10	32.19
AV	4.90906G	30.12	54.00	-23.88	23.99	3	Vertical	12	1.74	-	33.22	5.10	32.19
PK	7.39866G	48.46	74.00	-25.54	38.73	3	Vertical	176	2.52	-	36.50	6.20	32.97
AV	7.3971G	35.00	54.00	-19.00	25.27	3	Vertical	176	2.52	-	36.50	6.20	32.97

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

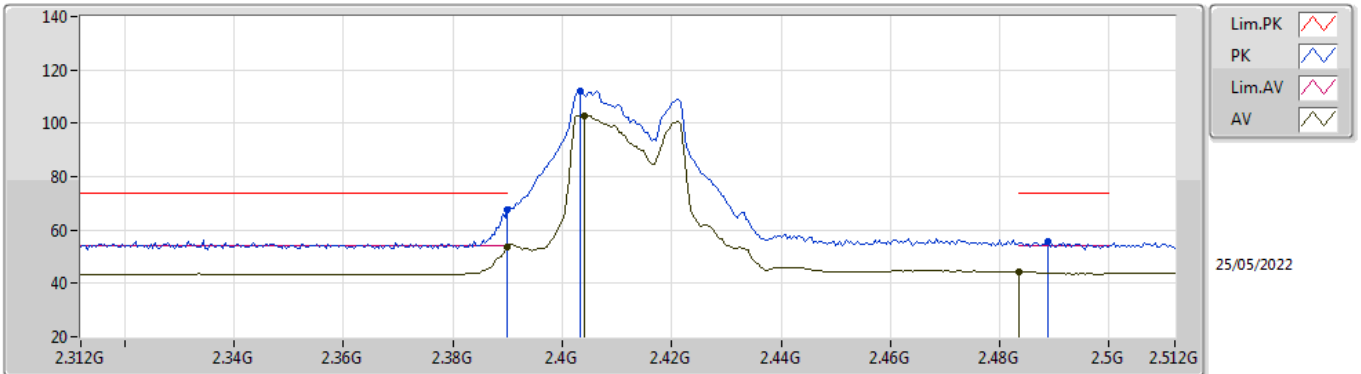


EUT_X_4TX
Setting 19
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92808G	43.30	74.00	-30.70	37.13	3	Horizontal	223	2.50	-	33.26	5.10	32.19
AV	4.90918G	30.18	54.00	-23.82	24.05	3	Horizontal	223	2.50	-	33.22	5.10	32.19
PK	7.3734G	48.39	74.00	-25.61	38.63	3	Horizontal	215	2.05	-	36.50	6.19	32.93
AV	7.39692G	35.04	54.00	-18.96	25.31	3	Horizontal	215	2.05	-	36.50	6.20	32.97

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

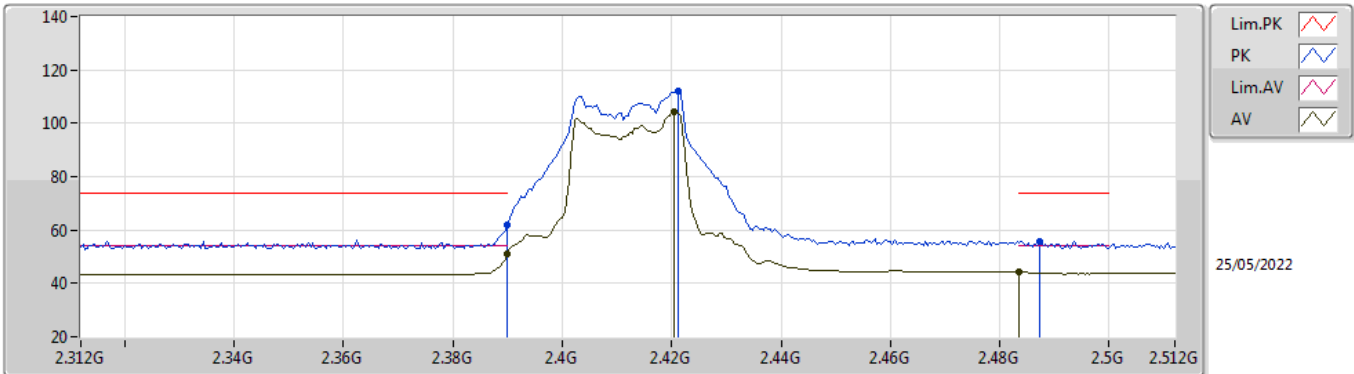


EUT X_4TX
Setting 17.5
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	67.47	74.00	-6.53	36.30	3	Vertical	256	2.01	-	28.38	2.79	-
AV	2.39G	53.46	54.00	-0.54	22.29	3	Vertical	256	2.01	-	28.38	2.79	-
PK	2.4032G	112.26	Inf	-Inf	81.06	3	Vertical	256	2.01	-	28.40	2.80	-
AV	2.404G	102.98	Inf	-Inf	71.78	3	Vertical	256	2.01	-	28.40	2.80	-
PK	2.4888G	55.77	74.00	-18.23	24.32	3	Vertical	256	2.01	-	28.56	2.89	-
AV	2.4835G	44.38	54.00	-9.62	12.97	3	Vertical	256	2.01	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

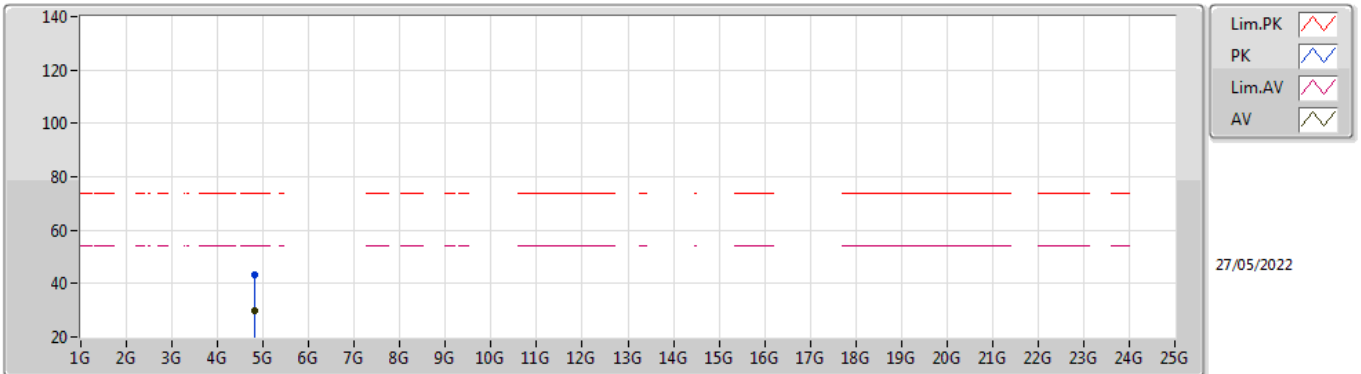


EUT X_4TX
Setting 17.5
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	61.94	74.00	-12.06	30.77	3	Horizontal	209	2.13	-	28.38	2.79	-
AV	2.39G	50.93	54.00	-3.07	19.76	3	Horizontal	209	2.13	-	28.38	2.79	-
PK	2.4212G	112.09	Inf	-Inf	80.87	3	Horizontal	209	2.13	-	28.40	2.82	-
AV	2.4204G	104.10	Inf	-Inf	72.88	3	Horizontal	209	2.13	-	28.40	2.82	-
PK	2.4872G	55.71	74.00	-18.29	24.27	3	Horizontal	209	2.13	-	28.55	2.89	-
AV	2.4835G	44.28	54.00	-9.72	12.87	3	Horizontal	209	2.13	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

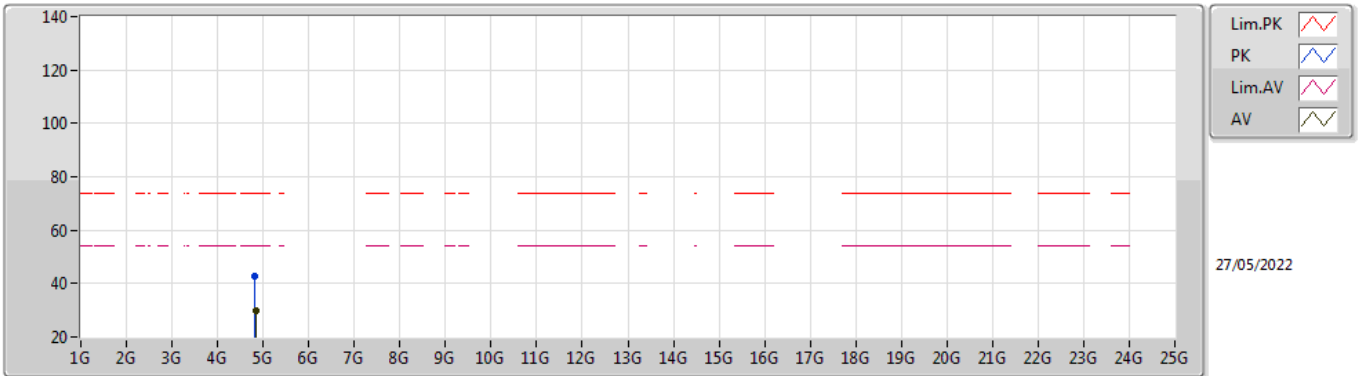


EUT X_4TX
Setting 17.5
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.81734G	43.05	74.00	-30.95	37.28	3	Vertical	143	1.76	-	32.90	5.10	32.23
AV	4.81524G	29.88	54.00	-24.12	24.12	3	Vertical	143	1.76	-	32.89	5.10	32.23

