Testing Laboratory
3787

RADIO TEST REPORT

FCC ID	:	UDX-600128010
Equipment	:	SMART Camera
Brand Name	:	CISCO
Model Name	:	MV33-HW
Applicant	:	Cisco Systems, Inc. 170 West Tasman Drive, San Jose, CA 95134 USA
Manufacturer	:	Cisco Systems, Inc. 170 West Tasman Drive, San Jose, CA 95134 USA
Standard	:	47 CFR FCC Part 15.247

The product was received on Mar. 18, 2023, and testing was started from Mar. 18, 2023 and completed on Jul. 19, 2023. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

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

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History of this test report

Report No.	Version	Description	Issued Date
FR282322-03AA	01	Initial issue of report	Oct. 04, 2023

Summary of Test Result

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

Conformity Assessment Condition:
1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account. 2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".
Disclaimer:
The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen
Report Producer: Sandy Chuang

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), VHT20	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40	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	1TX
2.4-2.4835GHz	802.11n HT20	20	1TX
2.4-2.4835GHz	VHT20	20	1TX
2.4-2.4835GHz	802.11n HT40	40	1TX
2.4-2.4835GHz	VHT40	40	1TX

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port		Brand	Model Name	Antenna Type	Connector	Gain (dBi)					
	WLAN	Bluetooth					WLAN 2.4GHz	WLAN 5GHz				Bluetooth
								UNII 1	UNII 2A	UNII 2C	UNII 3	
1	1	1	SERCOMM	Ant 1, Ant2	PIFA	I-PEX	2.40	3.31	3.31	3.76	3.05	2.40
2	2	2	SERCOMM	Ant 1, Ant2	PIFA	I-PEX	0.98	2.40	2.40	2.10	2.50	0.98

Note: The above information was declared by manufacturer.

For 2.4GHz function:

For IEEE 802.11b/g/n/VHT mode (1TX/1RX):

The EUT supports the antenna with TX and RX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The Port 1 generated the worst case, so it was selected to test and record in the report.

For 5GHz function:

For IEEE 802.11a/n/ac mode (1TX/1RX):

The EUT supports the antenna with TX and RX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The Port 1 generated the worst case, so it was selected to test and record in the report.

For Bluetooth function (1TX/1RX):

The EUT supports the antenna with TX and RX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The Port 1 generated the worst case, so it was selected to test and record in the report.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.991	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.983	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
VHT20	0.982	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
VHT40	0.949	0.23	936.25u	3k

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

1.1.4 EUT Operational Condition

EUT Power Type	From PoE			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	QRCT_v4.0.00201.0			

Note: The above information was declared by manufacturer.

1.1.5 Multiple Sources

The EUT has second source verify for DDR4, UFS-3.1 256GB, PoE Transformer, LAN Transformer, ACT2, RF Connector, CMOS Coaxial Cable, LED Board Cable.

Note: The above information was declared by manufacturer.

1.1.6 EUT Combination Information

Item	Type	EUT 1	EUT 2
1	DDR4	Main Source	Second Source
2	UFS-3.1 256GB	Main Source	Second Source
3	PoE Transformer	Main Source	Second Source
4	LAN Transformer	Main Source	Second Source
5	ACT2	Main Source	Second Source
6	RF Connector	Main Source	Second Source
7	CMOS Coaxial Cable	Main Source	Second Source
8	LED Board Cable	Main Source	Second Source

Note 1: From the above, EUT 1 was selected to test all items and EUT 2 was selected to test AC Power-line Conducted Emissions and Emissions in Restricted Frequency Bands below 1GHz only, and their data was 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 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH02-CB	Ken Yeh	22.6~24.3 / 60~62	Mar. 22, 2023~ May 18, 2023
Radiated <1GHz	03CH05-CB	Mark Hsu	21~22 / 55~58	Jul. 13, 2023
Radiated >1GHz	03CH01-CB	Paul Huang	21.7~22.9 / 58~62	Mar. 18, 2023~ Mar. 22, 2023
Radiated Co-location	03CH05-CB	Paul Huang	23~24.7 / 58~63	Jul. 13, 2023
AC Conduction	CO01-CB	Gray Lee	21~22 / 53~54	Jul. 19, 2023

1.4 Measurement Uncertainty

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

Test Date: Before Jun. 01, 2023

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.2 dB	Confidence levels of 95%
Bandwidth Measurement	2.0 %	Confidence levels of 95%

Test Date: After May 31, 2023

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	21
2437MHz	21
2462MHz	20.5
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	20
2417MHz	22
2437MHz	25.5
2457MHz	20
2462MHz	17.5
VHT20_Nss1,(MCS0)_1TX	-
2412MHz	19
2417MHz	22
2437MHz	25
2457MHz	20
2462MHz	17
VHT40_Nss1,(MCS0)_1TX	-
2422MHz	15
2437MHz	16.5
2452MHz	14

Note:
- Evaluated VHT20/VHT40 mode only due to the similar modulation. The power setting of HT20/HT40 mode are the same or lower than VHT20/VHT40.

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 + LAN mode-Day mode + Bluetooth + PoE 1
2	EUT 1 + LAN mode-Night mode + Bluetooth + PoE 1
Mode 2 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 ~ 6 will follow this same test mode.	
3	EUT 1 + WLAN 2.4GHz mode-Night mode + Bluetooth + PoE 1
4	EUT 1 + WLAN 2.4GHz mode-Night mode + Bluetooth + PoE 2
5	EUT 1 + WLAN 5GHz mode-Night mode + Bluetooth + PoE 1
6	EUT 1 + WLAN 5GHz mode-Night mode + Bluetooth + PoE 2
Mode 2 has been evaluated to be the worst case among Mode 1~6, thus measurement for Mode 7 will follow this same test mode.	
7	EUT 2 + LAN mode-Night mode + Bluetooth + PoE 1
Mode 2 generated the worst test result, so it was recorded in this report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains
Test Mode	EUT 1

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	EUT 1 at Z axis + LAN mode-Day mode + Bluetooth + PoE 1
2	EUT 1 at Y axis + LAN mode-Day mode + Bluetooth + PoE 1
3	EUT 1 at X axis + LAN mode-Day mode + Bluetooth + PoE 1
Mode 1 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 will follow this same test mode	
4	EUT 1 at Z axis + LAN mode-Night mode + Bluetooth + PoE 1
Mode 1 has been evaluated to be the worst case among Mode 1~4, thus measurement for Mode 5~ 8 will follow this same test mode.	
5	EUT 1 at Z axis + WLAN 2.4GHz mode-Day mode + Bluetooth + PoE 1
6	EUT 1 at Z axis + WLAN 2.4GHz mode-Day mode + Bluetooth + PoE 2
7	EUT 1 at Z axis + WLAN 5GHz mode-Day mode + Bluetooth + PoE 1
8	EUT 1 at Z axis + WLAN 5GHz mode-Day mode + Bluetooth + PoE 2
Mode 1 has been evaluated to be the worst case among Mode 1~8, thus measurement for Mode 9 will follow this same test mode.	
9	EUT 2 at Z axis + LAN mode-Day mode + Bluetooth + PoE 1
Mode 1 generated the worst test result, so it was recorded in this report.	
Operating Mode > 1GHz	CTX
	The EUT was performed at X axis, Y axis and Z axis position, and the worst case as below, Thus measurement will follow this same test configuration.
1	EUT 1 in Y axis (Bandedge)
2	EUT 1 in X axis (Harmonic)

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 Radiated Emissions <Above 1GHz>, the worst case was found at Y axis position. Thus the measurement will follow.	
1	EUT 1 at Y axis + Bluetooth + WLAN 2.4GHz + PoE 1
2	EUT 1 at Y axis + Bluetooth + WLAN 5GHz + PoE 1
Mode 1 generated the worst test result, so it was recorded in this report.	
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	EUT 1 + Bluetooth + WLAN 2.4GHz
2	EUT 1 + Bluetooth + WLAN 5GHz
Refer to Sporton Test Report No.: FA282322-03 for Co-location RF Exposure Evaluation.	

Note: The PoEs are for measurement only, would not be marketed.
PoEs information as below:

Power	Brand	Model
PoE 1	PHIHONG	POEA33U-1ATE
PoE 2	CISCO	MA-PWR-MV-LV

2.3 EUT Operation during Test

For CTX Mode:
The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Wall Bracket*3

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PoE 1	PHIHONG	POEA33U-1ATE	N/A
B	LAN NB	DELL	E6430	N/A
C	Smart phone	Samsung	Galaxy J2	N/A

For Radiated (below 1GHz):

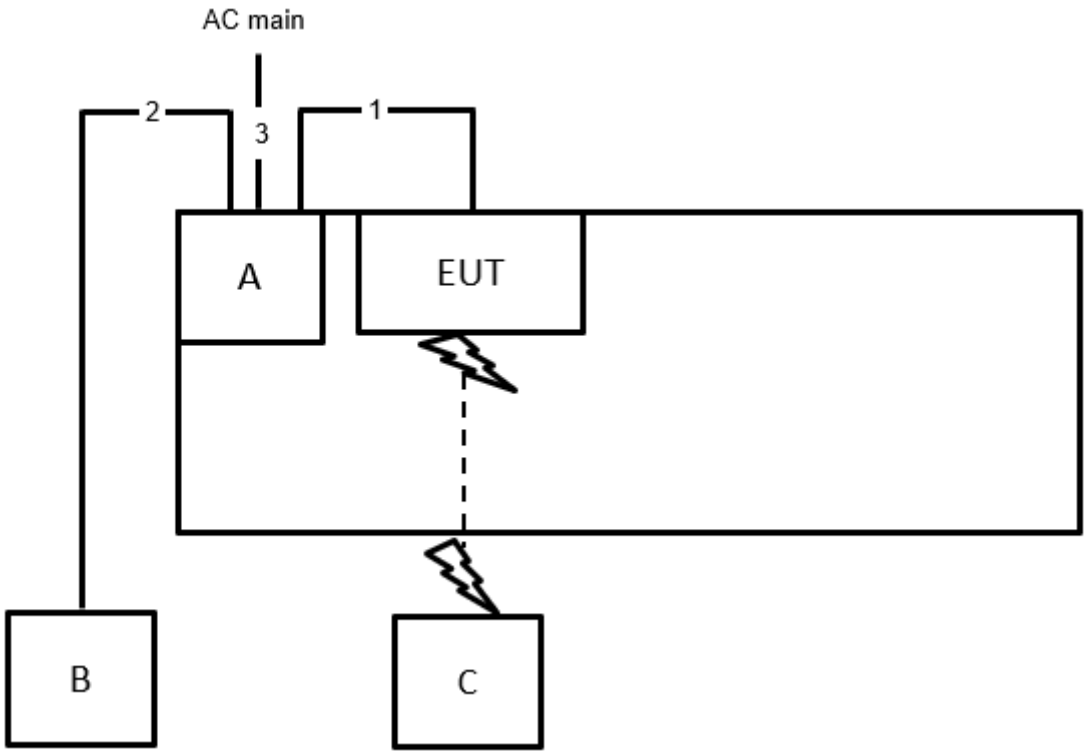
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	PoE 1	PHIHONG	POEA33U-1ATE	N/A
C	Smart phone	Samsung	Galaxy J2	N/A

For Radiated (above 1GHz) and RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	PoE 1	PHIHONG	PORA33U-1ATE	N/A

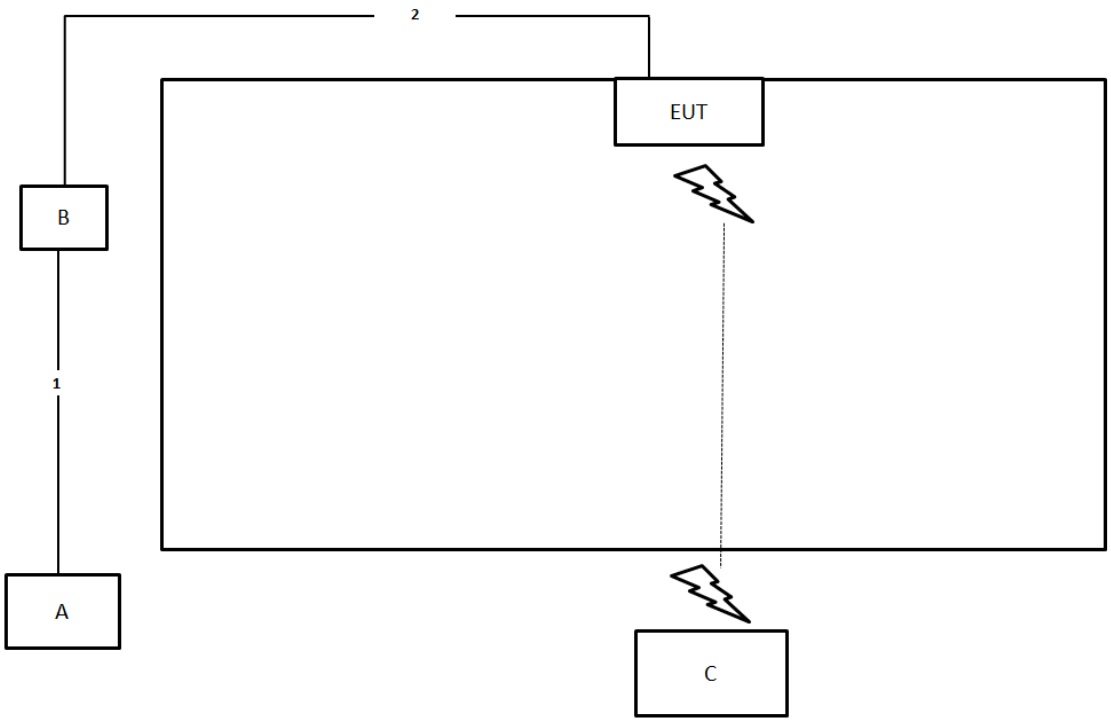
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



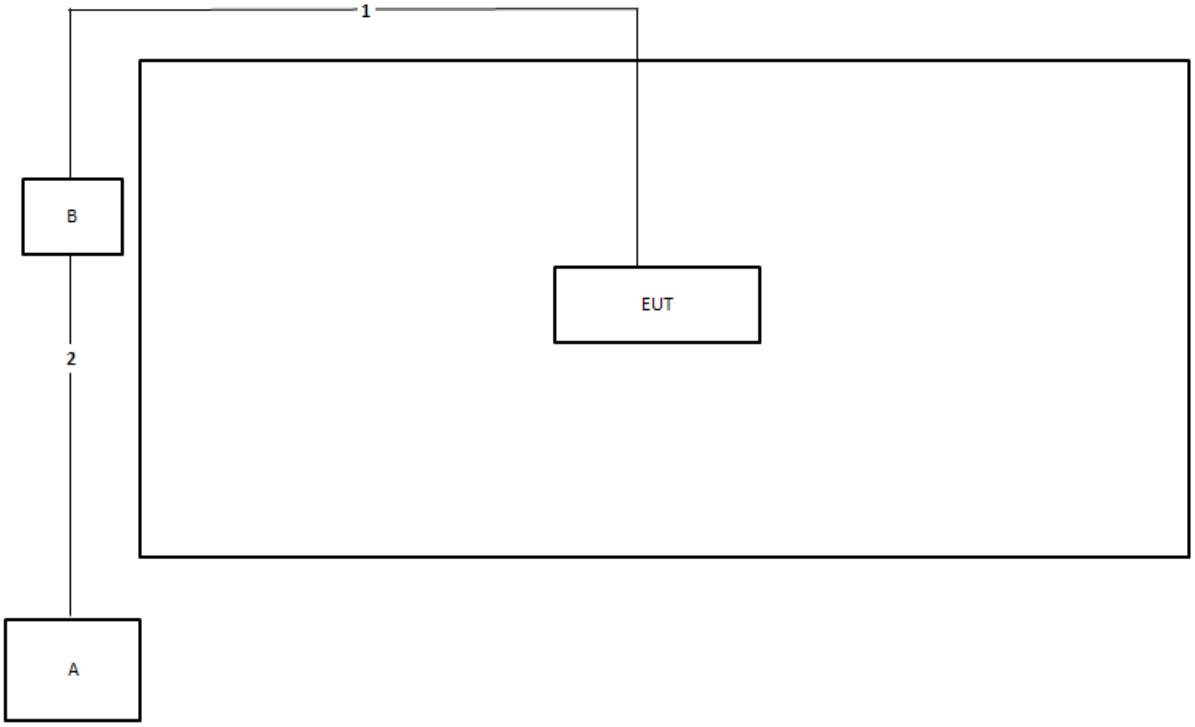
Item	Connection	Shielded	Length
1	RJ-45 cable	No	1.5m
2	RJ-45 cable	No	10m
3	Power cable	No	1m

Test Setup Diagram - Radiated Test < 1GHz



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

Test Setup Diagram - Radiated Test > 1GHz



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

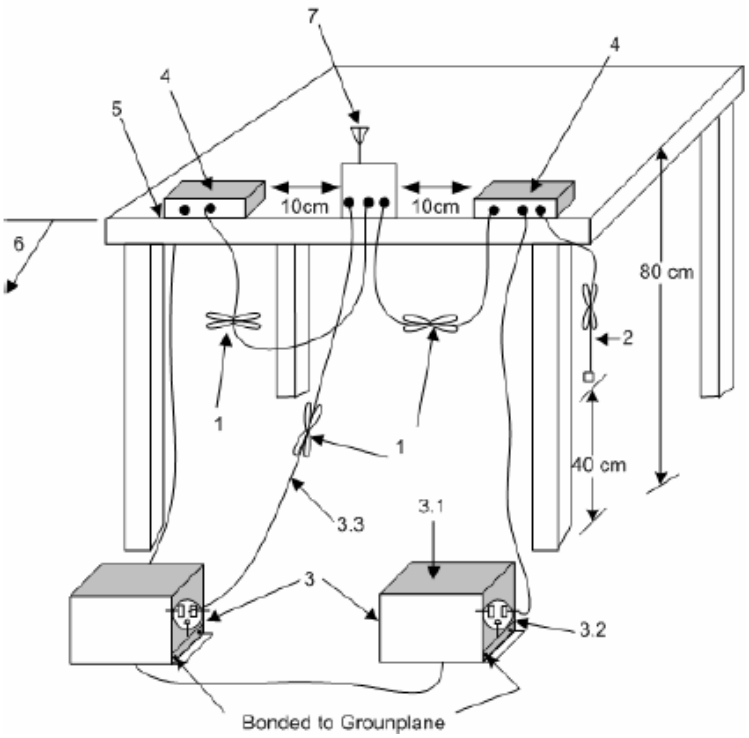
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

b. Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

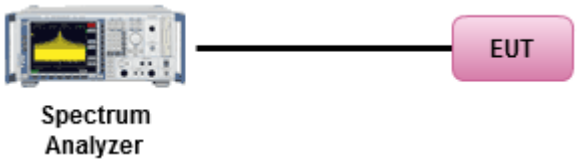
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit		
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)	
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)$ dBm	
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm	
	▪ Smart antenna system (SAS):	
		- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm
		- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm
		- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3 + 8$dB dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.		