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

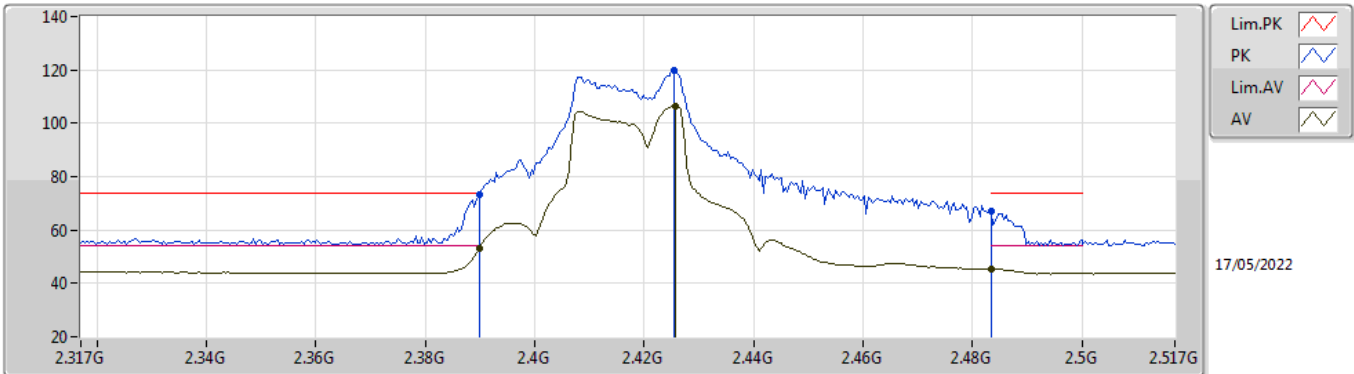


EUT X_4TX
Setting 17.5
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.81458G	43.00	74.00	-31.00	37.24	3	Horizontal	347	2.41	-	32.89	5.10	32.23	
AV	4.8342G	29.89	54.00	-24.11	24.00	3	Horizontal	347	2.41	-	33.01	5.10	32.22	

802.11ax HEW20_Nss1,(MCS0)_4TX

2417MHz_TX

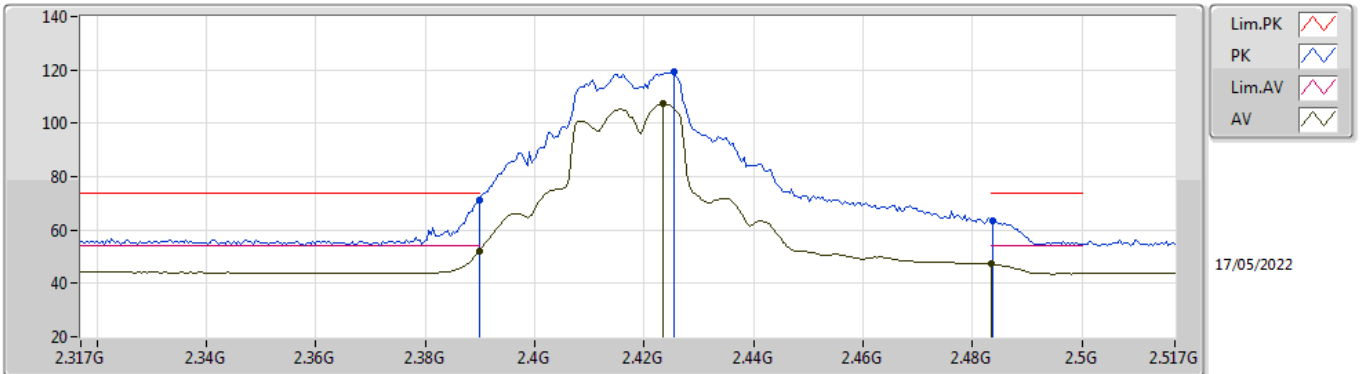


EUT_X_4TX
Setting 20
06-F-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	73.24	74.00	-0.76	41.87	3	Vertical	250	2.80	-	27.48	3.89	-
AV	2.3898G	53.03	54.00	-0.97	21.66	3	Vertical	250	2.80	-	27.48	3.89	-
PK	2.4254G	120.07	Inf	-Inf	88.87	3	Vertical	250	2.80	-	27.30	3.90	-
AV	2.4258G	106.61	Inf	-Inf	75.41	3	Vertical	250	2.80	-	27.30	3.90	-
PK	2.4835G	67.20	74.00	-6.80	36.02	3	Vertical	250	2.80	-	27.27	3.91	-
AV	2.4835G	45.25	54.00	-8.75	14.07	3	Vertical	250	2.80	-	27.27	3.91	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2417MHz_TX

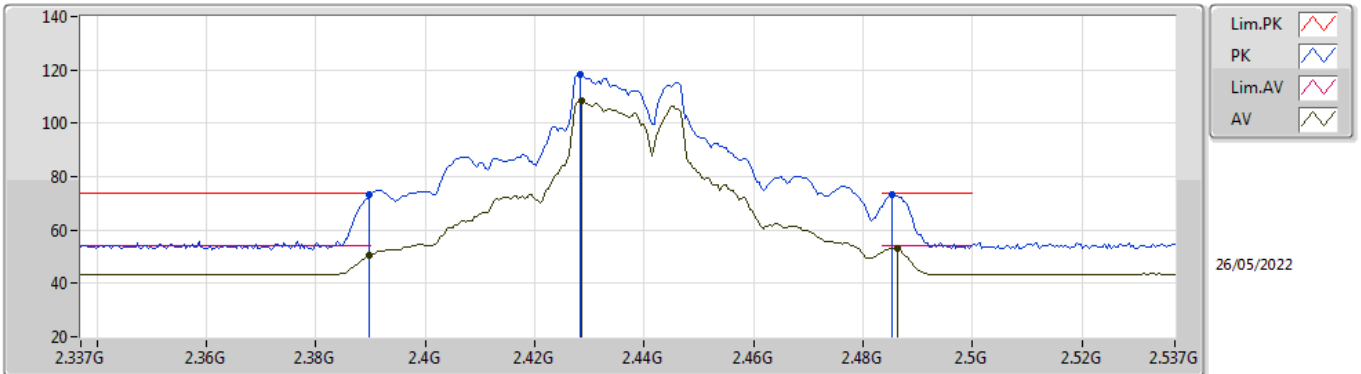


EUT_X_4TX
Setting 20
06-F-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	71.11	74.00	-2.89	39.74	3	Horizontal	360	2.56	-	27.48	3.89	-
AV	2.3898G	51.94	54.00	-2.06	20.57	3	Horizontal	360	2.56	-	27.48	3.89	-
PK	2.4254G	119.12	Inf	-Inf	87.92	3	Horizontal	360	2.56	-	27.30	3.90	-
AV	2.4234G	107.23	Inf	-Inf	76.02	3	Horizontal	360	2.56	-	27.31	3.90	-
PK	2.4838G	63.39	74.00	-10.61	32.21	3	Horizontal	360	2.56	-	27.27	3.91	-
AV	2.4835G	47.23	54.00	-6.77	16.05	3	Horizontal	360	2.56	-	27.27	3.91	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

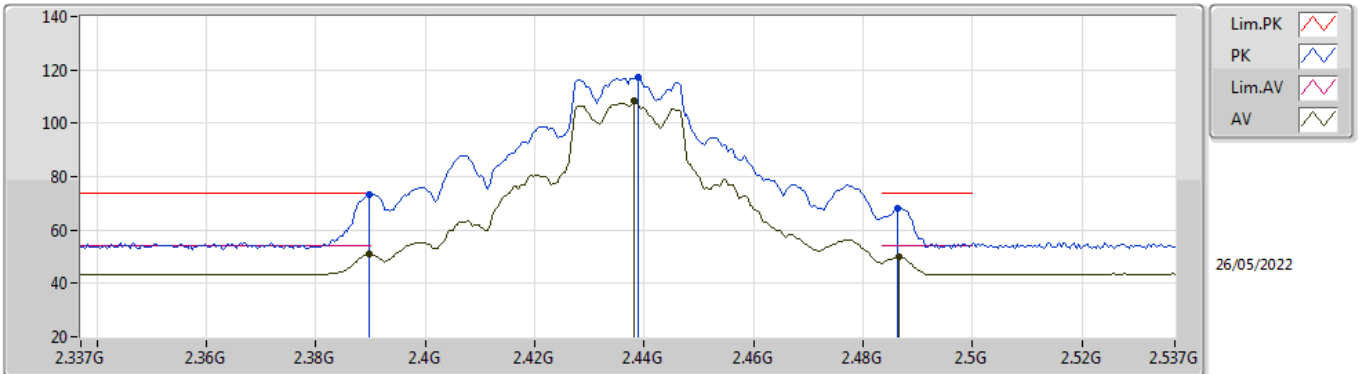


EUT_X_4TX
Setting 26.5
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	73.20	74.00	-0.80	42.03	3	Vertical	239	2.22	-	28.38	2.79	-
AV	2.3898G	50.53	54.00	-3.47	19.36	3	Vertical	239	2.22	-	28.38	2.79	-
PK	2.4282G	118.09	Inf	-Inf	86.86	3	Vertical	239	2.22	-	28.40	2.83	-
AV	2.4286G	108.47	Inf	-Inf	77.24	3	Vertical	239	2.22	-	28.40	2.83	-
PK	2.4854G	73.08	74.00	-0.92	41.65	3	Vertical	239	2.22	-	28.54	2.89	-
AV	2.4862G	53.02	54.00	-0.98	21.59	3	Vertical	239	2.22	-	28.54	2.89	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

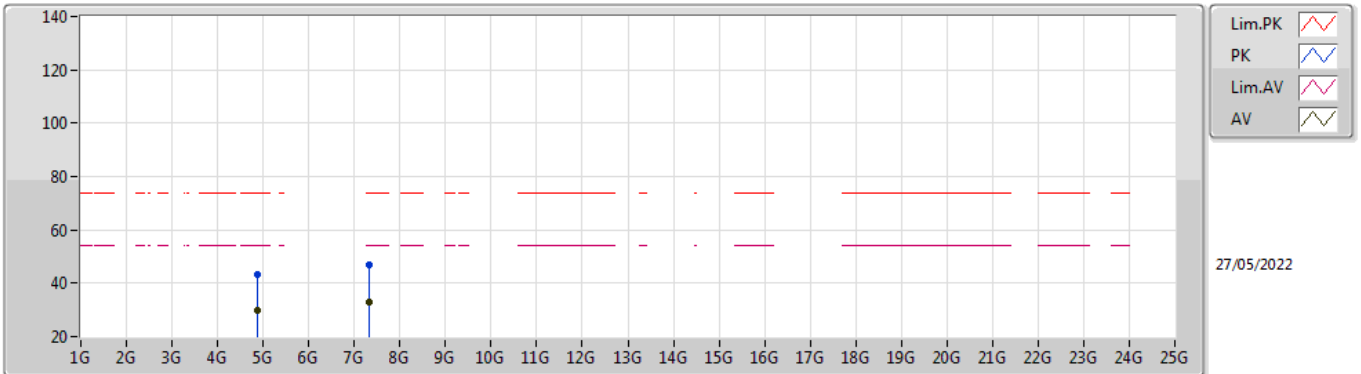


EUT_X_4TX
Setting 26.5
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3898G	73.34	74.00	-0.66	42.17	3	Horizontal	187	1.80	-	28.38	2.79	-	
AV	2.3898G	50.78	54.00	-3.22	19.61	3	Horizontal	187	1.80	-	28.38	2.79	-	
PK	2.439G	117.04	Inf	-Inf	85.80	3	Horizontal	187	1.80	-	28.40	2.84	-	
AV	2.4382G	108.28	Inf	-Inf	77.04	3	Horizontal	187	1.80	-	28.40	2.84	-	
PK	2.4862G	68.01	74.00	-5.99	36.58	3	Horizontal	187	1.80	-	28.54	2.89	-	
AV	2.4866G	50.03	54.00	-3.97	18.59	3	Horizontal	187	1.80	-	28.55	2.89	-	

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

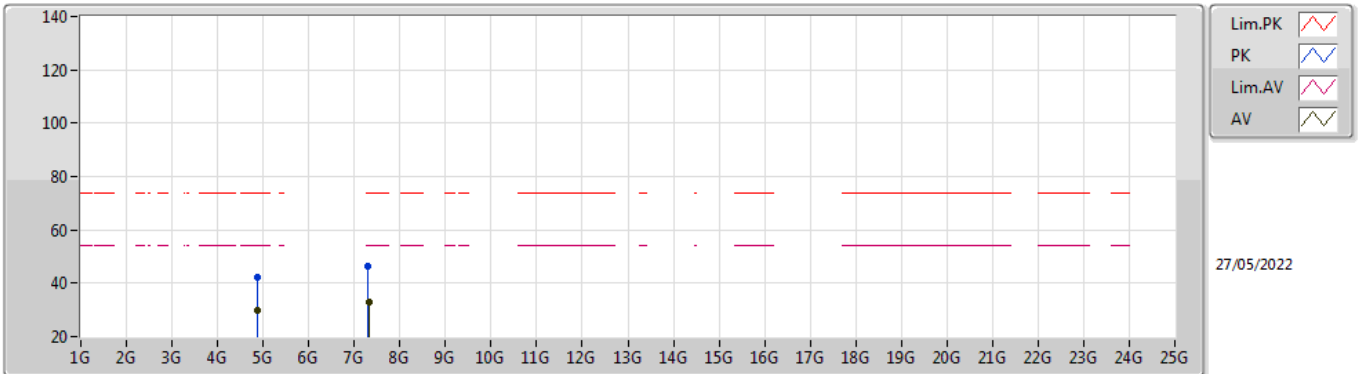


EUT_X_4TX
Setting 26.5
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87496G	43.40	74.00	-30.60	38.30	3	Vertical	60	2.78	-	33.15	4.16	32.21
AV	4.87496G	29.62	54.00	-24.38	24.52	3	Vertical	60	2.78	-	33.15	4.16	32.21
PK	7.32162G	46.91	74.00	-27.09	38.49	3	Vertical	175	1.51	-	36.44	4.82	32.84
AV	7.32468G	33.11	54.00	-20.89	24.68	3	Vertical	175	1.51	-	36.45	4.82	32.84

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

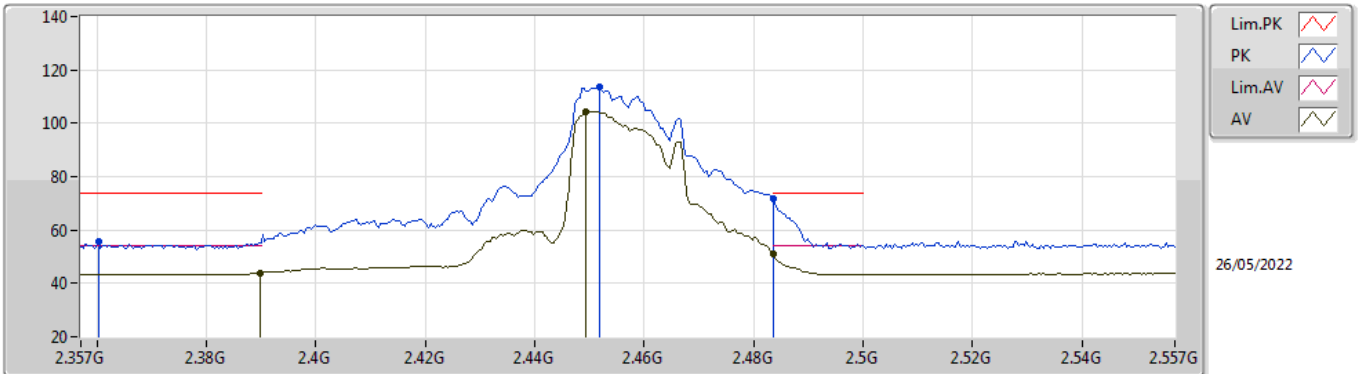


EUT_X_4TX
Setting 26.5
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87826G	42.37	74.00	-31.63	37.25	3	Horizontal	122	1.13	-	33.16	4.16	32.20
AV	4.87802G	29.61	54.00	-24.39	24.49	3	Horizontal	122	1.13	-	33.16	4.16	32.20
PK	7.2963G	46.15	74.00	-27.85	37.76	3	Horizontal	209	2.26	-	36.39	4.80	32.80
AV	7.31964G	33.06	54.00	-20.94	24.64	3	Horizontal	209	2.26	-	36.44	4.82	32.84

802.11ax HEW20_Nss1,(MCS0)_4TX

2457MHz_TX

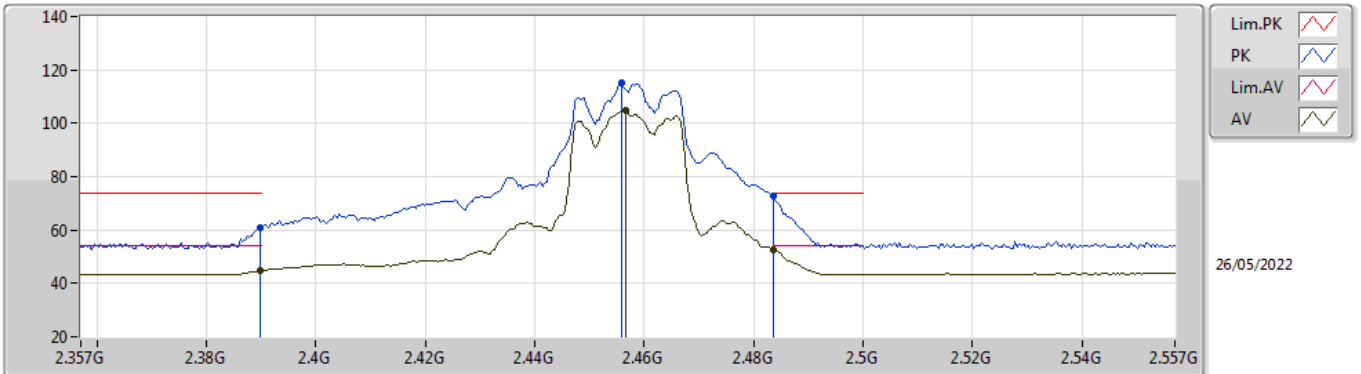


EUT_X_4TX
Setting 19
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3602G	55.53	74.00	-18.47	24.43	3	Vertical	210	1.19	-	28.32	2.78	-	
AV	2.3898G	43.86	54.00	-10.14	12.69	3	Vertical	210	1.19	-	28.38	2.79	-	
PK	2.4518G	113.77	Inf	-Inf	82.51	3	Vertical	210	1.19	-	28.41	2.85	-	
AV	2.4494G	104.51	Inf	-Inf	73.26	3	Vertical	210	1.19	-	28.40	2.85	-	
PK	2.4835G	71.54	74.00	-2.46	40.13	3	Vertical	210	1.19	-	28.53	2.88	-	
AV	2.4835G	51.10	54.00	-2.90	19.69	3	Vertical	210	1.19	-	28.53	2.88	-	

802.11ax HEW20_Nss1,(MCS0)_4TX

2457MHz_TX

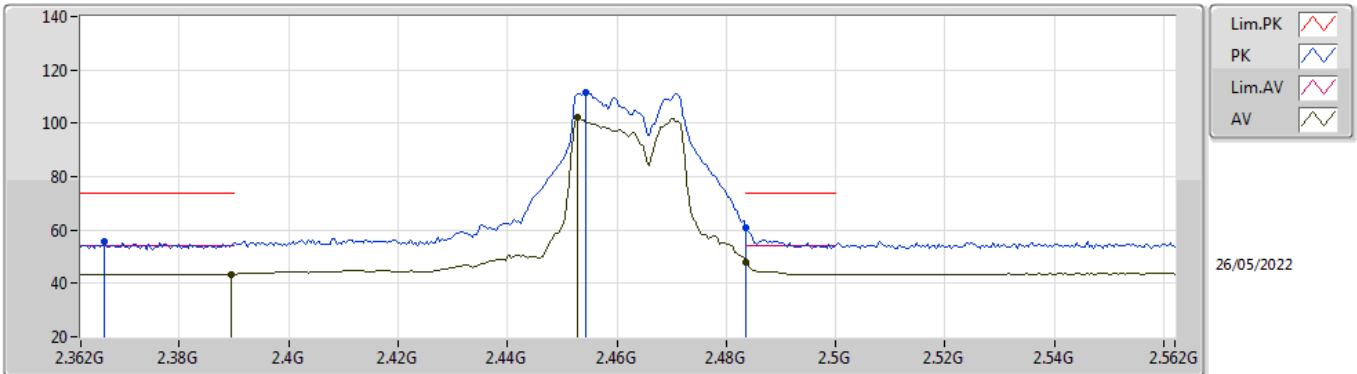


EUT_X_4TX
Setting 19
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	60.64	74.00	-13.36	29.47	3	Horizontal	160	2.07	-	28.38	2.79	-
AV	2.3898G	44.84	54.00	-9.16	13.67	3	Horizontal	160	2.07	-	28.38	2.79	-
PK	2.4558G	115.13	Inf	-Inf	83.85	3	Horizontal	160	2.07	-	28.42	2.86	-
AV	2.4566G	104.70	Inf	-Inf	73.41	3	Horizontal	160	2.07	-	28.43	2.86	-
PK	2.4835G	72.98	74.00	-1.02	41.57	3	Horizontal	160	2.07	-	28.53	2.88	-
AV	2.4835G	52.83	54.00	-1.17	21.42	3	Horizontal	160	2.07	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