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
▪ Maximum Peak Conducted Output Power	
	☐ Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	☐ Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
▪ Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
	Measurement using a power meter (PM)
	☐ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
	☒ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

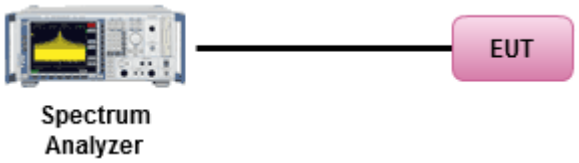
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

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

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

3.5.2 Measuring Instruments

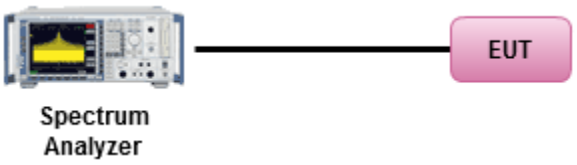
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

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

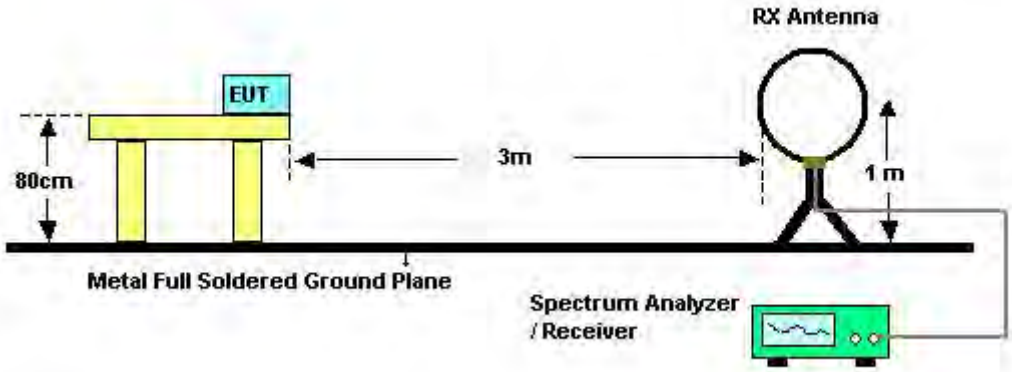
3.6.3 Test Procedures

Test Method			
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].			
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.			
▪ For the transmitter unwanted emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.		
		☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle ≥98%).
		☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
		☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW≥1/T).
		☐	Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐	Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
		☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.		
	▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.		
	▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).		
	▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB		
	▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.		

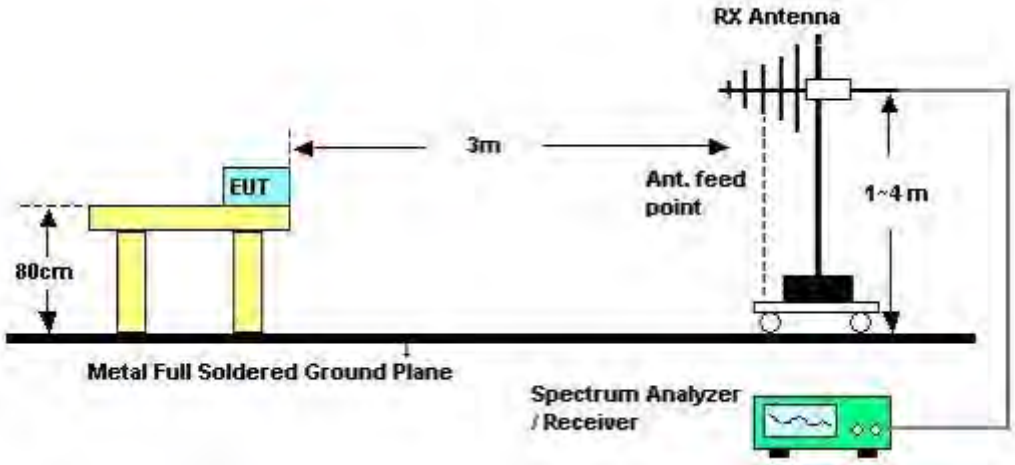
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

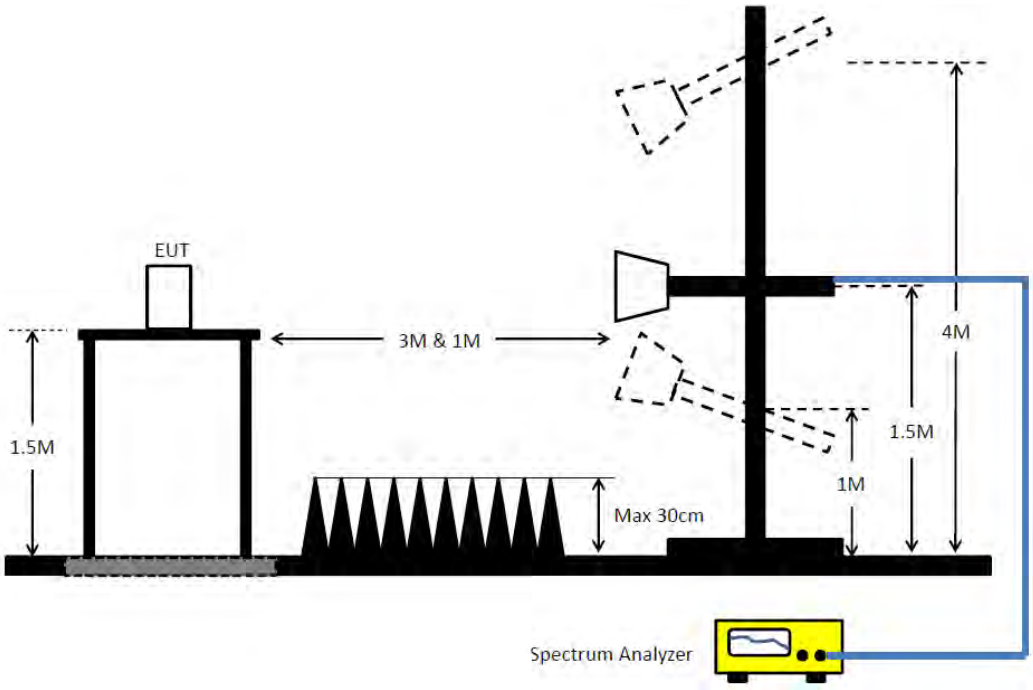
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Measurement Results Calculation

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

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 20, 2023	Feb. 19, 2024	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 16, 2023	Feb. 15, 2024	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 27, 2023	Apr. 26, 2024	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 09, 2023	Feb. 08, 2024	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	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. 23, 2023	Mar. 22, 2024	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 03, 2022	Aug. 02, 2023	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 06, 2022	Nov. 05, 2023	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 24, 2023	Mar. 23, 2024	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 08, 2023	Jun. 07, 2024	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 03, 2023	May 02, 2024	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH05-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	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. 07, 2022	Dec. 06, 2023	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 06, 2022	May 05, 2023	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 04, 2022	Nov. 03, 2023	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 19, 2022	May 18, 2023	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Nov 29, 2022	Nov 29, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 15, 2022	Aug. 14, 2023	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 17, 2022	Oct. 16, 2023	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 17, 2022	Oct. 16, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1 GHz –26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH02-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

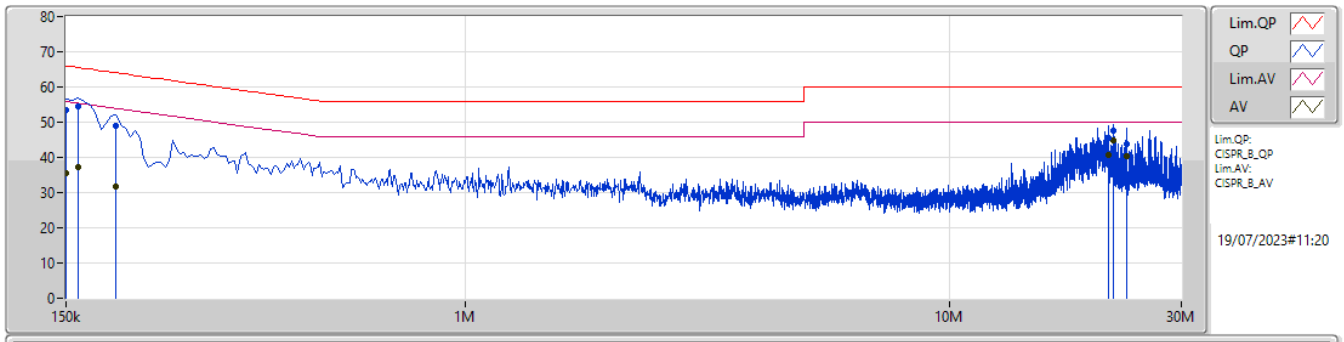
Note: Calibration Interval of instruments listed above is one year.

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

Summary

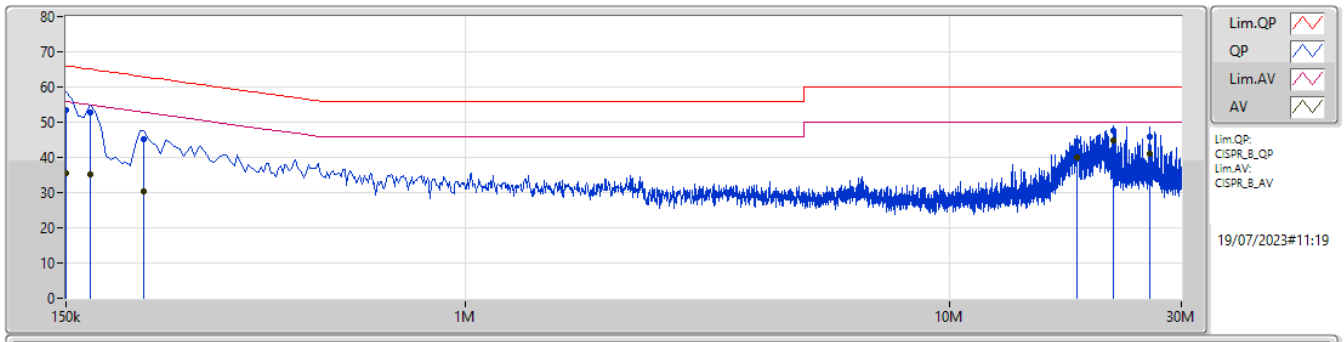
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	AV	21.665M	44.89	50.00	-5.11	Neutral

Mode 2



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	53.43	66.00	-12.57	10.00	Line	-	43.43	0.09	0.04	9.87
AV	150k	35.50	56.00	-20.50	10.00	Line	-	25.50	0.09	0.04	9.87
QP	159k	54.60	65.52	-10.92	10.00	Line	-	44.60	0.09	0.04	9.87
AV	159k	37.13	55.52	-18.39	10.00	Line	-	27.13	0.09	0.04	9.87
QP	190.5k	49.09	64.01	-14.92	9.98	Line	-	39.11	0.08	0.04	9.86
AV	190.5k	31.66	54.01	-22.35	9.98	Line	-	21.68	0.08	0.04	9.86
QP	21.174M	45.47	60.00	-14.53	10.56	Line	-	34.91	0.30	0.24	10.02
AV	21.174M	40.55	50.00	-9.45	10.56	Line	-	29.99	0.30	0.24	10.02
QP	21.665M	47.60	60.00	-12.40	10.57	Line	-	37.03	0.31	0.24	10.02
AV	21.665M	44.87	50.00	-5.13	10.57	Line	"Worst"	34.30	0.31	0.24	10.02
QP	23.132M	43.92	60.00	-16.08	10.61	Line	-	33.31	0.31	0.26	10.04
AV	23.132M	40.18	50.00	-9.82	10.61	Line	-	29.57	0.31	0.26	10.04

Mode 2



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	53.40	66.00	-12.60	9.98	Neutral	-	43.42	0.07	0.04	9.87
AV	150k	35.62	56.00	-20.38	9.98	Neutral	-	25.64	0.07	0.04	9.87
QP	168k	52.65	65.06	-12.41	9.98	Neutral	-	42.67	0.07	0.04	9.87
AV	168k	35.02	55.06	-20.04	9.98	Neutral	-	25.04	0.07	0.04	9.87
QP	217.5k	45.04	62.92	-17.88	9.97	Neutral	-	35.07	0.07	0.04	9.86
AV	217.5k	30.21	52.92	-22.71	9.97	Neutral	-	20.24	0.07	0.04	9.86
QP	18.303M	44.49	60.00	-15.51	10.47	Neutral	-	34.02	0.27	0.20	10.00
AV	18.303M	39.94	50.00	-10.06	10.47	Neutral	-	29.47	0.27	0.20	10.00
QP	21.665M	47.65	60.00	-12.35	10.57	Neutral	-	37.08	0.31	0.24	10.02
AV	21.665M	44.89	50.00	-5.11	10.57	Neutral	"Worst"	34.32	0.31	0.24	10.02
QP	25.877M	45.82	60.00	-14.18	10.71	Neutral	-	35.11	0.36	0.29	10.06
AV	25.877M	40.96	50.00	-9.04	10.71	Neutral	-	30.25	0.36	0.29	10.06

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	9.025M	14.126M	14M1G1D	9M	14.065M
802.11g_Nss1,(6Mbps)_1TX	16.275M	24.411M	24M4D1D	15.275M	16.684M
VHT20_Nss1,(MCS0)_1TX	17.275M	21.707M	21M7D1D	15.6M	17.834M
VHT40_Nss1,(MCS0)_1TX	35.75M	36.326M	36M3D1D	35.6M	36.32M