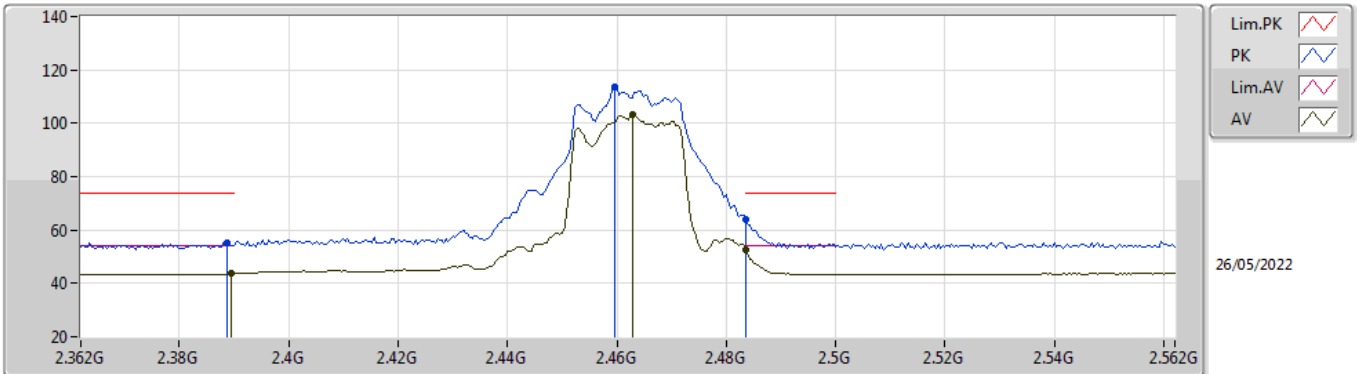


EUT_X_4TX
Setting 17
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3664G	55.53	74.00	-18.47	24.42	3	Vertical	251	2.53	-	28.33	2.78	-
AV	2.3896G	43.47	54.00	-10.53	12.30	3	Vertical	251	2.53	-	28.38	2.79	-
PK	2.4544G	111.39	Inf	-Inf	80.12	3	Vertical	251	2.53	-	28.42	2.85	-
AV	2.4528G	102.04	Inf	-Inf	70.78	3	Vertical	251	2.53	-	28.41	2.85	-
PK	2.4835G	60.79	74.00	-13.21	29.38	3	Vertical	251	2.53	-	28.53	2.88	-
AV	2.4835G	48.13	54.00	-5.87	16.72	3	Vertical	251	2.53	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

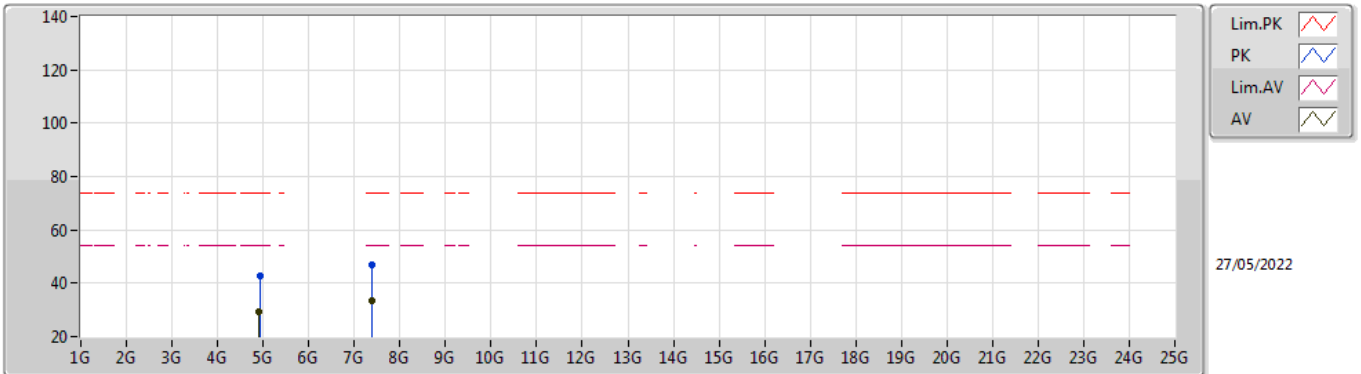


EUT_X_4TX
Setting 17
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3888G	55.35	74.00	-18.65	24.18	3	Horizontal	159	2.19	-	28.38	2.79	-
AV	2.3896G	43.69	54.00	-10.31	12.52	3	Horizontal	159	2.19	-	28.38	2.79	-
PK	2.4596G	113.41	Inf	-Inf	82.11	3	Horizontal	159	2.19	-	28.44	2.86	-
AV	2.4628G	103.05	Inf	-Inf	71.74	3	Horizontal	159	2.19	-	28.45	2.86	-
PK	2.4835G	64.20	74.00	-9.80	32.79	3	Horizontal	159	2.19	-	28.53	2.88	-
AV	2.4835G	52.53	54.00	-1.47	21.12	3	Horizontal	159	2.19	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

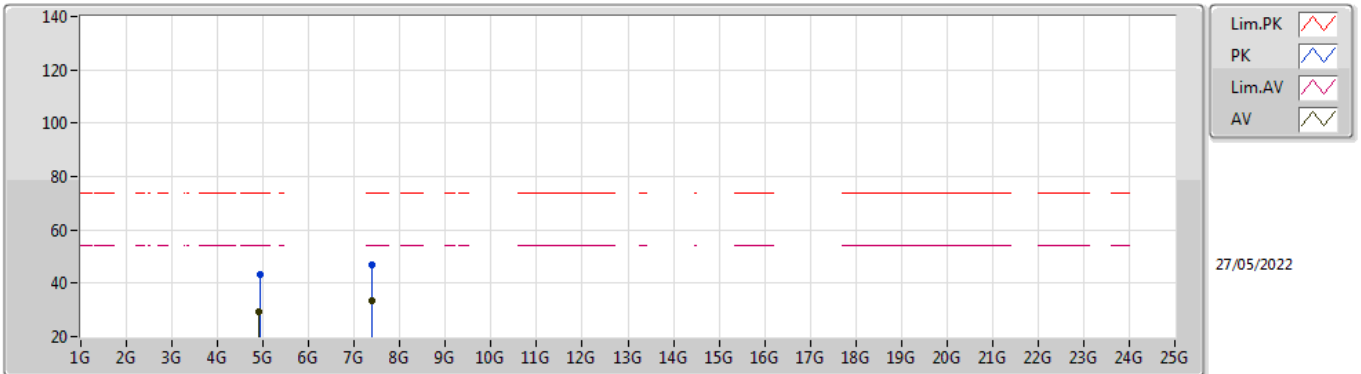


EUT_X_4TX
Setting 17
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9213G	42.89	74.00	-31.11	37.70	3	Vertical	352	1.56	-	33.24	4.14	32.19
AV	4.91398G	29.11	54.00	-24.89	23.93	3	Vertical	352	1.56	-	33.23	4.14	32.19
PK	7.40076G	46.87	74.00	-27.13	38.45	3	Vertical	29	1.48	-	36.50	4.90	32.98
AV	7.39644G	33.68	54.00	-20.32	25.25	3	Vertical	29	1.48	-	36.50	4.90	32.97

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

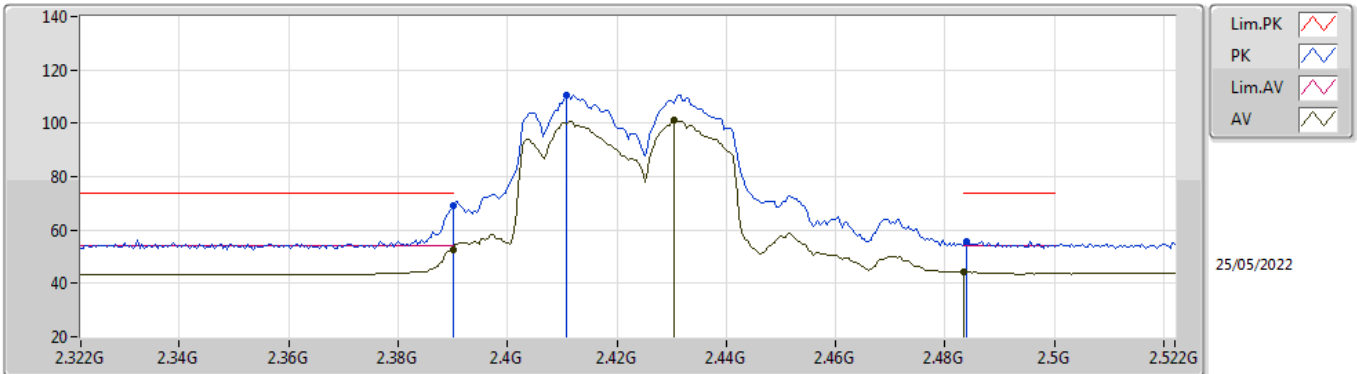


EUT_X_4TX
Setting 17
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92316G	43.13	74.00	-30.87	37.93	3	Horizontal	136	1.30	-	33.25	4.14	32.19
AV	4.91416G	29.12	54.00	-24.88	23.94	3	Horizontal	136	1.30	-	33.23	4.14	32.19
PK	7.3722G	47.10	74.00	-26.90	38.66	3	Horizontal	239	1.82	-	36.50	4.87	32.93
AV	7.39638G	33.61	54.00	-20.39	25.18	3	Horizontal	239	1.82	-	36.50	4.90	32.97

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

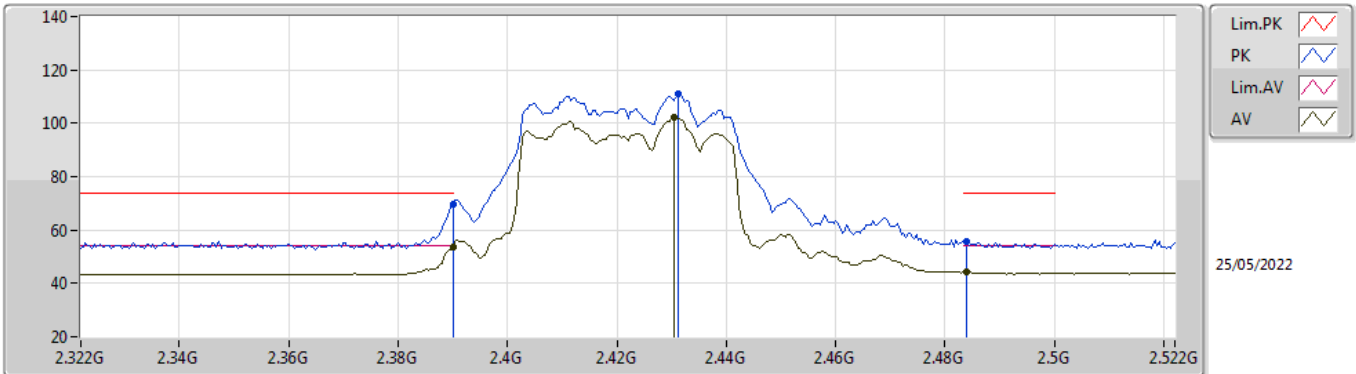


EUT_X_4TX
Setting 17.5
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	68.94	74.00	-5.06	37.77	3	Vertical	257	2.85	-	28.38	2.79	-
AV	2.39G	52.69	54.00	-1.31	21.52	3	Vertical	257	2.85	-	28.38	2.79	-
PK	2.4108G	110.65	Inf	-Inf	79.44	3	Vertical	257	2.85	-	28.40	2.81	-
AV	2.4304G	101.13	Inf	-Inf	69.90	3	Vertical	257	2.85	-	28.40	2.83	-
PK	2.484G	55.75	74.00	-18.25	24.33	3	Vertical	257	2.85	-	28.54	2.88	-
AV	2.4835G	44.33	54.00	-9.67	12.92	3	Vertical	257	2.85	-	28.53	2.88	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

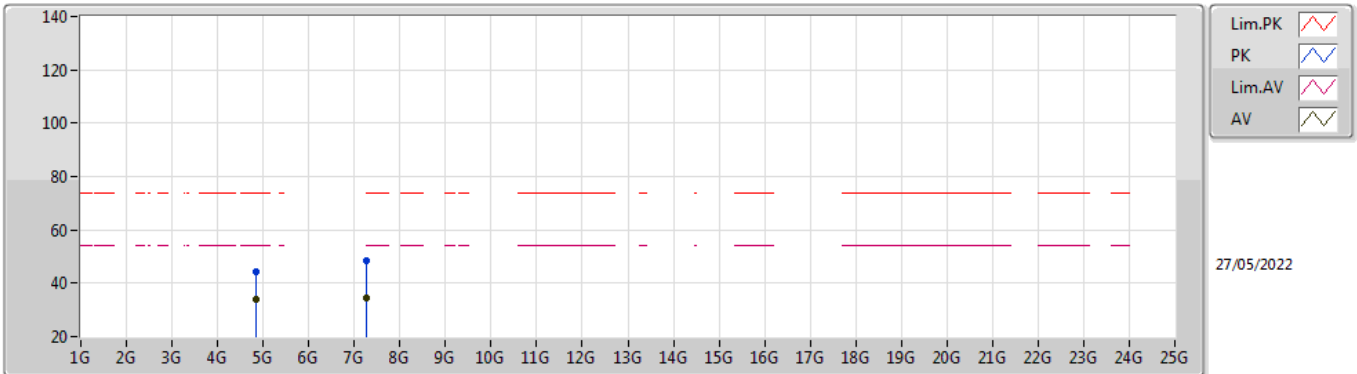


EUT X_4TX
Setting 17.5
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	69.63	74.00	-4.37	38.46	3	Horizontal	208	2.34	-	28.38	2.79	-
AV	2.39G	53.47	54.00	-0.53	22.30	3	Horizontal	208	2.34	-	28.38	2.79	-
PK	2.4312G	111.27	Inf	-Inf	80.04	3	Horizontal	208	2.34	-	28.40	2.83	-
AV	2.4304G	102.48	Inf	-Inf	71.25	3	Horizontal	208	2.34	-	28.40	2.83	-
PK	2.484G	55.45	74.00	-18.55	24.03	3	Horizontal	208	2.34	-	28.54	2.88	-
AV	2.484G	44.09	54.00	-9.91	12.67	3	Horizontal	208	2.34	-	28.54	2.88	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

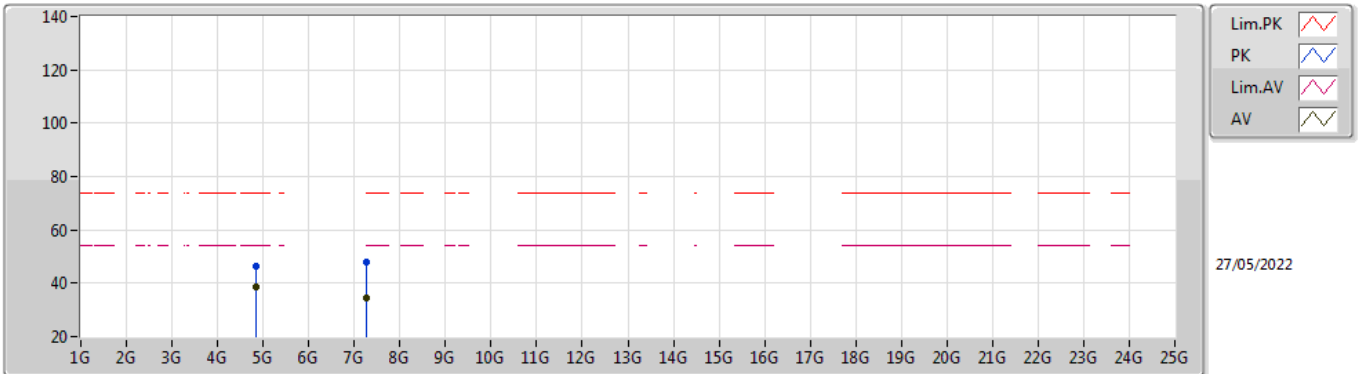


EUT_X_4TX
Setting 17.5
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8437G	44.34	74.00	-29.66	38.40	3	Vertical	-0	1.53	-	33.06	5.10	32.22
AV	4.8437G	33.92	54.00	-20.08	27.98	3	Vertical	-0	1.53	-	33.06	5.10	32.22
PK	7.2555G	48.41	74.00	-25.59	38.78	3	Vertical	294	2.97	-	36.22	6.13	32.72
AV	7.26804G	34.61	54.00	-19.39	24.96	3	Vertical	294	2.97	-	36.27	6.13	32.75

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

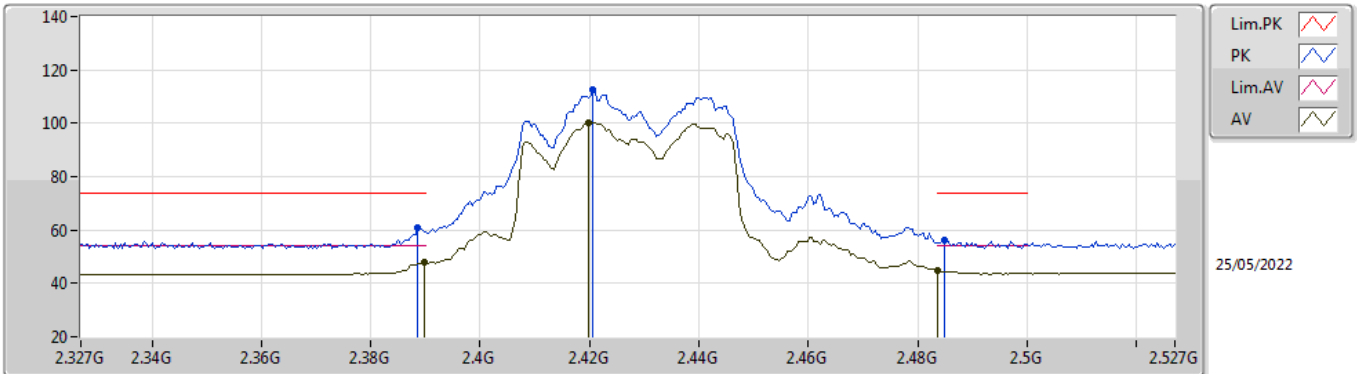


EUT_X_4TX
Setting 17.5
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.84364G	46.57	74.00	-27.43	40.63	3	Horizontal	128	2.06	-	33.06	5.10	32.22
AV	4.84364G	38.77	54.00	-15.23	32.83	3	Horizontal	128	2.06	-	33.06	5.10	32.22
PK	7.27272G	48.01	74.00	-25.99	38.33	3	Horizontal	86	2.94	-	36.29	6.14	32.75
AV	7.27188G	34.59	54.00	-19.41	24.91	3	Horizontal	86	2.94	-	36.29	6.14	32.75