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

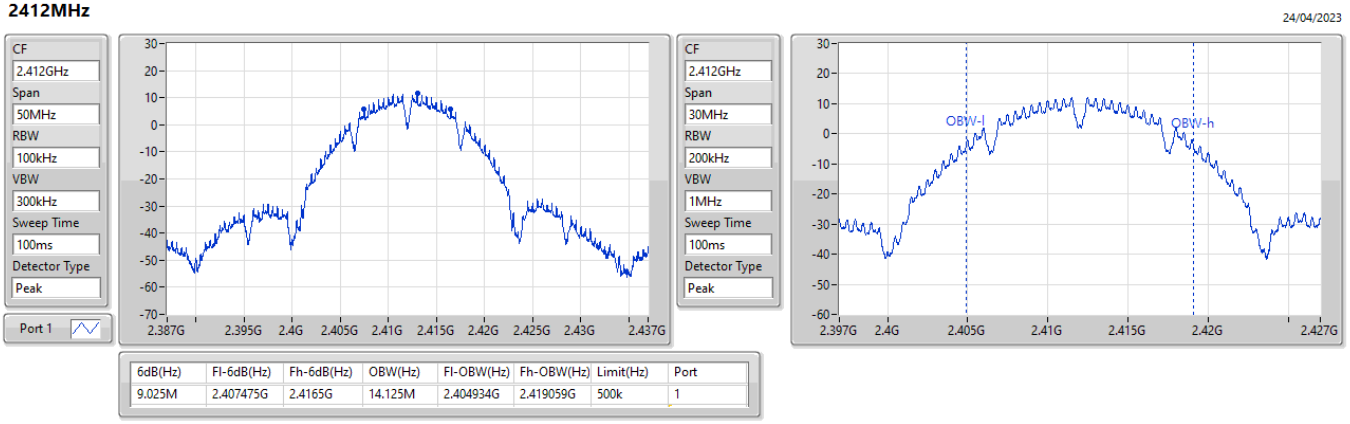
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	9.025M	14.125M
2437MHz	Pass	500k	9M	14.126M
2462MHz	Pass	500k	9.025M	14.065M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	15.275M	16.777M
2437MHz	Pass	500k	16.275M	24.411M
2462MHz	Pass	500k	15.725M	16.684M
VHT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	16.5M	17.881M
2437MHz	Pass	500k	17.275M	21.707M
2462MHz	Pass	500k	15.6M	17.834M
VHT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	35.65M	36.325M
2437MHz	Pass	500k	35.75M	36.32M
2452MHz	Pass	500k	35.6M	36.326M

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

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **EBW**

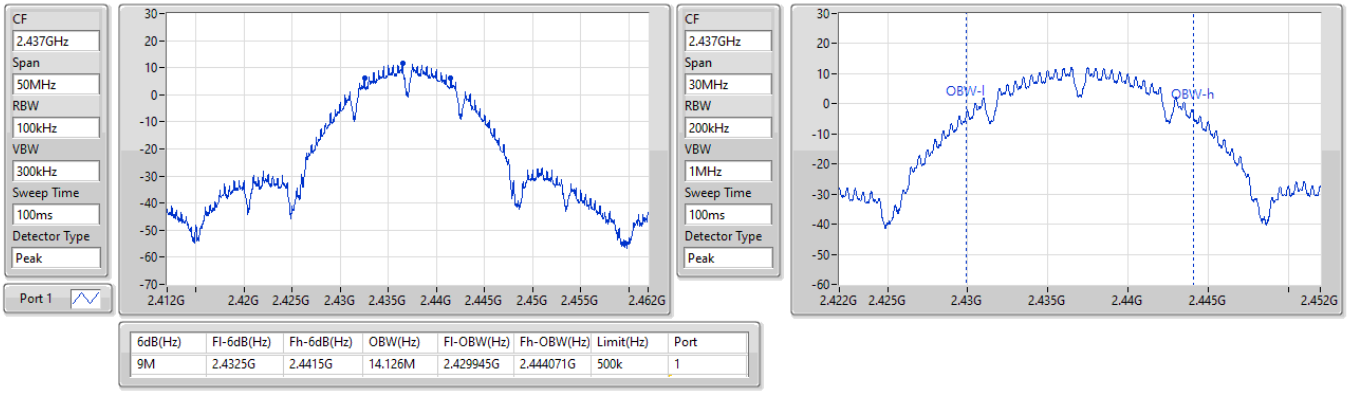
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.025M	2.407475G	2.4165G	14.125M	2.404934G	2.419059G	500k	1

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **EBW**

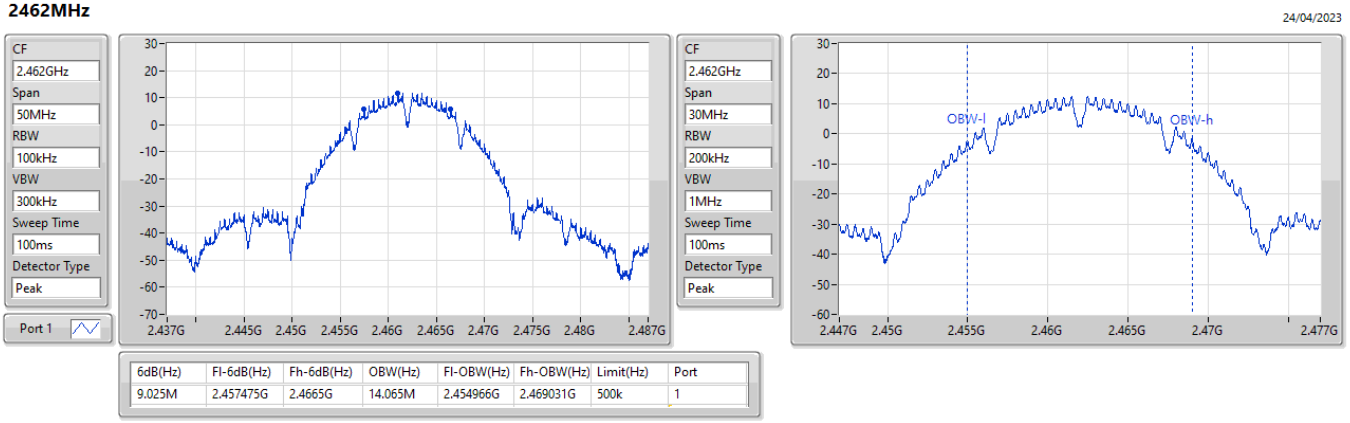
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9M	2.4325G	2.4415G	14.126M	2.429945G	2.444071G	500k	1

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **EBW**

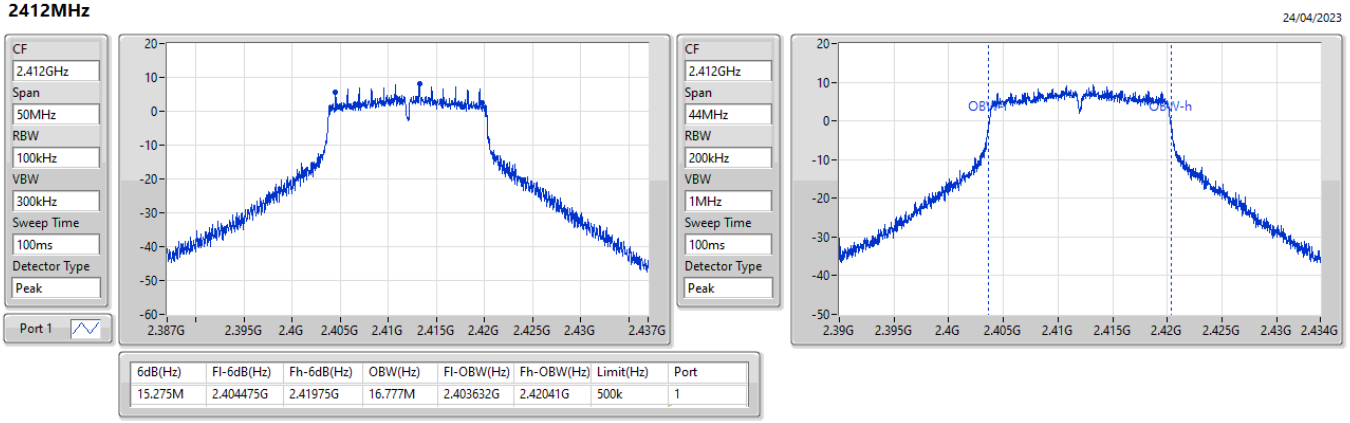
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.025M	2.457475G	2.4665G	14.065M	2.454966G	2.469031G	500k	1

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **EBW**

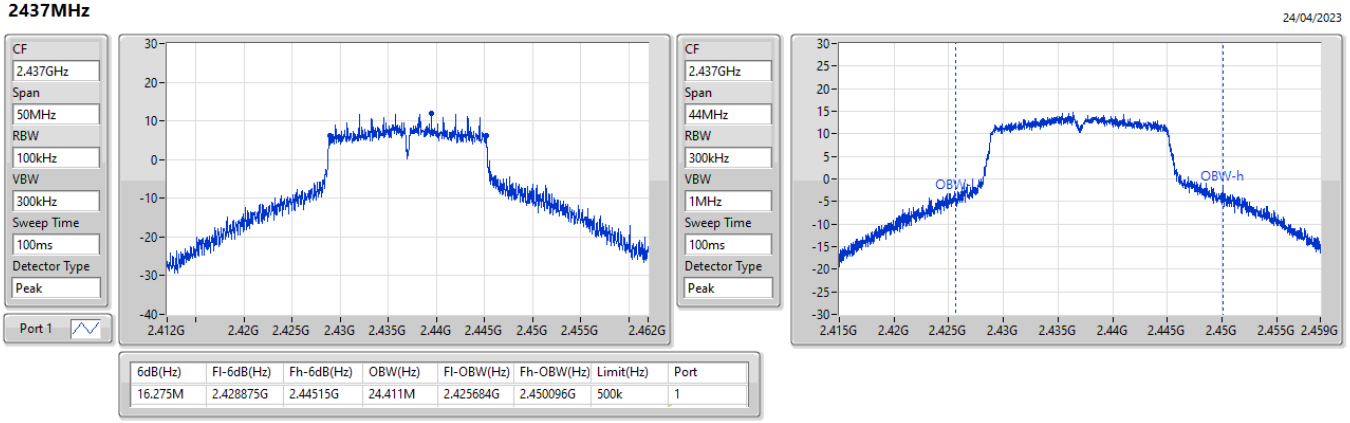
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.275M	2.404475G	2.41975G	16.777M	2.403632G	2.42041G	500k	1

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **EBW**

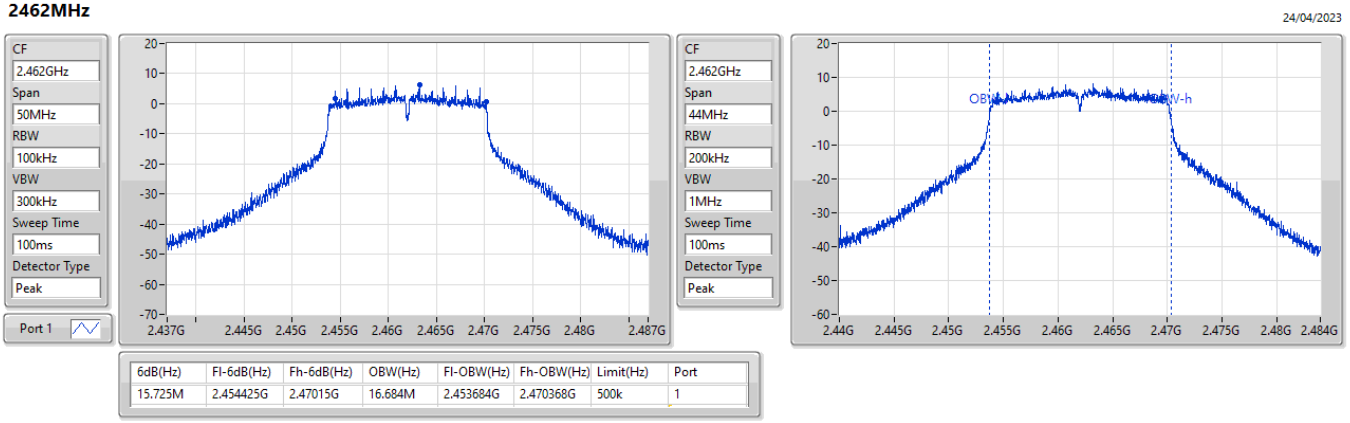
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	2.428875G	2.44515G	24.411M	2.425684G	2.450096G	500k	1

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **EBW**

2462MHz

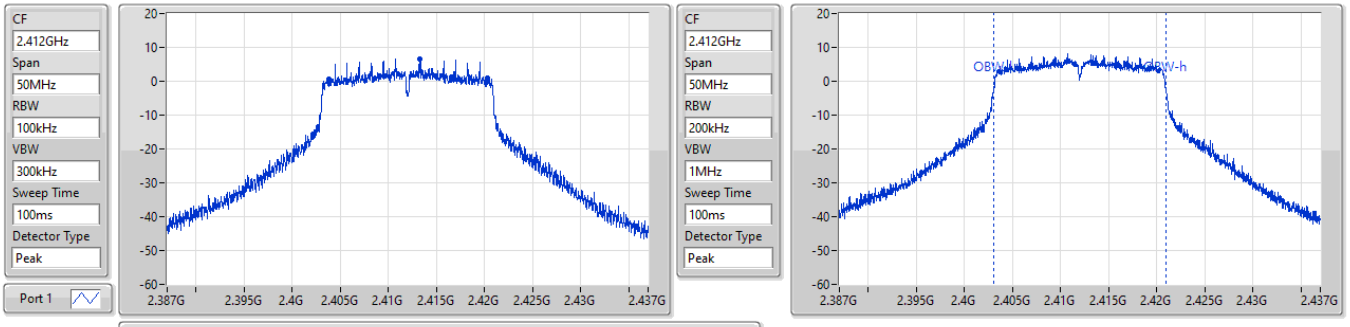


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.725M	2.454425G	2.47015G	16.684M	2.453684G	2.470368G	500k	1

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX **EBW**

2412MHz

24/04/2023

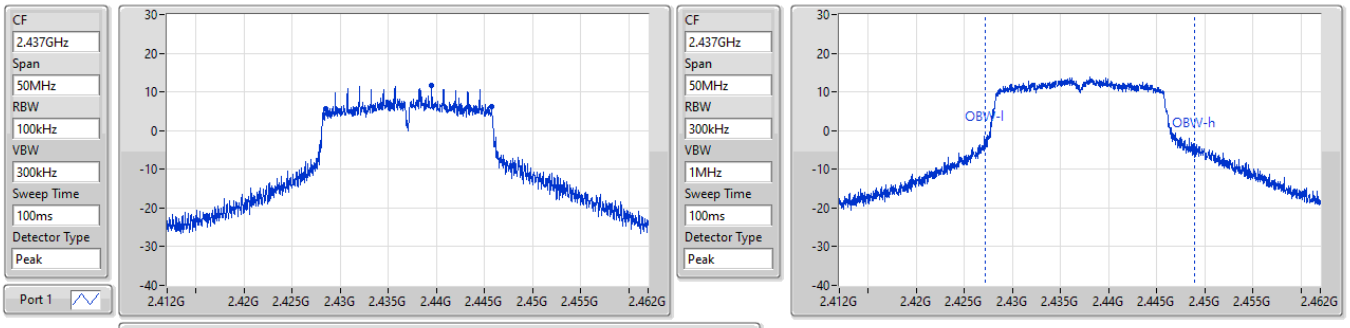


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.5M	2.40385G	2.42035G	17.881M	2.403058G	2.420939G	500k	1

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX **EBW**

2437MHz

24/04/2023

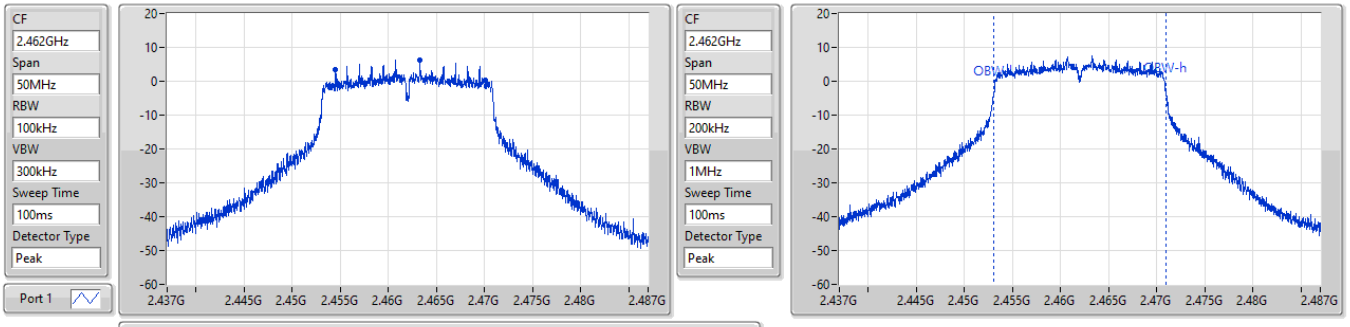


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.275M	2.428475G	2.44575G	21.707M	2.427218G	2.448925G	500k	1

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX **EBW**

2462MHz

24/04/2023

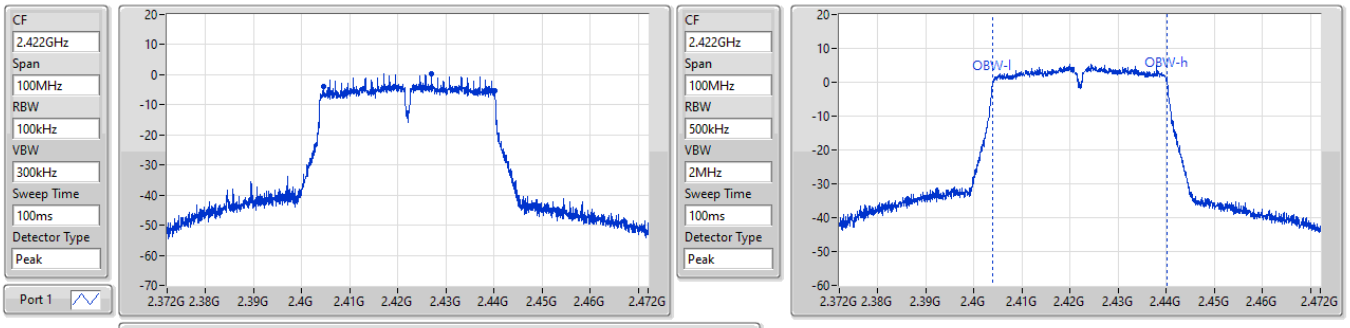


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.6M	2.454525G	2.470125G	17.834M	2.453097G	2.470932G	500k	1

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX **EBW**

2422MHz

24/04/2023

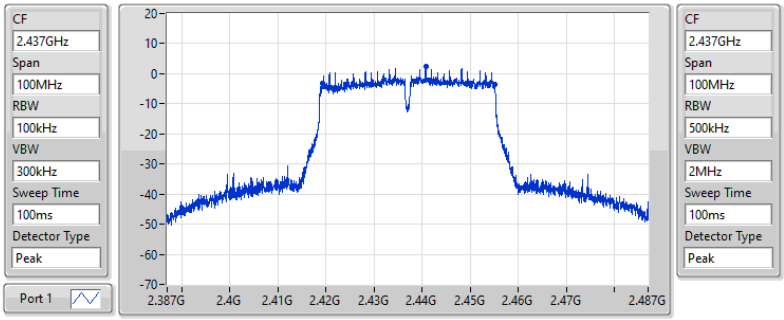


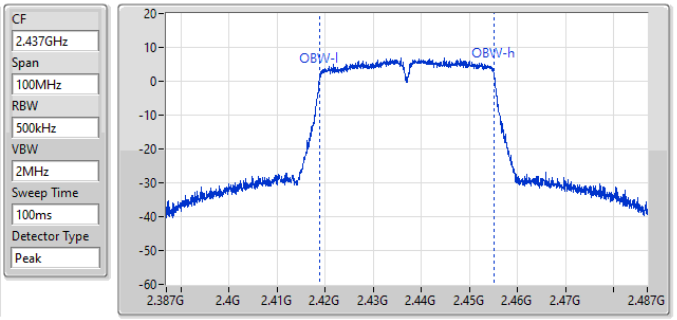
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.65M	2.40445G	2.4401G	36.325M	2.403859G	2.440184G	500k	1

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX **EBW**

2437MHz

24/04/2023



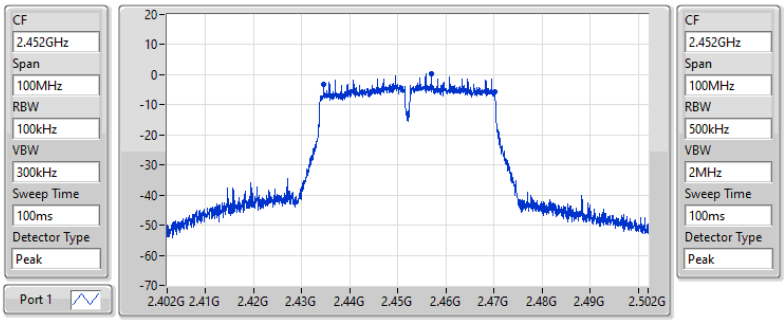


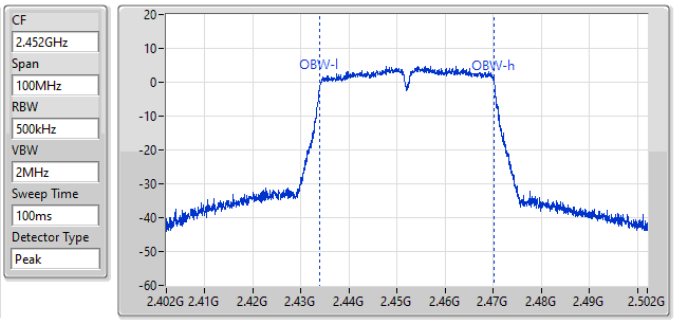
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.75M	2.4194G	2.45515G	36.32M	2.418879G	2.455199G	500k	1

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX **EBW**

2452MHz

24/04/2023





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.6M	2.4345G	2.4701G	36.326M	2.433905G	2.47023G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	21.03	0.12677
802.11g_Nss1,(6Mbps)_1TX	22.50	0.17783
VHT20_Nss1,(MCS0)_1TX	22.22	0.16672
VHT40_Nss1,(MCS0)_1TX	16.12	0.04093

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.40	20.57	20.57	30.00
2437MHz	Pass	2.40	20.74	20.74	30.00
2462MHz	Pass	2.40	21.03	21.03	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.40	18.67	18.67	30.00
2417MHz	Pass	2.40	20.44	20.44	30.00
2437MHz	Pass	2.40	22.50	22.50	30.00
2457MHz	Pass	2.40	19.32	19.32	30.00
2462MHz	Pass	2.40	17.02	17.02	30.00
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.40	17.51	17.51	30.00
2417MHz	Pass	2.40	20.26	20.26	30.00
2437MHz	Pass	2.40	22.22	22.22	30.00
2457MHz	Pass	2.40	19.19	19.19	30.00
2462MHz	Pass	2.40	16.36	16.36	30.00
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.40	14.33	14.33	30.00
2437MHz	Pass	2.40	16.12	16.12	30.00
2452MHz	Pass	2.40	13.98	13.98	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	-3.46
802.11g_Nss1,(6Mbps)_1TX	-2.66
VHT20_Nss1,(MCS0)_1TX	-4.28
VHT40_Nss1,(MCS0)_1TX	-12.91

RBW = 3kHz;

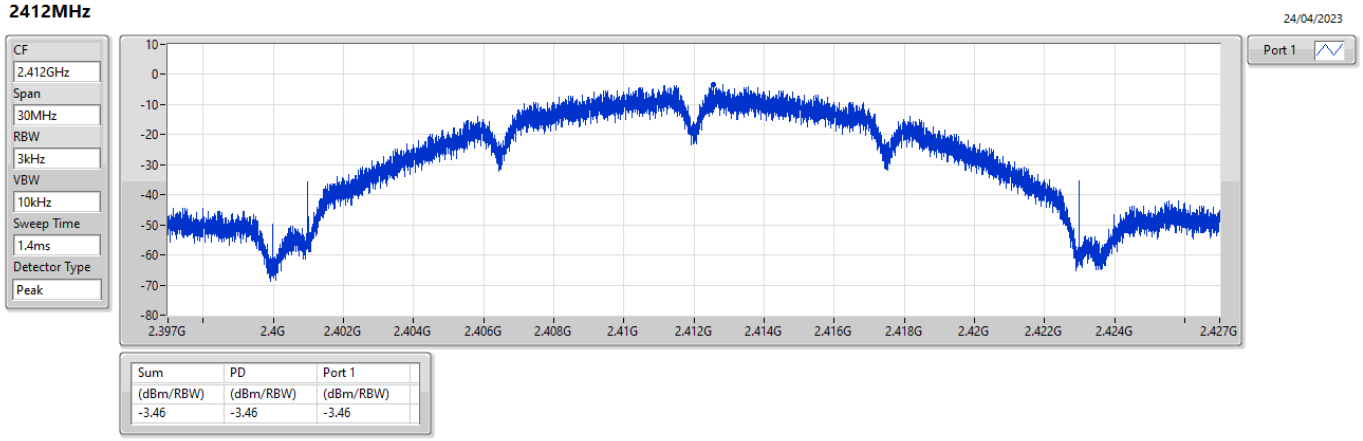
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.40	-3.46	-3.46	8.00
2437MHz	Pass	2.40	-4.55	-4.55	8.00
2462MHz	Pass	2.40	-3.84	-3.84	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.40	-7.42	-7.42	8.00
2437MHz	Pass	2.40	-2.66	-2.66	8.00
2462MHz	Pass	2.40	-8.41	-8.41	8.00
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.40	-8.25	-8.25	8.00
2437MHz	Pass	2.40	-4.28	-4.28	8.00
2462MHz	Pass	2.40	-9.30	-9.30	8.00
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.40	-14.82	-14.82	8.00
2437MHz	Pass	2.40	-12.91	-12.91	8.00
2452MHz	Pass	2.40	-14.93	-14.93	8.00

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

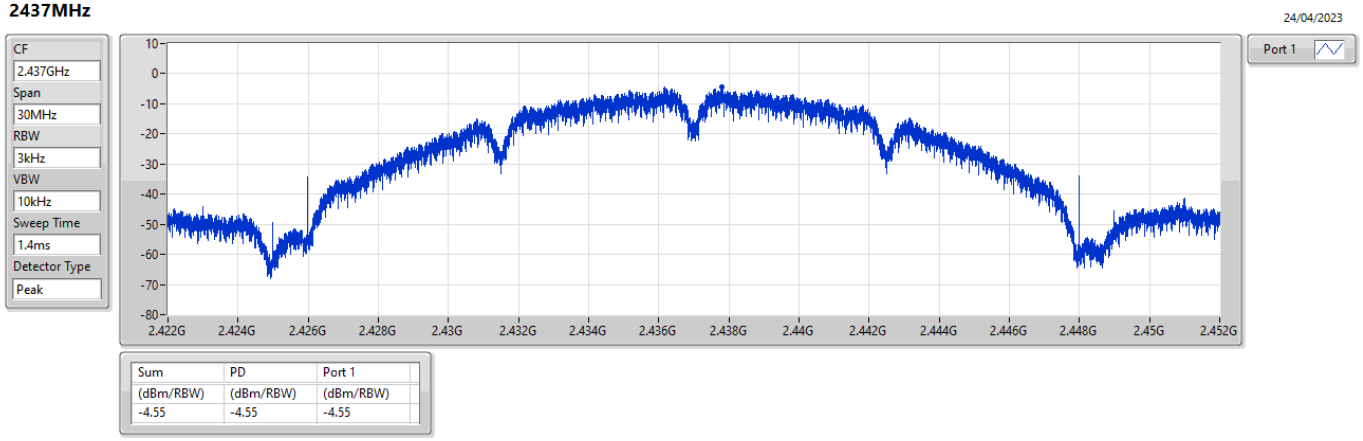
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **PSD**

2412MHz



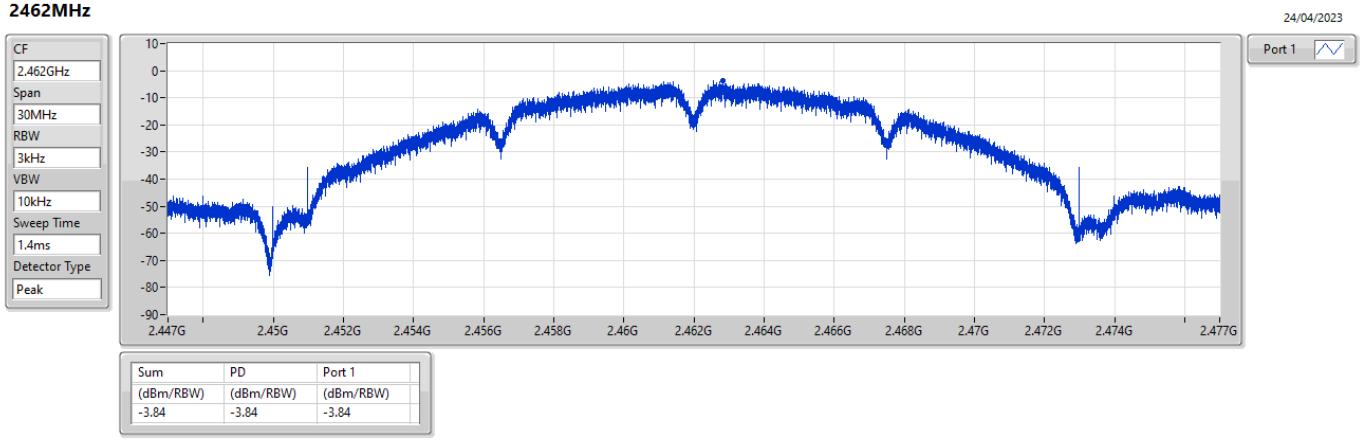
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **PSD**

2437MHz



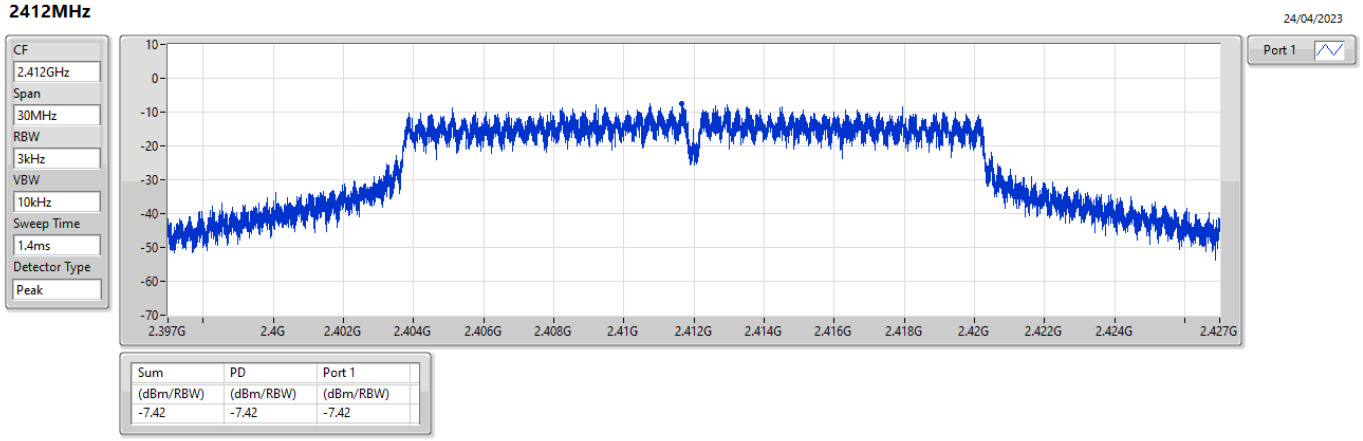
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **PSD**

2462MHz



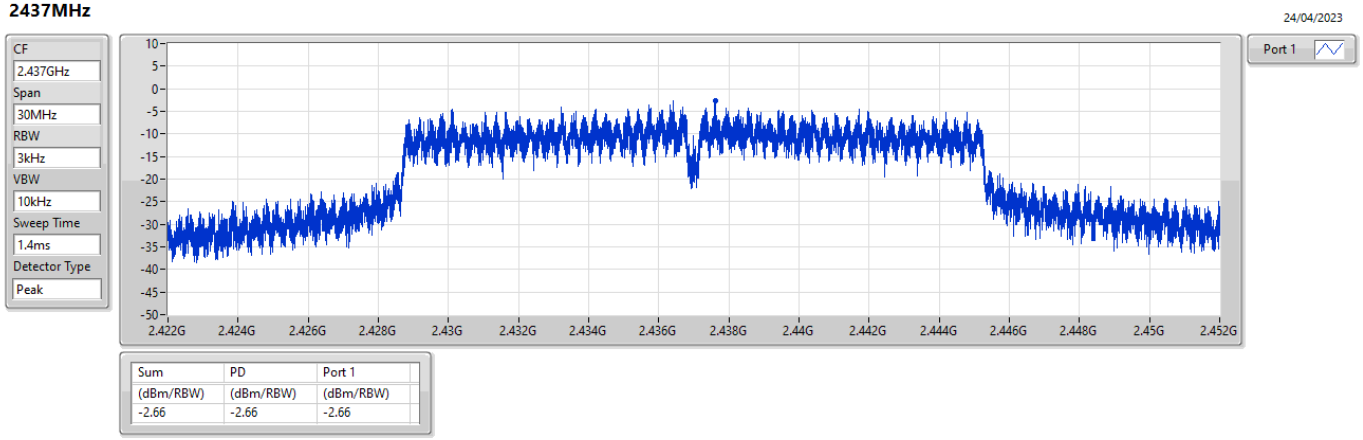
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **PSD**