802.11ax HEW40_Nss1,(MCS0)_4TX

2427MHz_TX

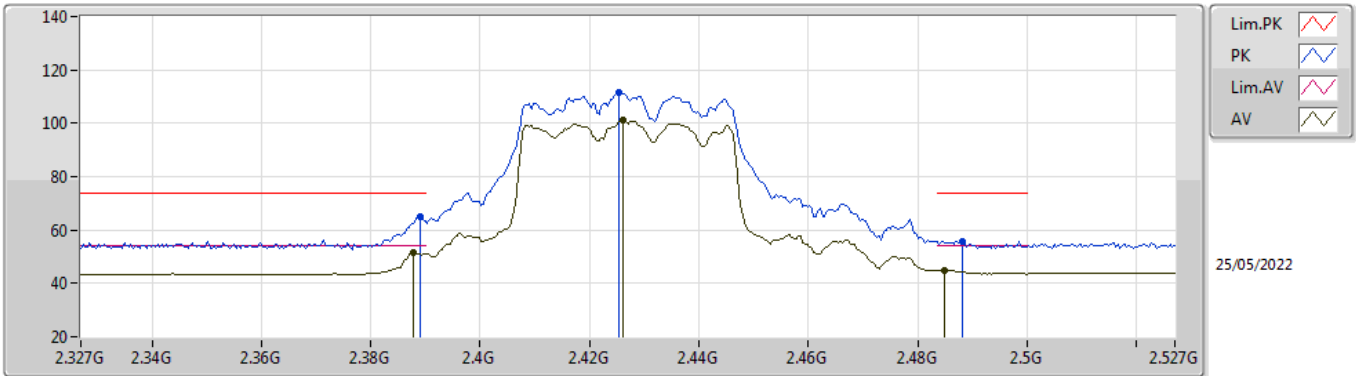


EUT X_4TX
Setting 17.5
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	60.71	74.00	-13.29	29.54	3	Vertical	212	1.10	-	28.38	2.79	-
AV	2.3898G	47.70	54.00	-6.30	16.53	3	Vertical	212	1.10	-	28.38	2.79	-
PK	2.4206G	112.80	Inf	-Inf	81.58	3	Vertical	212	1.10	-	28.40	2.82	-
AV	2.4198G	100.33	Inf	-Inf	69.11	3	Vertical	212	1.10	-	28.40	2.82	-
PK	2.485G	56.46	74.00	-17.54	25.03	3	Vertical	212	1.10	-	28.54	2.89	-
AV	2.4835G	44.66	54.00	-9.34	13.25	3	Vertical	212	1.10	-	28.53	2.88	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2427MHz_TX

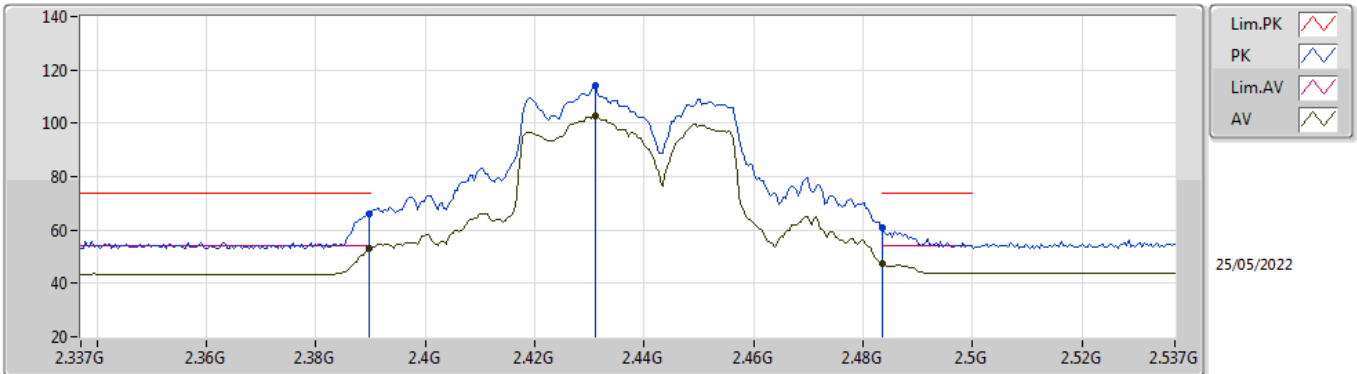


EUT X_4TX
Setting 17.5
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	65.09	74.00	-8.91	33.92	3	Horizontal	187	1.78	-	28.38	2.79	-
AV	2.3878G	51.78	54.00	-2.22	20.61	3	Horizontal	187	1.78	-	28.38	2.79	-
PK	2.4254G	111.63	Inf	-Inf	80.40	3	Horizontal	187	1.78	-	28.40	2.83	-
AV	2.4262G	100.96	Inf	-Inf	69.73	3	Horizontal	187	1.78	-	28.40	2.83	-
PK	2.4882G	55.89	74.00	-18.11	24.45	3	Horizontal	187	1.78	-	28.55	2.89	-
AV	2.485G	44.86	54.00	-9.14	13.43	3	Horizontal	187	1.78	-	28.54	2.89	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

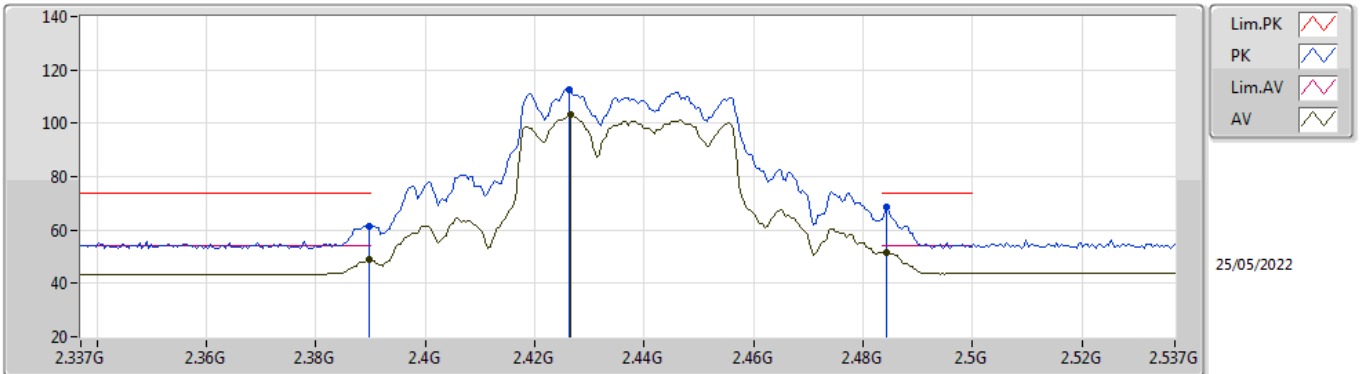


EUT X_4TX
Setting 20
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	66.28	74.00	-7.72	35.11	3	Vertical	212	1.14	-	28.38	2.79	-
AV	2.3898G	52.86	54.00	-1.14	21.69	3	Vertical	212	1.14	-	28.38	2.79	-
PK	2.431G	113.88	Inf	-Inf	82.65	3	Vertical	212	1.14	-	28.40	2.83	-
AV	2.431G	102.68	Inf	-Inf	71.45	3	Vertical	212	1.14	-	28.40	2.83	-
PK	2.4835G	61.08	74.00	-12.92	29.67	3	Vertical	212	1.14	-	28.53	2.88	-
AV	2.4835G	47.66	54.00	-6.34	16.25	3	Vertical	212	1.14	-	28.53	2.88	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

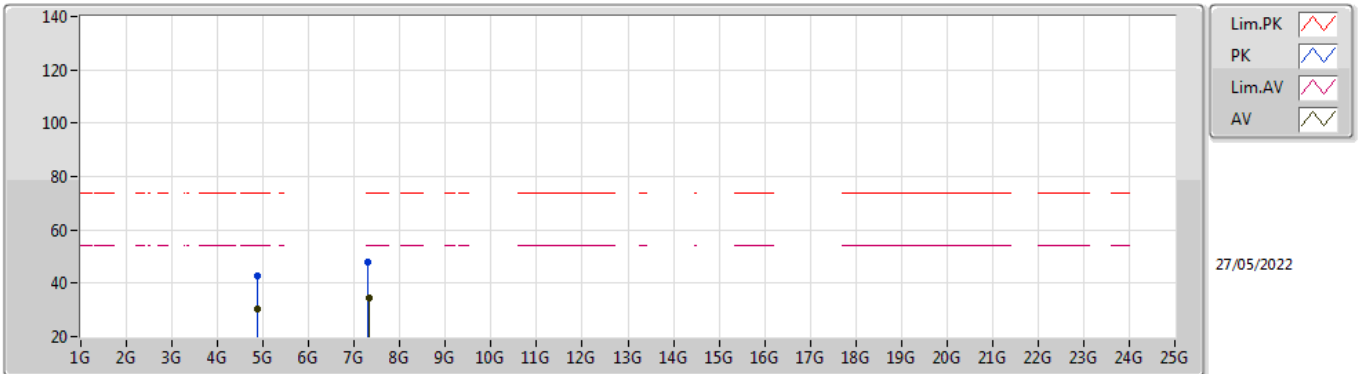


EUT X_4TX
Setting 20
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	61.55	74.00	-12.45	30.38	3	Horizontal	164	1.21	-	28.38	2.79	-
AV	2.3898G	48.78	54.00	-5.22	17.61	3	Horizontal	164	1.21	-	28.38	2.79	-
PK	2.4262G	112.79	Inf	-Inf	81.56	3	Horizontal	164	1.21	-	28.40	2.83	-
AV	2.4266G	103.34	Inf	-Inf	72.11	3	Horizontal	164	1.21	-	28.40	2.83	-
PK	2.4842G	68.58	74.00	-5.42	37.16	3	Horizontal	164	1.21	-	28.54	2.88	-
AV	2.4842G	51.78	54.00	-2.22	20.36	3	Horizontal	164	1.21	-	28.54	2.88	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