2412MHz



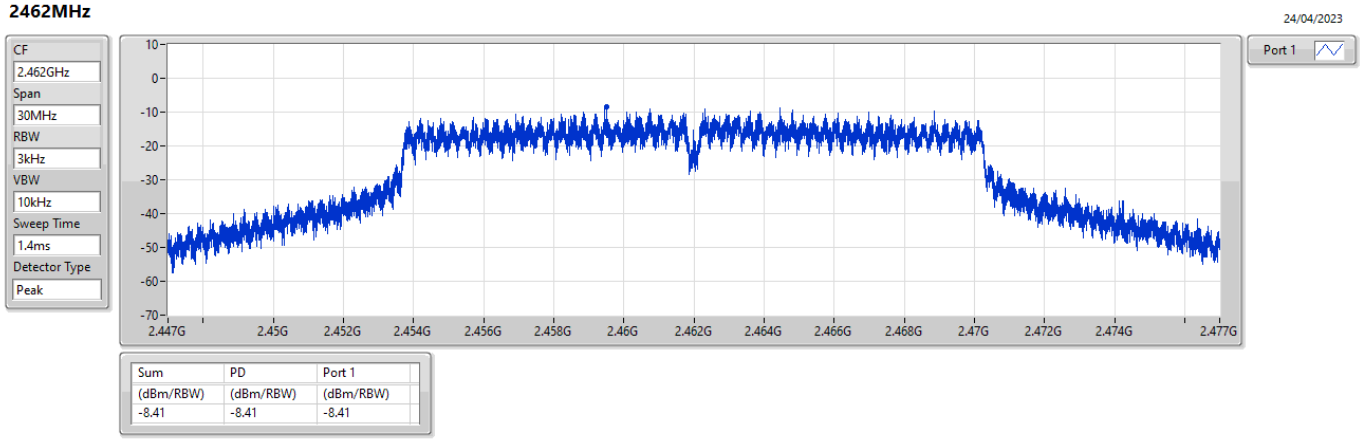
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **PSD**

2437MHz



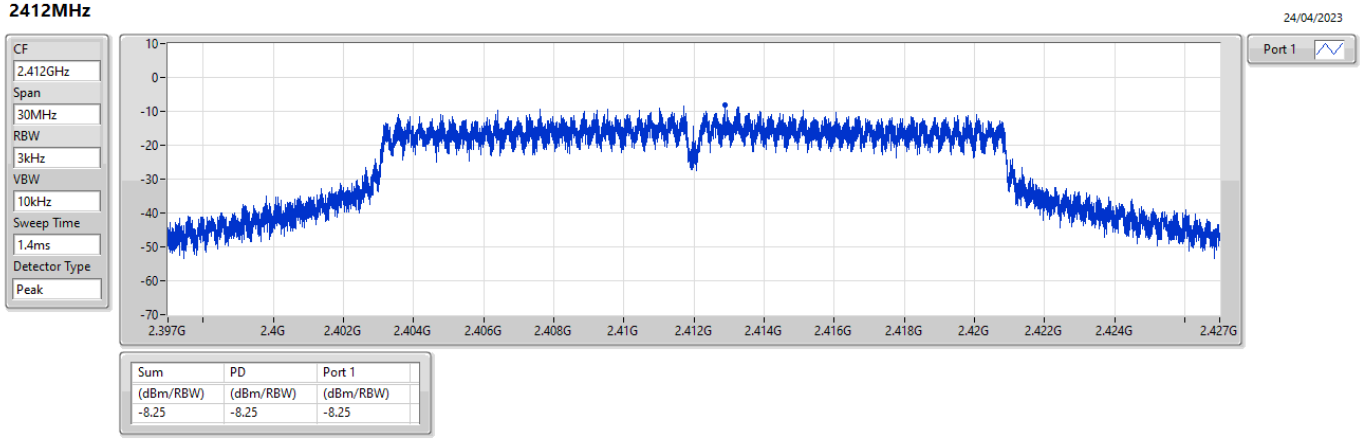
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **PSD**

2462MHz



2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX **PSD**

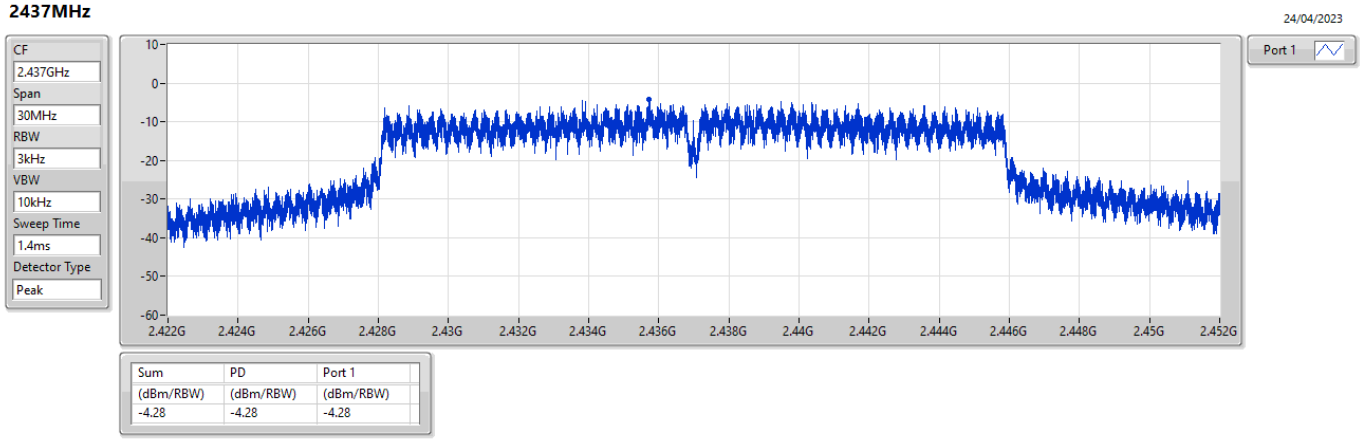
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.25	-8.25	-8.25

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX **PSD**

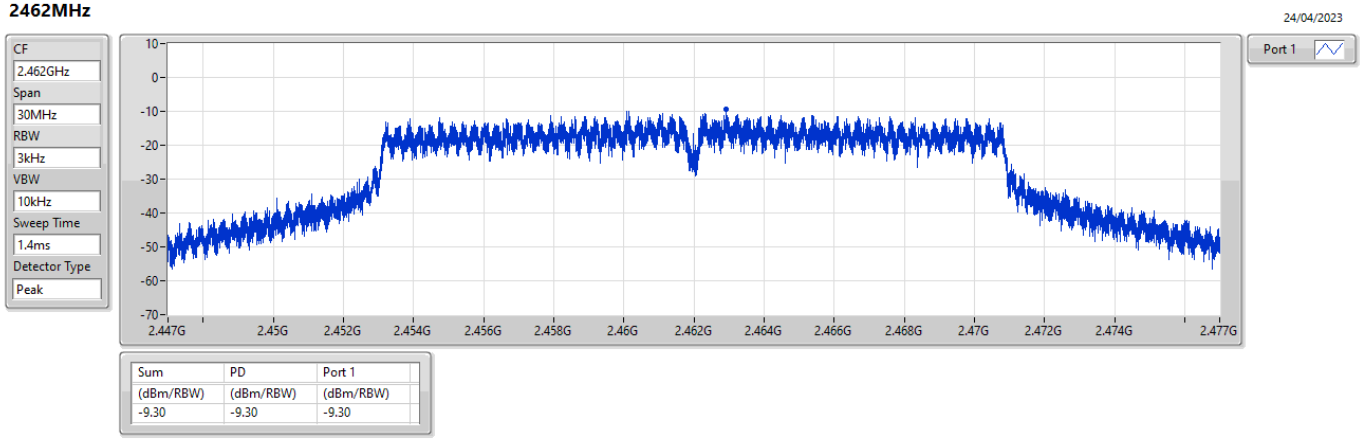
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.28	-4.28	-4.28

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX **PSD**

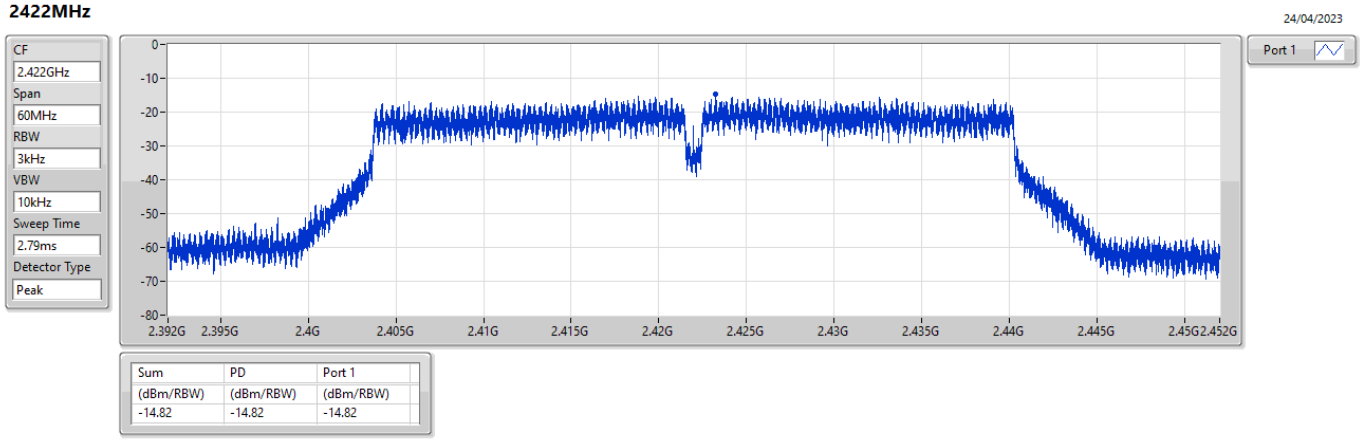
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.30	-9.30	-9.30

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX **PSD**

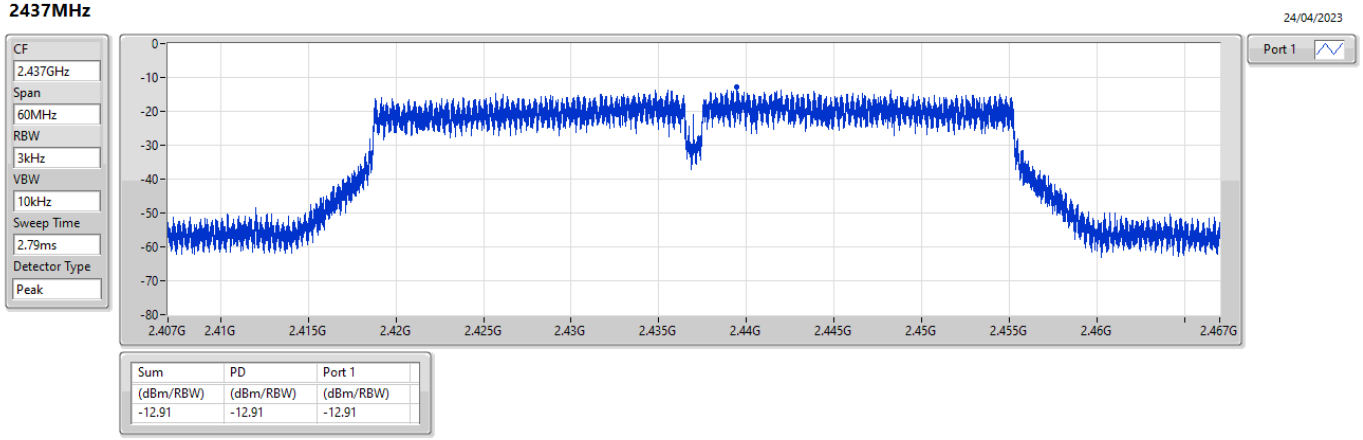
2422MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.82	-14.82	-14.82

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX **PSD**

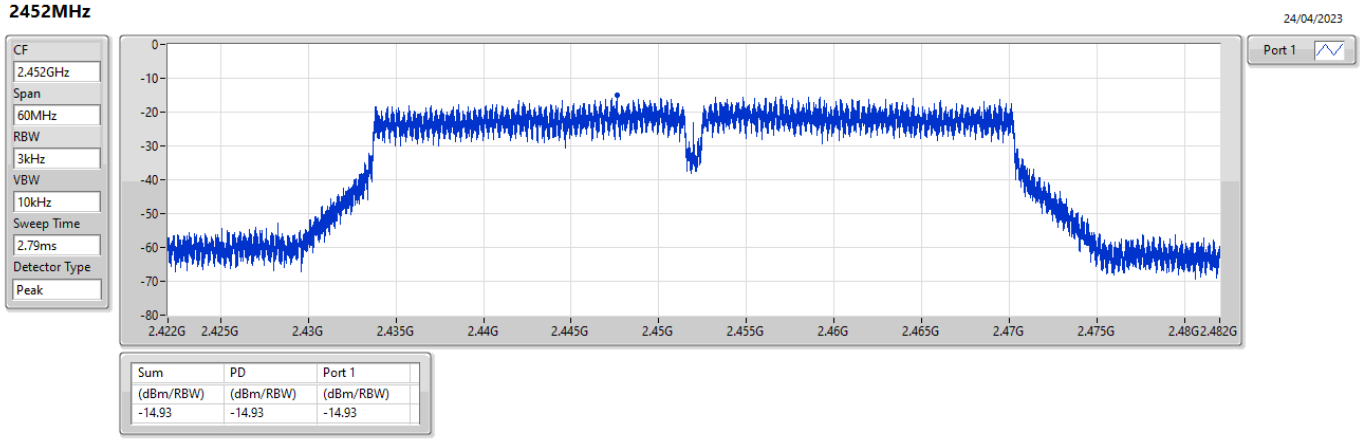
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.91	-12.91	-12.91

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX **PSD**

2452MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.93	-14.93	-14.93

Summary

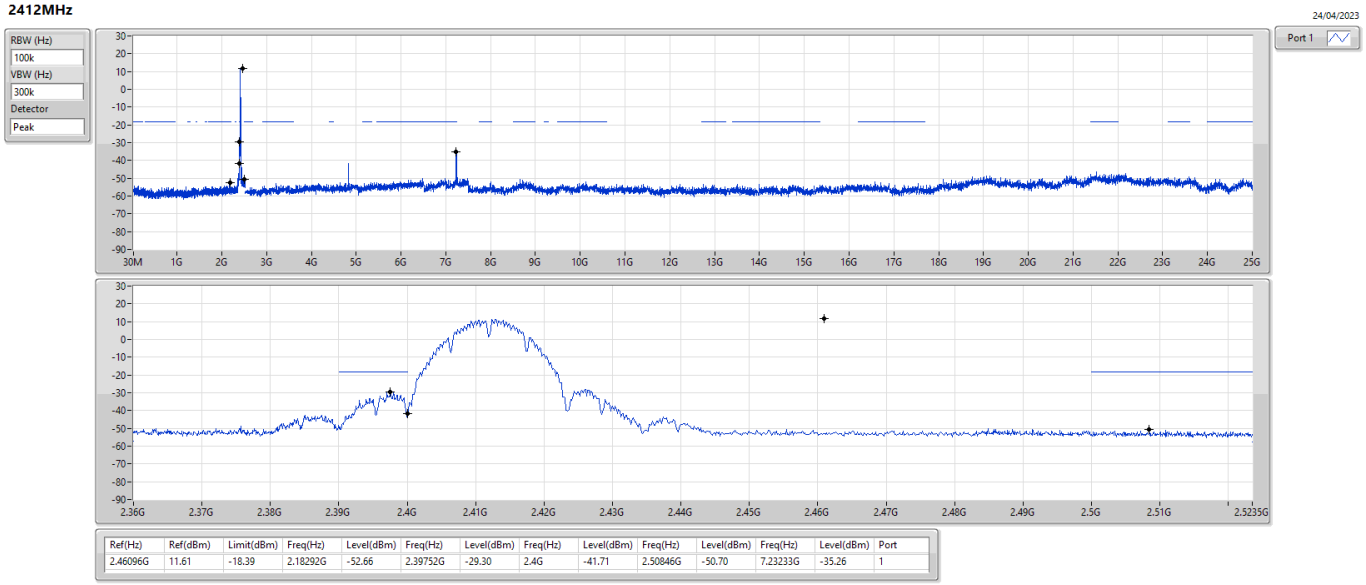
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.46096G	11.61	-18.39	2.18292G	-52.66	2.39752G	-29.30	2.4G	-41.71	2.50846G	-50.70	7.23233G	-35.26	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43574G	12.33	-17.67	42.82M	-53.58	2.39984G	-18.43	2.4G	-18.90	2.50006G	-49.72	7.24076G	-40.17	1
VHT20_Nss1,(MCS0)_1TX	Pass	2.43574G	12.08	-17.92	2.12584G	-53.99	2.39952G	-19.51	2.4G	-18.72	2.50238G	-50.12	7.23514G	-42.40	1
VHT40_Nss1,(MCS0)_1TX	Pass	2.44208G	2.31	-27.69	2.14482G	-54.06	2.39968G	-34.94	2.4G	-38.05	2.50446G	-48.95	21.59246G	-46.61	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.46096G	11.61	-18.39	2.18292G	-52.66	2.39752G	-29.30	2.4G	-41.71	2.50846G	-50.70	7.23233G	-35.26	1
2437MHz	Pass	2.46096G	11.61	-18.39	2.08739G	-54.21	2.39792G	-50.59	2.4G	-52.44	2.5019G	-50.29	21.96848G	-47.47	1
2462MHz	Pass	2.46096G	11.61	-18.39	2.16778G	-53.98	2.39504G	-51.23	2.4G	-54.47	2.50134G	-47.71	21.46276G	-47.01	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	12.33	-17.67	42.82M	-53.58	2.39984G	-18.43	2.4G	-18.90	2.50006G	-49.72	7.24076G	-40.17	1
2437MHz	Pass	2.43574G	12.33	-17.67	62.62M	-54.69	2.39856G	-34.01	2.4G	-34.91	2.50198G	-43.19	21.47962G	-46.40	1
2462MHz	Pass	2.43574G	12.33	-17.67	43.98M	-53.89	2.4G	-50.75	2.4G	-53.44	2.5027G	-48.35	21.49648G	-47.18	1
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	12.08	-17.92	2.12584G	-53.99	2.39952G	-19.51	2.4G	-18.72	2.50238G	-50.12	7.23514G	-42.40	1
2437MHz	Pass	2.43574G	12.08	-17.92	2.30525G	-48.97	2.39928G	-22.21	2.4G	-23.45	2.50166G	-25.83	2.5235G	-38.56	1
2462MHz	Pass	2.43574G	12.08	-17.92	2.13399G	-53.52	2.39736G	-50.31	2.4G	-53.51	2.50046G	-48.37	21.56391G	-47.03	1
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44208G	2.31	-27.69	32.29M	-53.55	2.39712G	-35.32	2.4G	-36.09	2.50158G	-50.70	21.58404G	-46.17	1
2437MHz	Pass	2.44208G	2.31	-27.69	2.14482G	-54.06	2.39968G	-34.94	2.4G	-38.05	2.50446G	-48.95	21.59246G	-46.61	1
2452MHz	Pass	2.44208G	2.31	-27.69	49.47M	-54.40	2.39712G	-51.47	2.4G	-52.07	2.50126G	-48.09	21.61489G	-47.86	1