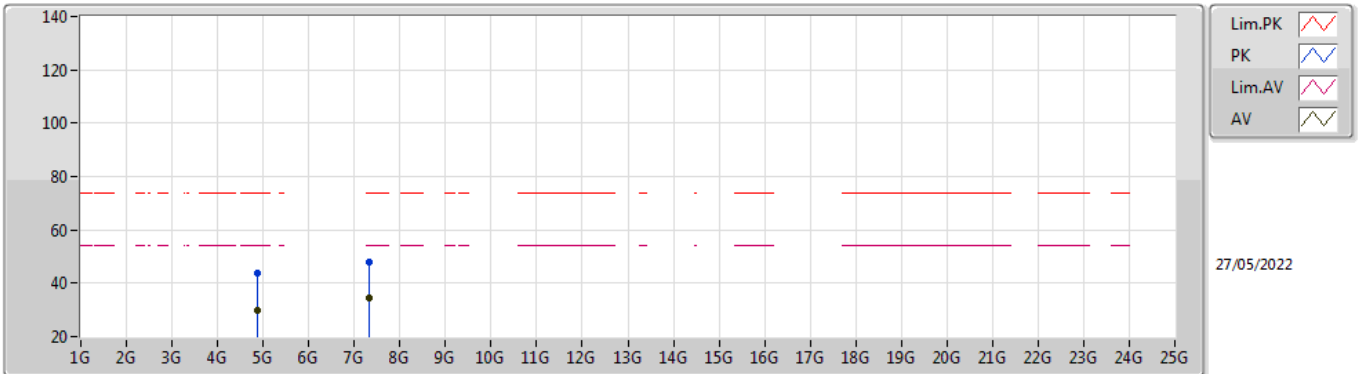


EUT_X_4TX
Setting 20
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.86692G	42.90	74.00	-31.10	36.88	3	Vertical	102	1.35	-	33.13	5.10	32.21
AV	4.8749G	30.38	54.00	-23.62	24.34	3	Vertical	102	1.35	-	33.15	5.10	32.21
PK	7.3062G	48.18	74.00	-25.82	38.43	3	Vertical	344	1.92	-	36.41	6.15	32.81
AV	7.32132G	34.36	54.00	-19.64	24.60	3	Vertical	344	1.92	-	36.44	6.16	32.84

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

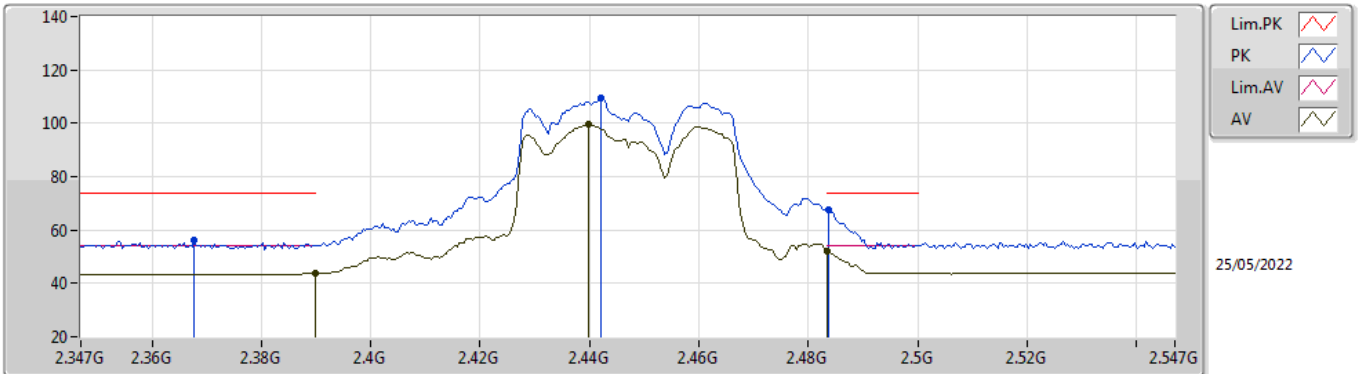


EUT_X_4TX
Setting 20
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.86698G	43.77	74.00	-30.23	37.75	3	Horizontal	29	2.72	-	33.13	5.10	32.21
AV	4.87616G	29.95	54.00	-24.05	23.90	3	Horizontal	29	2.72	-	33.15	5.10	32.20
PK	7.32528G	47.72	74.00	-26.28	37.96	3	Horizontal	46	2.94	-	36.45	6.16	32.85
AV	7.32216G	34.36	54.00	-19.64	24.60	3	Horizontal	46	2.94	-	36.44	6.16	32.84

802.11ax HEW40_Nss1,(MCS0)_4TX

2447MHz_TX

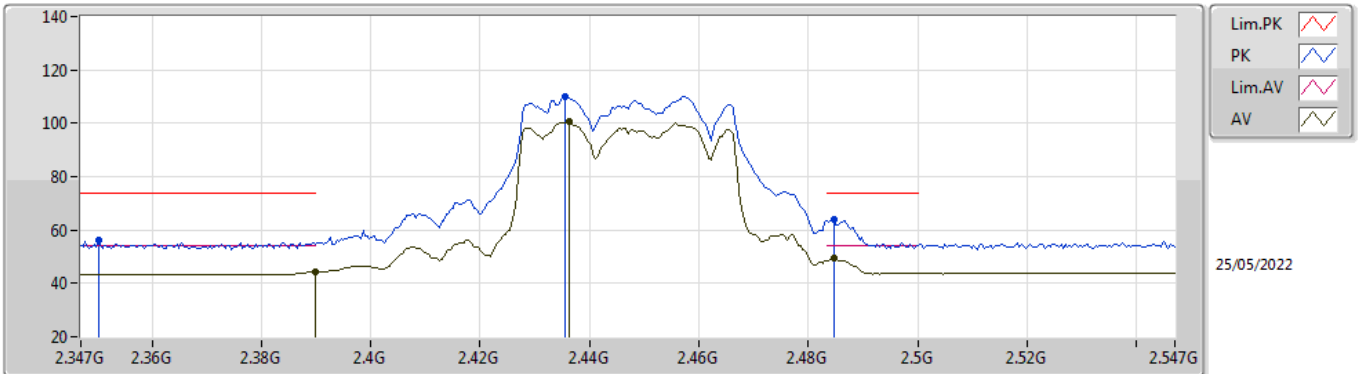


EUT_X_4TX
Setting 17.5
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3678G	56.01	74.00	-17.99	24.89	3	Vertical	209	1.18	-	28.34	2.78	-
AV	2.3898G	43.87	54.00	-10.13	12.70	3	Vertical	209	1.18	-	28.38	2.79	-
PK	2.4422G	109.36	Inf	-Inf	78.12	3	Vertical	209	1.18	-	28.40	2.84	-
AV	2.4398G	99.82	Inf	-Inf	68.58	3	Vertical	209	1.18	-	28.40	2.84	-
PK	2.4838G	67.40	74.00	-6.60	35.98	3	Vertical	209	1.18	-	28.54	2.88	-
AV	2.4835G	52.20	54.00	-1.80	20.79	3	Vertical	209	1.18	-	28.53	2.88	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2447MHz_TX

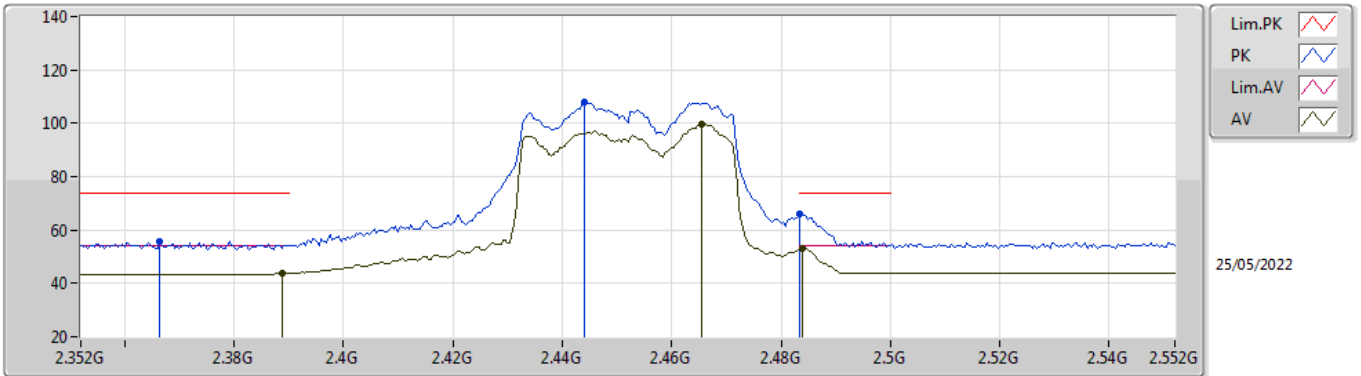


EUT X_4TX
Setting 17.5
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3502G	56.04	74.00	-17.96	24.96	3	Horizontal	164	1.21	-	28.30	2.78	-
AV	2.3898G	44.42	54.00	-9.58	13.25	3	Horizontal	164	1.21	-	28.38	2.79	-
PK	2.4354G	110.14	Inf	-Inf	78.90	3	Horizontal	164	1.21	-	28.40	2.84	-
AV	2.4362G	100.89	Inf	-Inf	69.65	3	Horizontal	164	1.21	-	28.40	2.84	-
PK	2.4846G	63.75	74.00	-10.25	32.33	3	Horizontal	164	1.21	-	28.54	2.88	-
AV	2.4846G	49.28	54.00	-4.72	17.86	3	Horizontal	164	1.21	-	28.54	2.88	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

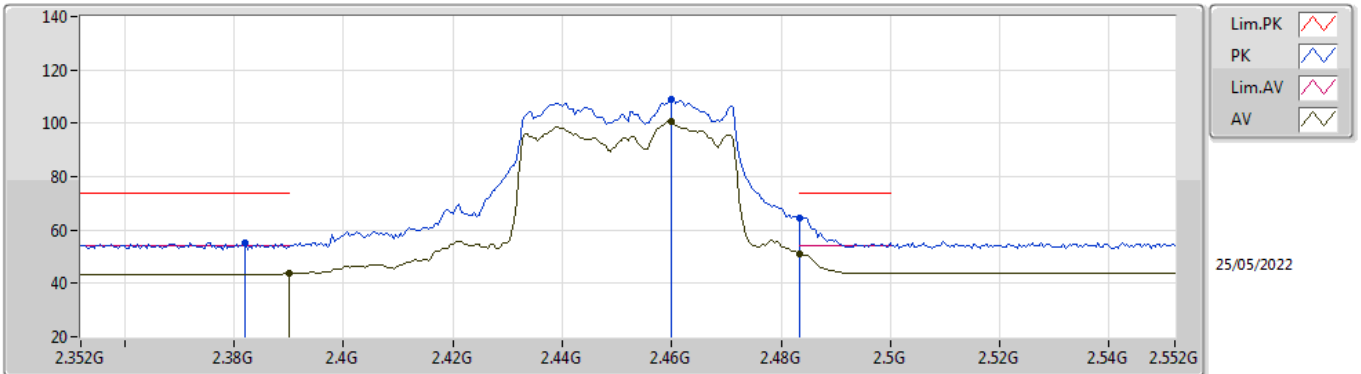


EUT_X_4TX
Setting 16.5
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3664G	55.51	74.00	-18.49	24.40	3	Vertical	188	1.31	-	28.33	2.78	-
AV	2.3888G	43.81	54.00	-10.19	12.64	3	Vertical	188	1.31	-	28.38	2.79	-
PK	2.444G	107.76	Inf	-Inf	76.52	3	Vertical	188	1.31	-	28.40	2.84	-
AV	2.4656G	99.63	Inf	-Inf	68.30	3	Vertical	188	1.31	-	28.46	2.87	-
PK	2.4835G	65.97	74.00	-8.03	34.56	3	Vertical	188	1.31	-	28.53	2.88	-
AV	2.484G	53.01	54.00	-0.99	21.59	3	Vertical	188	1.31	-	28.54	2.88	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