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX CSENdB

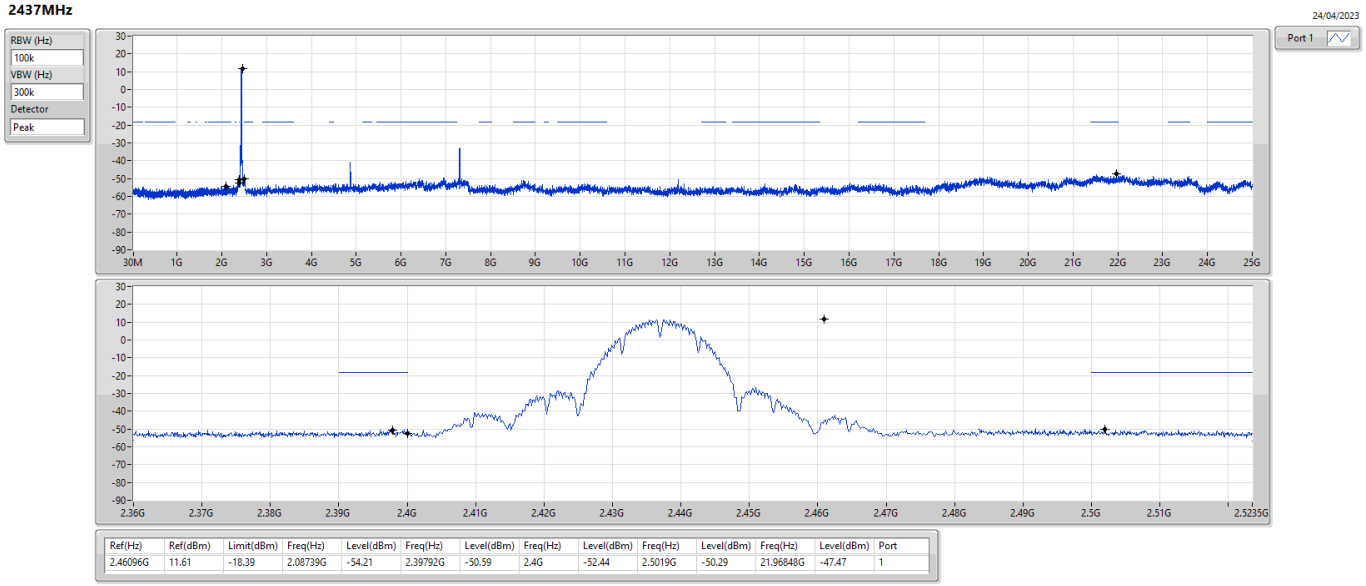
2412MHz



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
2.46096G	11.61	-18.39	2.18292G	-52.66	2.39752G	-29.30	2.4G	-41.71	2.50846G	-50.70	7.23233G	-35.26	1

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX CSENdB

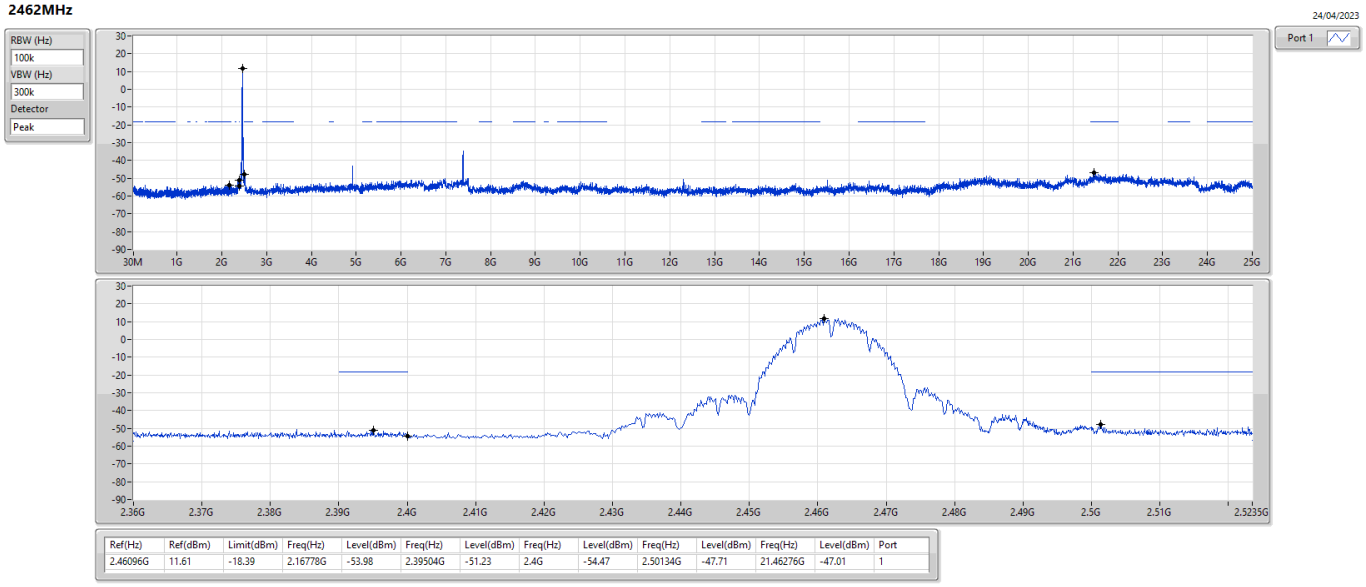
2437MHz



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
2.46096G	11.61	-18.39	2.08739G	-54.21	2.39792G	-50.59	2.4G	-52.44	2.5019G	-50.29	21.96848G	-47.47	1

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX CSENdB

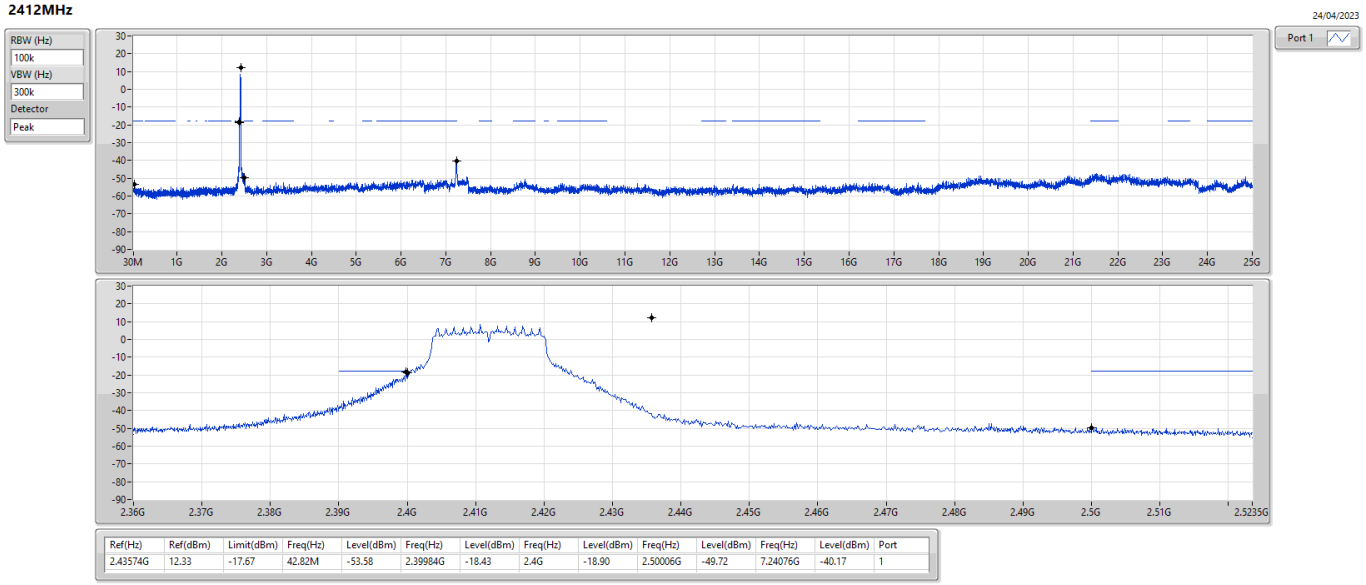
2462MHz



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
2.46096G	11.61	-18.39	2.16778G	-53.98	2.39504G	-51.23	2.4G	-54.47	2.50134G	-47.71	21.46276G	-47.01	1

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX CSENdB

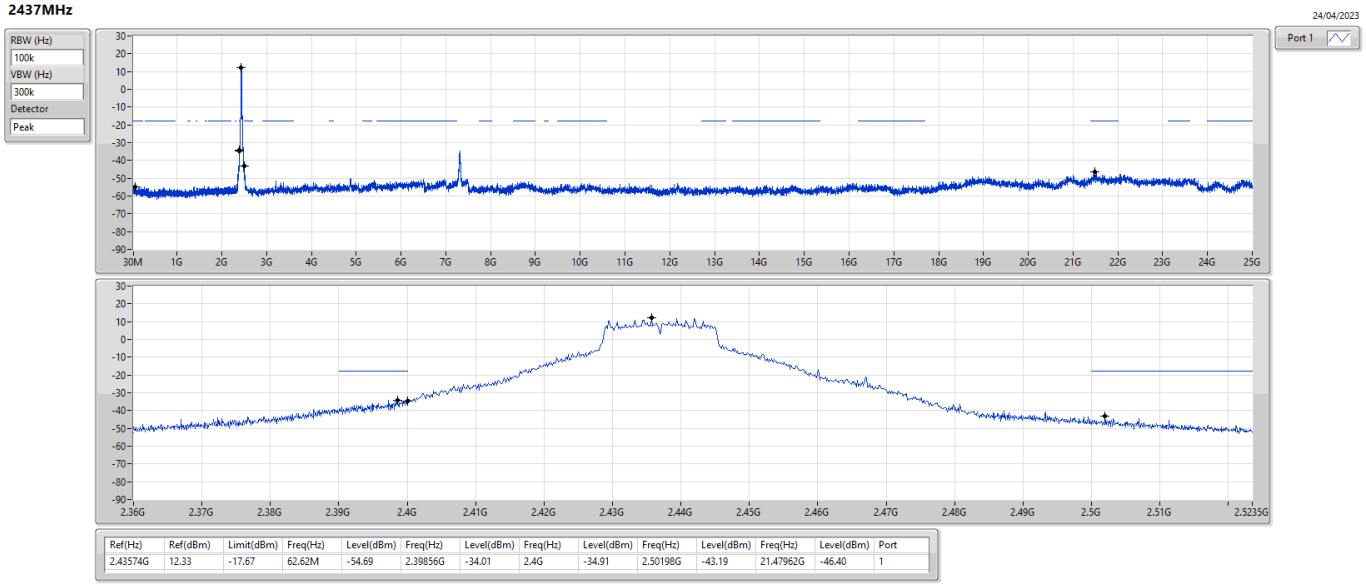
2412MHz



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
2.43574G	12.33	-17.67	42.82M	-53.58	2.39984G	-18.43	2.4G	-18.90	2.50006G	-49.72	7.24076G	-40.17	1

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX CSENdB

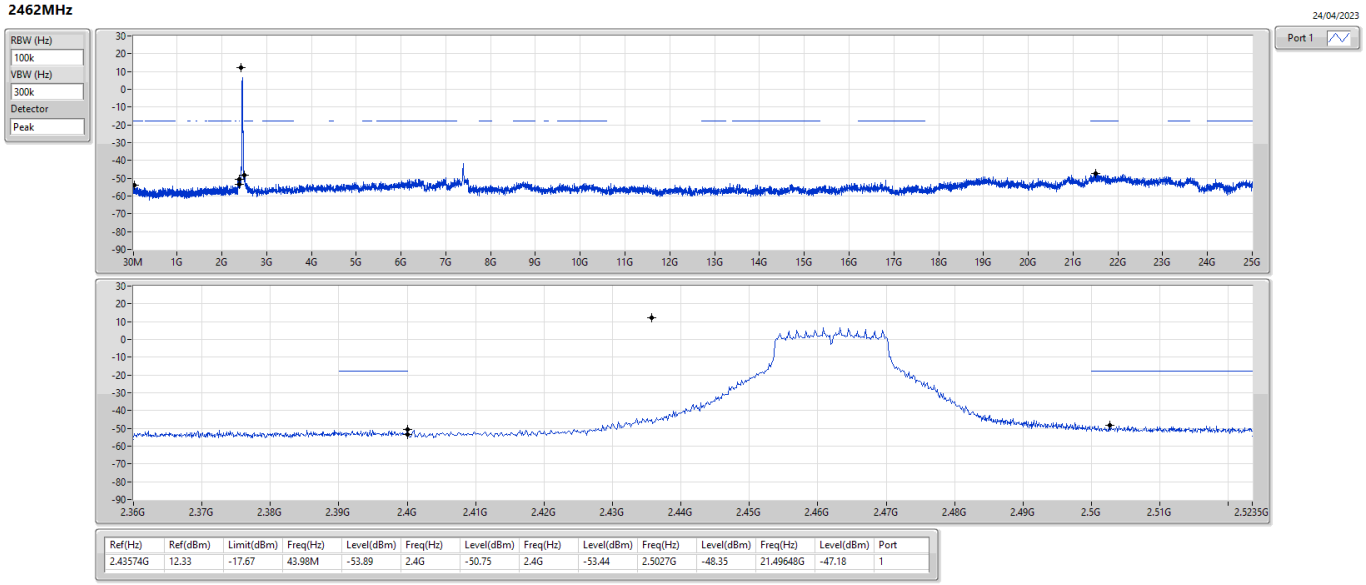
2437MHz



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
2.43574G	12.33	-17.67	62.62M	-54.69	2.39856G	-34.01	2.4G	-34.91	2.50198G	-43.19	21.47962G	-46.40	1

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX CSENdB

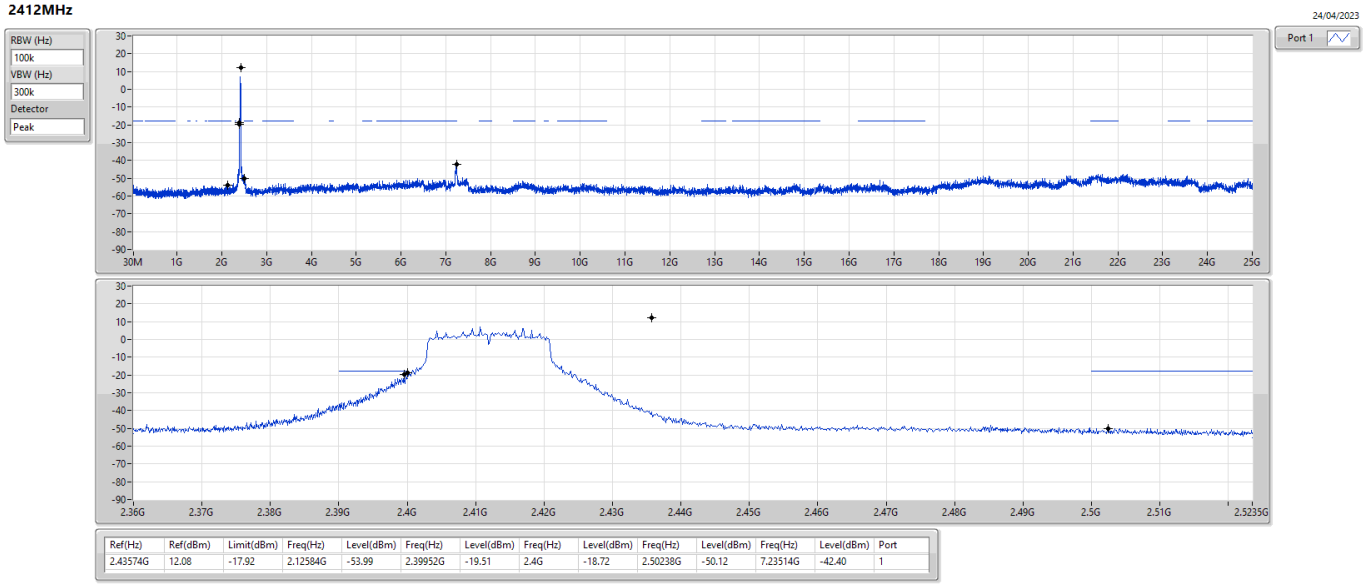
2462MHz



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
2.43574G	12.33	-17.67	43.98M	-53.89	2.4G	-50.75	2.4G	-53.44	2.5027G	-48.35	21.49648G	-47.18	1

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX CSENdB

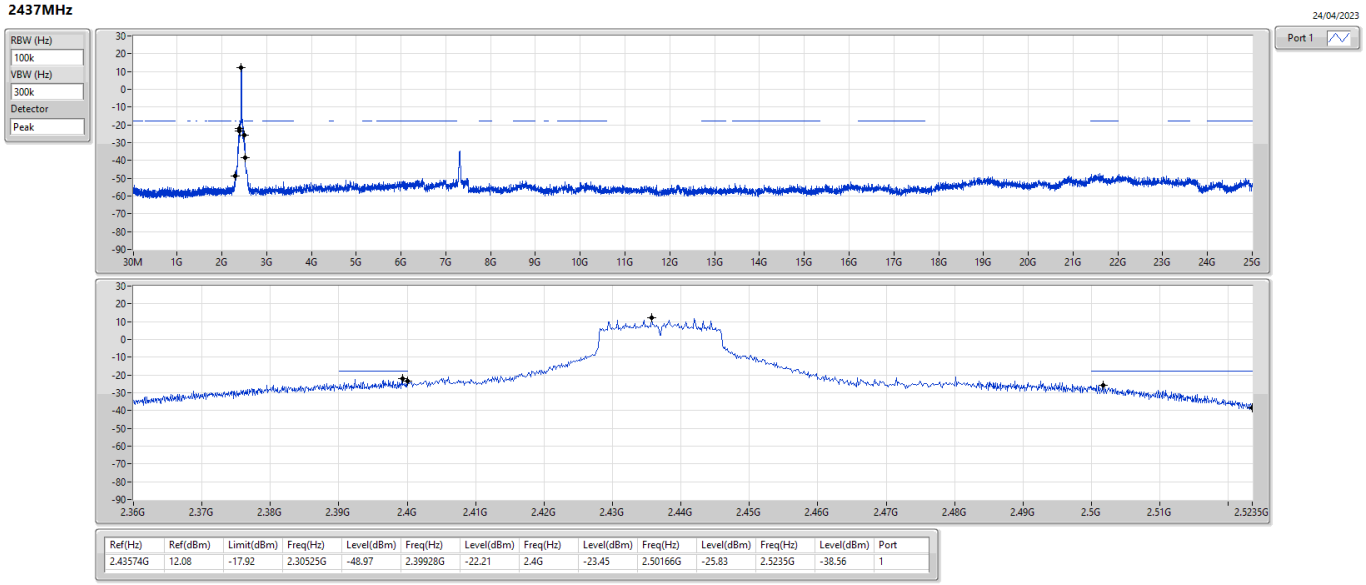
2412MHz



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
2.43574G	12.08	-17.92	2.12584G	-53.99	2.39952G	-19.51	2.4G	-18.72	2.50238G	-50.12	7.23514G	-42.40	1

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX CSENdB

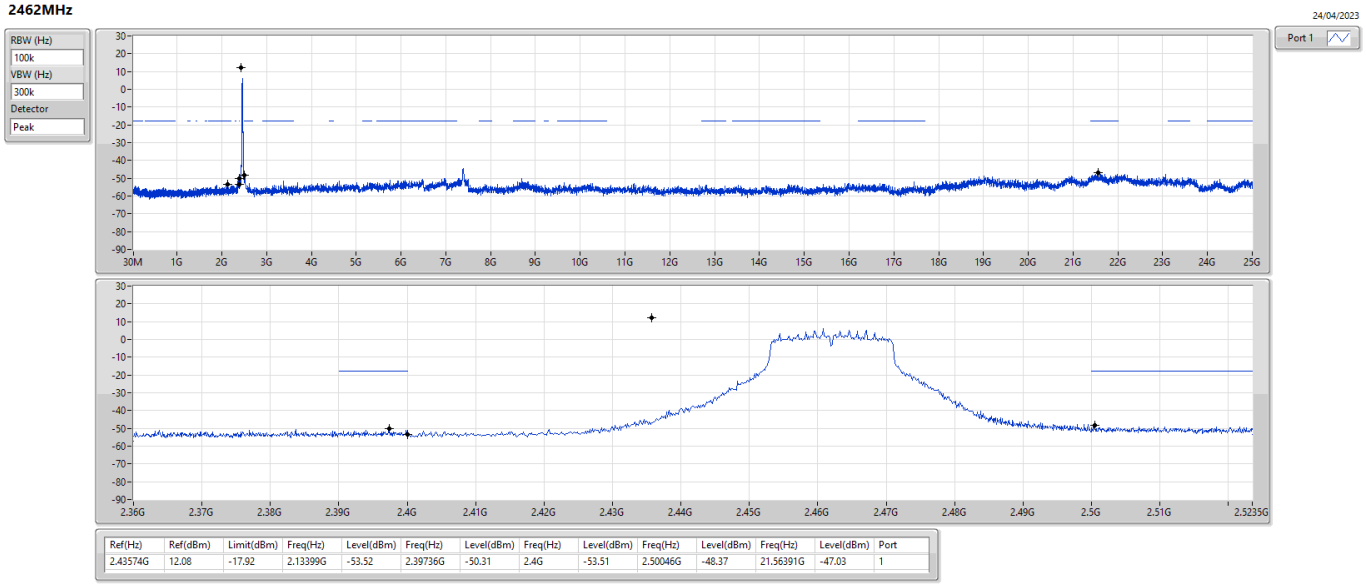
2437MHz



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
2.43574G	12.08	-17.92	2.30525G	-48.97	2.39928G	-22.21	2.4G	-23.45	2.50166G	-25.83	2.5235G	-38.56	1

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX CSENdB

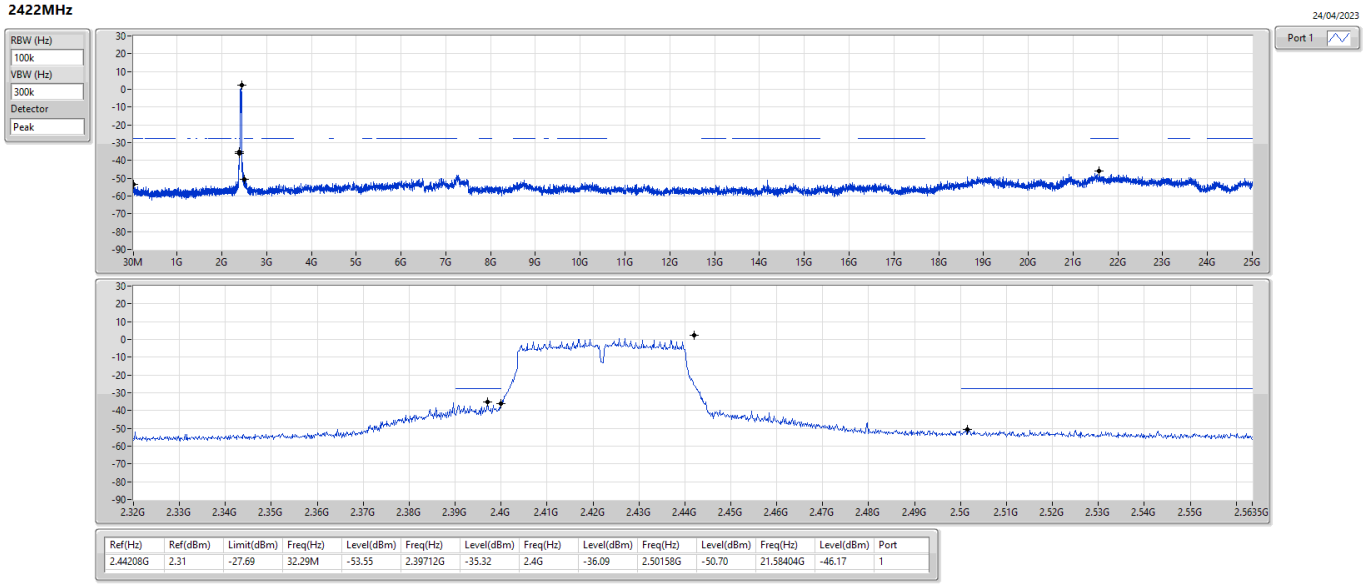
2462MHz



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
2.43574G	12.08	-17.92	2.13399G	-53.52	2.39736G	-50.31	2.4G	-53.51	2.50046G	-48.37	21.56391G	-47.03	1

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX CSENdB

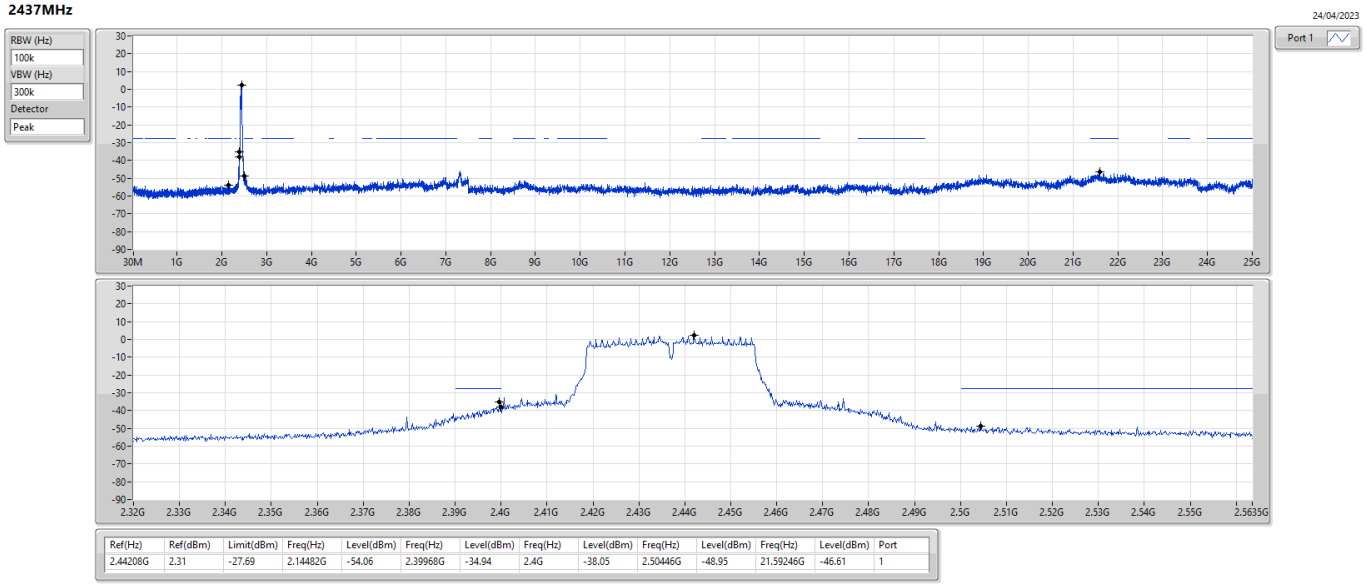
2422MHz



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
2.44208G	2.31	-27.69	32.29M	-53.55	2.39712G	-35.32	2.4G	-36.09	2.50158G	-50.70	21.58404G	-46.17	1

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX CSENdB

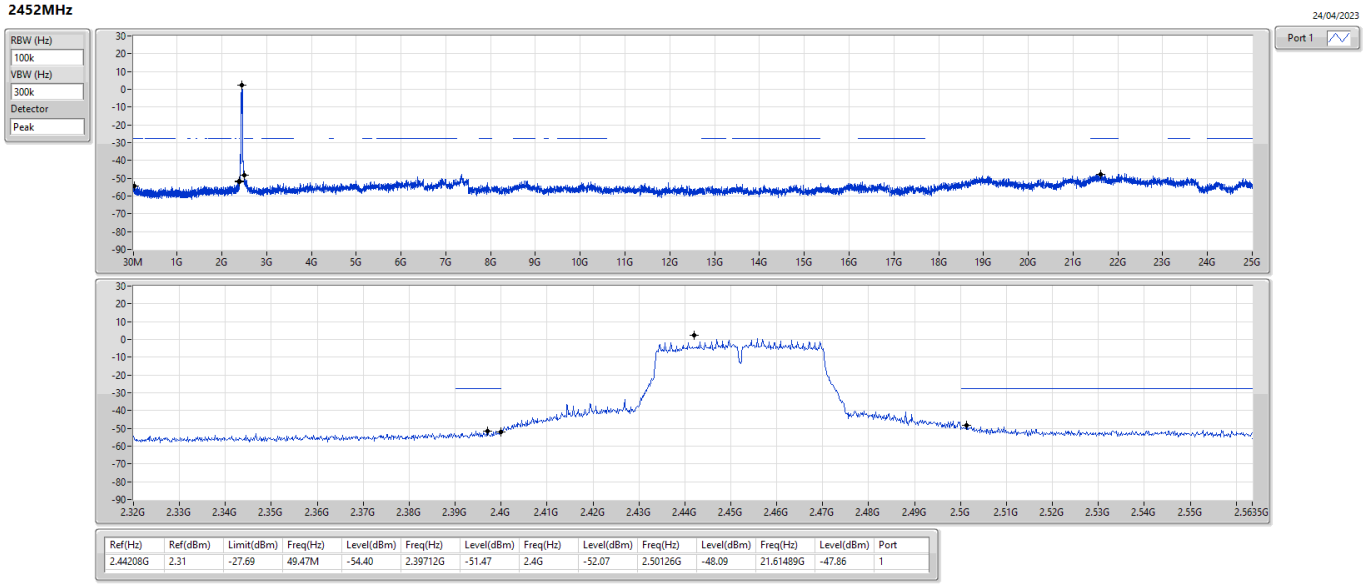
2437MHz



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
2.44208G	2.31	-27.69	2.14482G	-54.06	2.39968G	-34.94	2.4G	-38.05	2.50446G	-48.95	21.59246G	-46.61	1

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX CSENdB

2452MHz

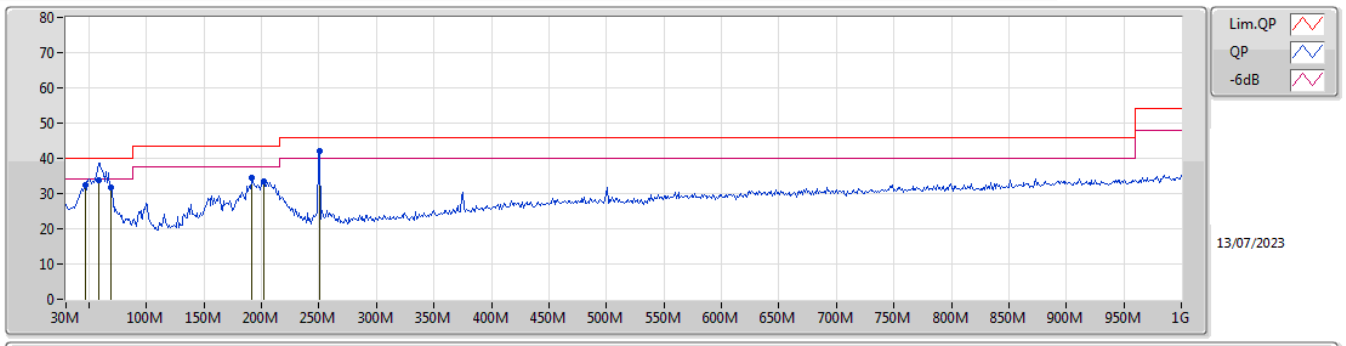


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44208G	2.31	-27.69	49.47M	-54.40	2.39712G	-51.47	2.4G	-52.07	2.50126G	-48.09	21.61489G	-47.86	1