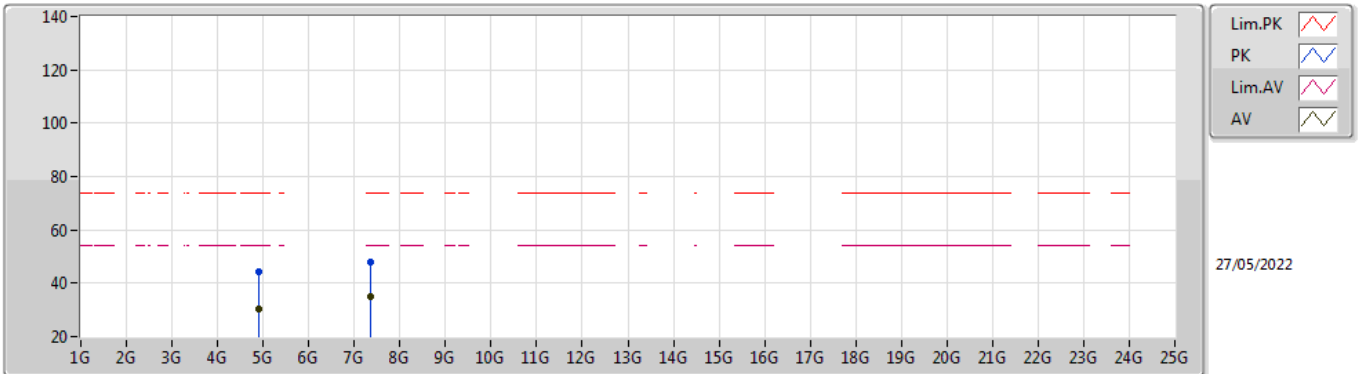


EUT_X_4TX
Setting 16.5
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.382G	55.19	74.00	-18.81	24.04	3	Horizontal	357	2.08	-	28.36	2.79	-
AV	2.39G	43.55	54.00	-10.45	12.38	3	Horizontal	357	2.08	-	28.38	2.79	-
PK	2.46G	109.15	Inf	-Inf	77.85	3	Horizontal	357	2.08	-	28.44	2.86	-
AV	2.46G	100.80	Inf	-Inf	69.50	3	Horizontal	357	2.08	-	28.44	2.86	-
PK	2.4835G	64.56	74.00	-9.44	33.15	3	Horizontal	357	2.08	-	28.53	2.88	-
AV	2.4835G	51.05	54.00	-2.95	19.64	3	Horizontal	357	2.08	-	28.53	2.88	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

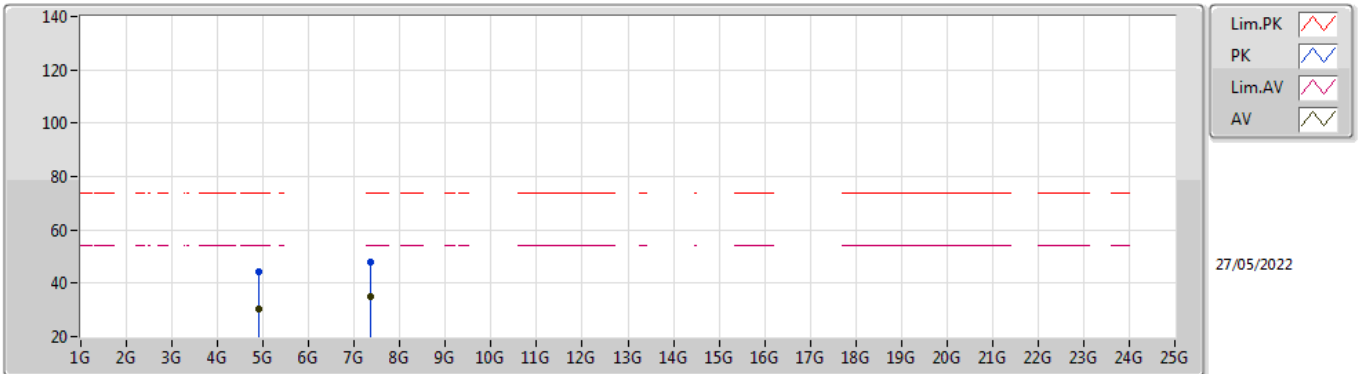


EUT_X_4TX
Setting 16.5
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8989G	44.18	74.00	-29.82	38.08	3	Vertical	275	1.46	-	33.20	5.10	32.20
AV	4.90604G	30.21	54.00	-23.79	24.09	3	Vertical	275	1.46	-	33.21	5.10	32.19
PK	7.3701G	47.90	74.00	-26.10	38.13	3	Vertical	214	2.63	-	36.50	6.19	32.92
AV	7.3479G	34.85	54.00	-19.15	25.07	3	Vertical	214	2.63	-	36.50	6.17	32.89

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX



EUT_X_4TX
Setting 16.5
02-D-C-6

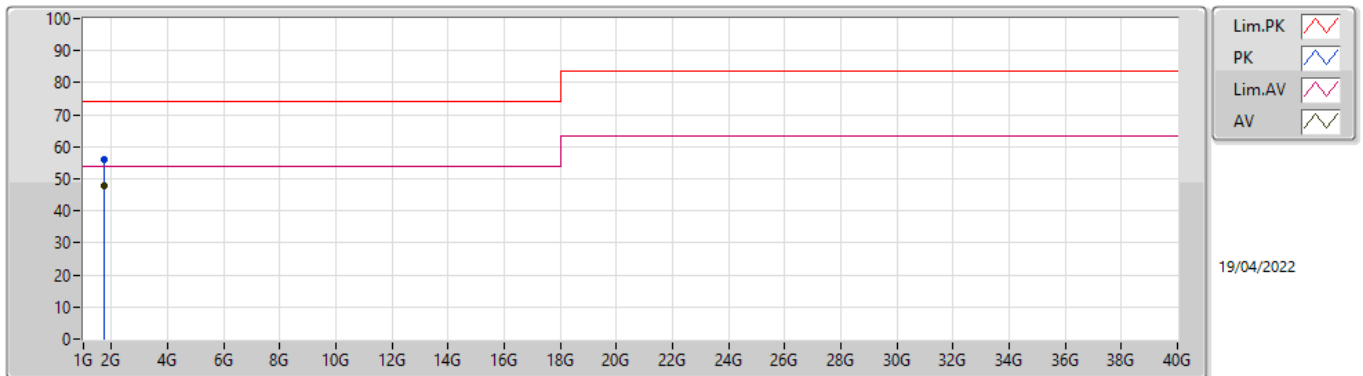
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.89704G	44.24	74.00	-29.76	38.15	3	Horizontal	251	2.96	-	33.19	5.10	32.20
AV	4.90508G	30.23	54.00	-23.77	24.11	3	Horizontal	251	2.96	-	33.21	5.10	32.19
PK	7.34796G	47.99	74.00	-26.01	38.21	3	Horizontal	114	1.81	-	36.50	6.17	32.89
AV	7.34364G	34.85	54.00	-19.15	25.07	3	Horizontal	114	1.81	-	36.49	6.17	32.88



Summary

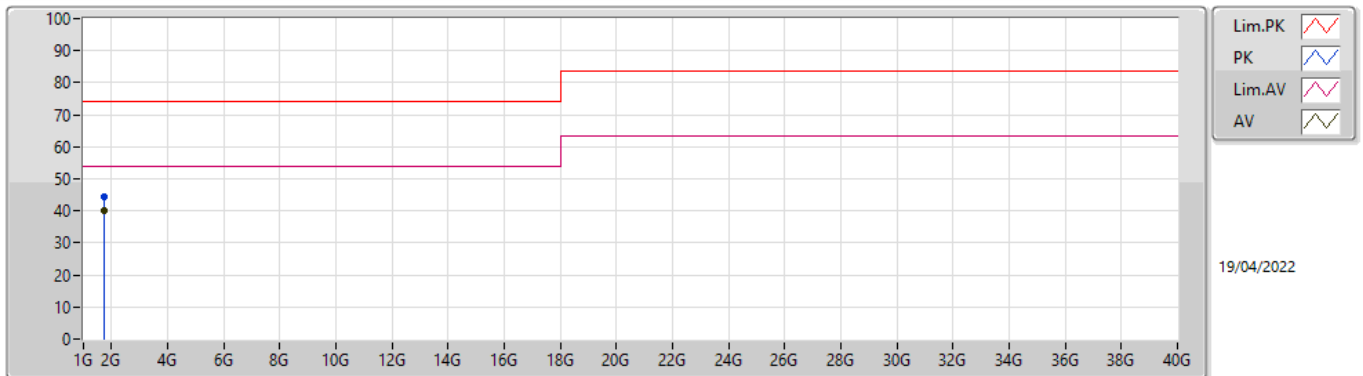
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.71843G	47.87	54.00	-6.13	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.71852G	56.04	74.00	-17.96	-8.00	3	Vertical	293	1.10	-	64.04	25.13	4.18	37.31
AV	1.71843G	47.87	54.00	-6.13	-8.00	3	Vertical	293	1.10	"Worst"	55.87	25.13	4.18	37.31

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	1.7187G	44.26	74.00	-29.74	-8.00	3	Horizontal	79	1.00	-	52.26	25.13	4.18	37.31
AV	1.7188G	40.01	54.00	-13.99	-8.01	3	Horizontal	79	1.00	"Worst"	48.02	25.12	4.18	37.31