Summary

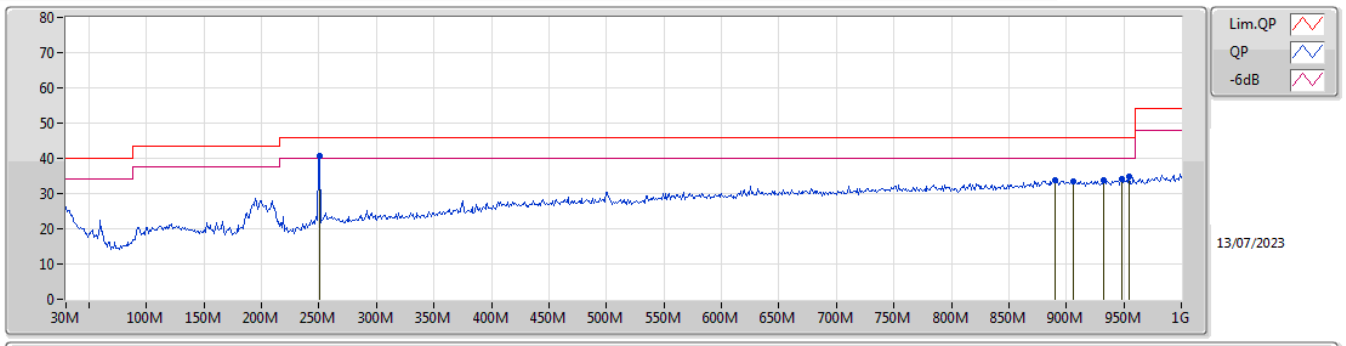
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	250.19M	41.93	46.00	-4.07	Vertical

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)		(dBuV)	(dB)	(dB)	(dB)
PK	46.49M	32.26	40.00	-7.74	-15.09	3	Vertical	359	1.00	-	47.35	15.52	1.22	31.83
QP	58.13M	33.63	40.00	-6.37	-18.11	3	Vertical	238	1.00	-	51.74	12.45	1.34	31.90
PK	68.8M	31.79	40.00	-8.21	-18.11	3	Vertical	316	1.50	-	49.90	12.35	1.44	31.90
PK	191.99M	34.63	43.50	-8.87	-14.52	3	Vertical	358	1.00	-	49.15	15.12	2.37	32.01
PK	201.69M	33.33	43.50	-10.17	-14.24	3	Vertical	0	1.50	-	47.57	15.34	2.43	32.01
PK	250.19M	41.93	46.00	-4.07	-11.04	3	Vertical	315	1.00	"Worst"	52.97	18.28	2.72	32.04

Mode 1



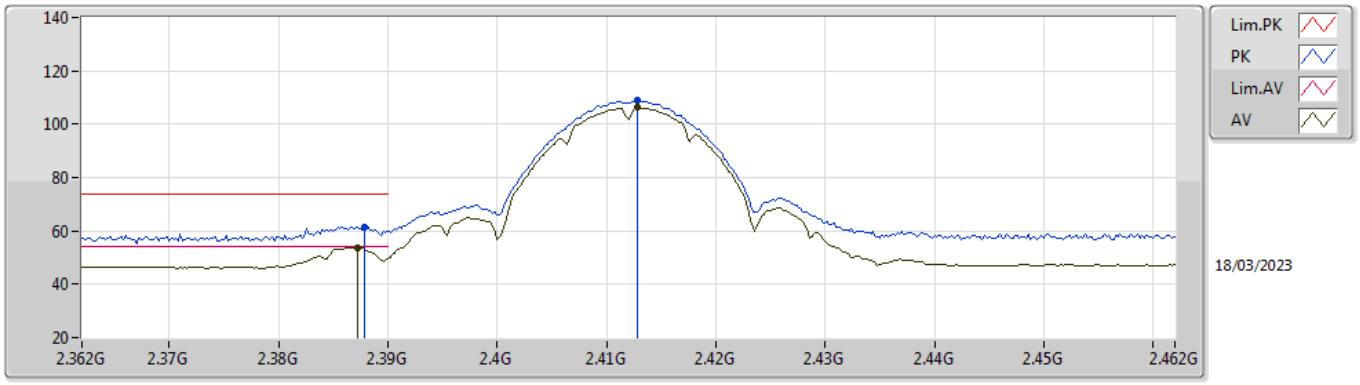
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	250.19M	40.62	46.00	-5.38	-11.04	3	Horizontal	98	1.25	"Worst"	51.66	18.28	2.72	32.04
PK	890.39M	33.85	46.00	-12.15	-0.55	3	Horizontal	272	1.00	-	34.40	26.31	5.62	32.48
PK	905.91M	33.61	46.00	-12.39	-0.41	3	Horizontal	351	1.00	-	34.02	26.38	5.67	32.46
PK	932.1M	33.93	46.00	-12.07	-0.30	3	Horizontal	338	3.00	-	34.23	26.53	5.68	32.51
PK	948.59M	34.21	46.00	-11.79	-0.16	3	Horizontal	360	1.00	-	34.37	26.70	5.69	32.55
PK	954.41M	34.73	46.00	-11.27	-0.03	3	Horizontal	220	3.00	-	34.76	26.78	5.71	32.52

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	-	-	-	-	-	-	-	-	-	-	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.3898G	53.99	54.00	-0.01	3	Vertical	0	1.17	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

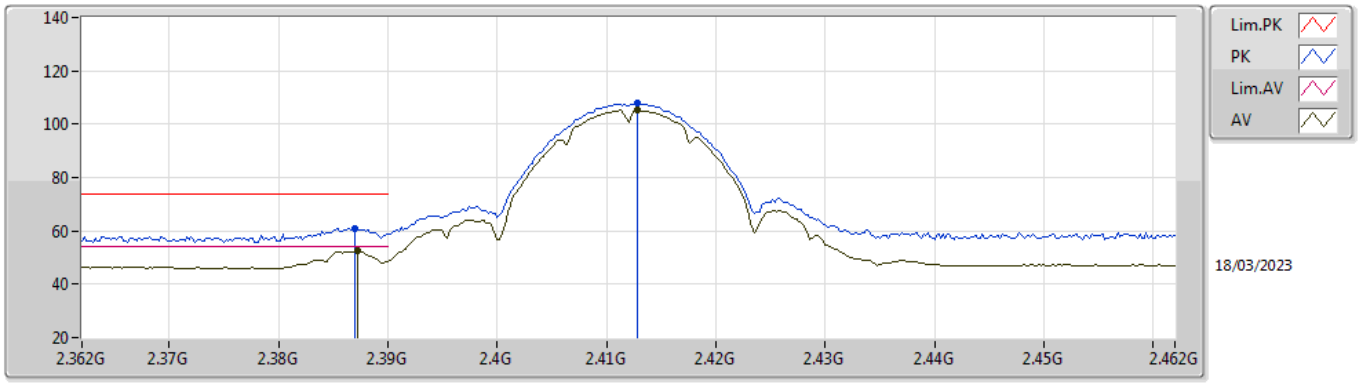


EUT Y_1TX
Setting 22
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3878G	61.47	74.00	-12.53	30.10	3	Vertical	10	1.77	-	27.78	3.59	-
AV	2.3872G	53.85	54.00	-0.15	22.49	3	Vertical	10	1.77	-	27.77	3.59	-
PK	2.4128G	108.75	Inf	-Inf	77.31	3	Vertical	10	1.77	-	27.83	3.61	-
AV	2.4128G	106.17	Inf	-Inf	74.73	3	Vertical	10	1.77	-	27.83	3.61	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

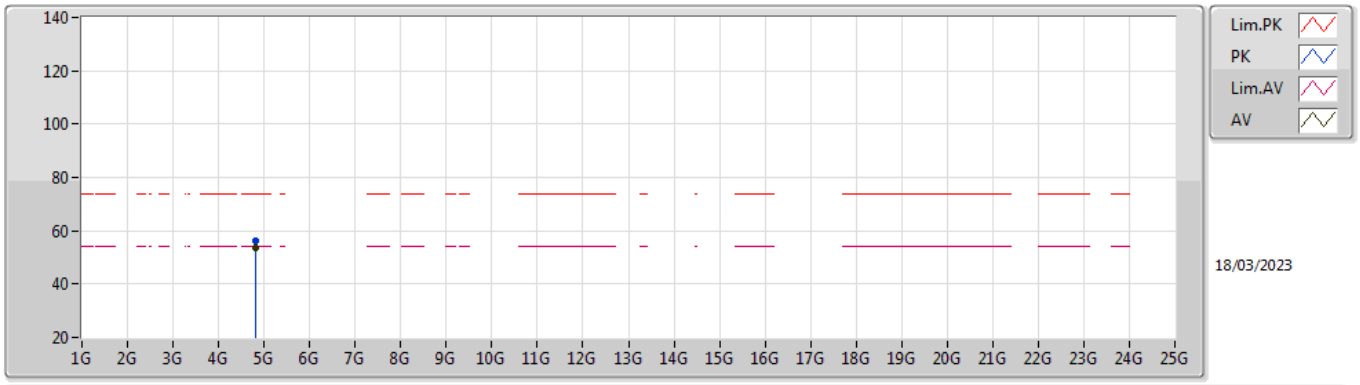


EUT Y_1TX
Setting 22
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.387G	61.05	74.00	-12.95	29.69	3	Horizontal	315	1.22	-	27.77	3.59	-
AV	2.3872G	52.57	54.00	-1.43	21.21	3	Horizontal	315	1.22	-	27.77	3.59	-
PK	2.4128G	107.79	Inf	-Inf	76.35	3	Horizontal	315	1.22	-	27.83	3.61	-
AV	2.4128G	105.28	Inf	-Inf	73.84	3	Horizontal	315	1.22	-	27.83	3.61	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

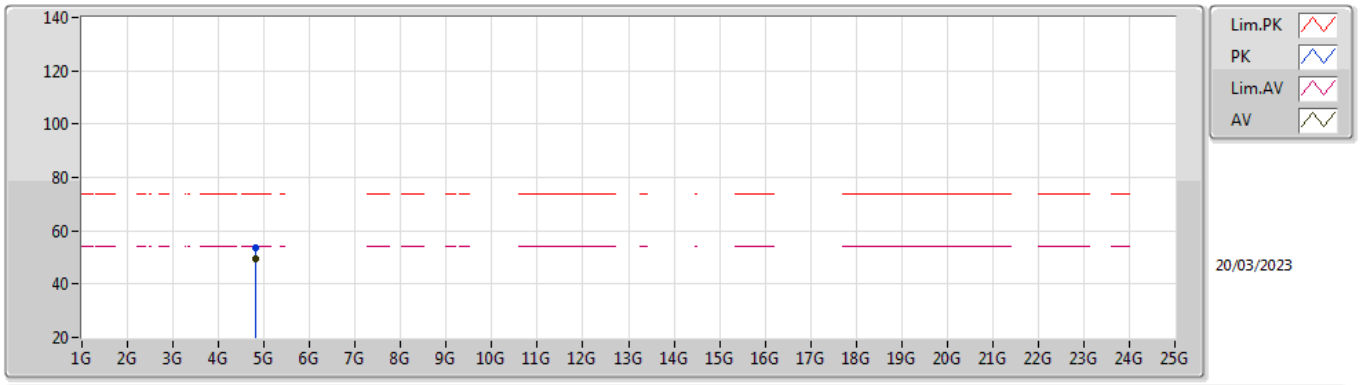


EUT X_1TX
Setting 21
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82384G	56.37	74.00	-17.63	50.70	3	Vertical	330	2.12	-	32.84	5.72	32.89
AV	4.82396G	53.79	54.00	-0.21	48.12	3	Vertical	330	2.12	-	32.84	5.72	32.89

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

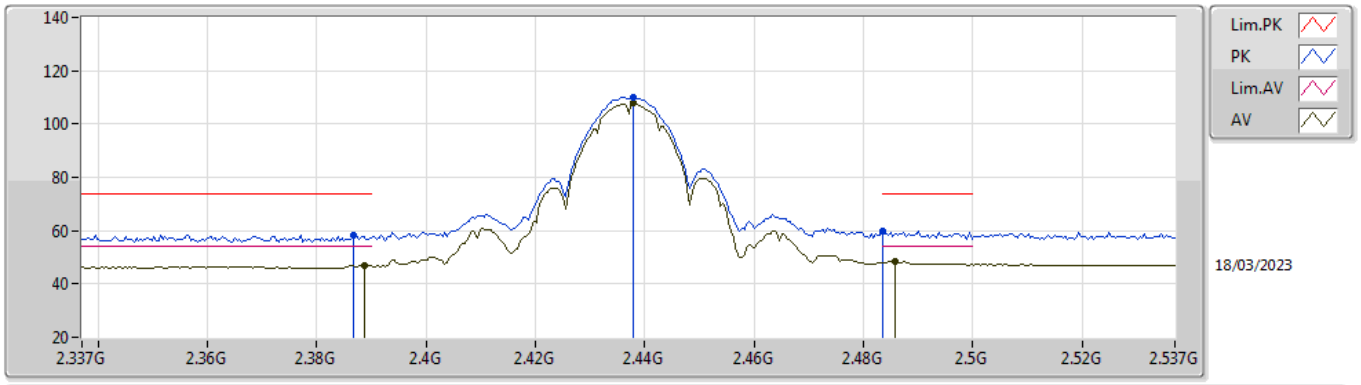


EUT X_1TX
Setting 21
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82396G	53.39	74.00	-20.61	47.72	3	Horizontal	42	3.00	-	32.84	5.72	32.89
AV	4.82396G	49.66	54.00	-4.34	43.99	3	Horizontal	42	3.00	-	32.84	5.72	32.89

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

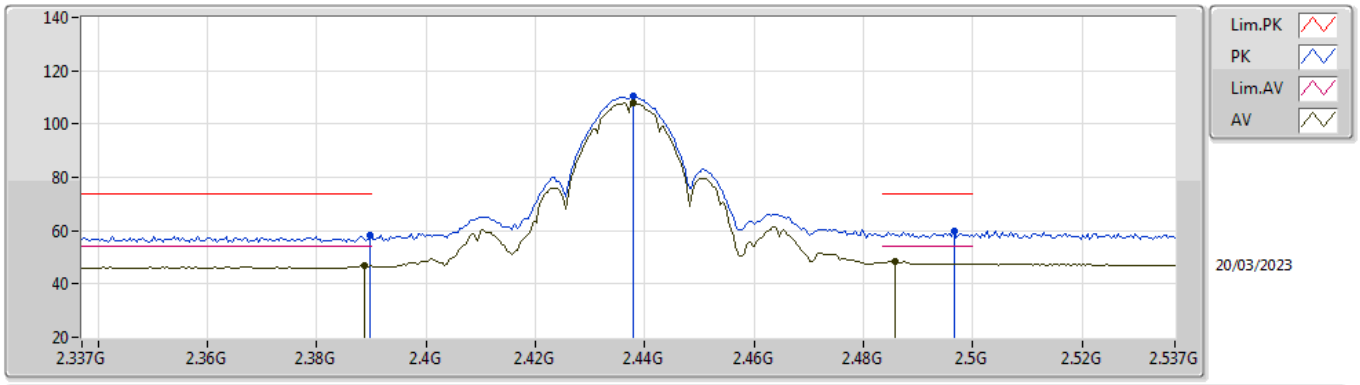


EUT Y_1TX
Setting 26
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3866G	58.34	74.00	-15.66	26.98	3	Vertical	11	1.95	-	27.77	3.59	-
AV	2.3886G	46.71	54.00	-7.29	15.34	3	Vertical	11	1.95	-	27.78	3.59	-
PK	2.4378G	110.15	Inf	-Inf	78.65	3	Vertical	11	1.95	-	27.88	3.62	-
AV	2.4378G	107.73	Inf	-Inf	76.23	3	Vertical	11	1.95	-	27.88	3.62	-
PK	2.4835G	59.72	74.00	-14.28	27.98	3	Vertical	11	1.95	-	28.10	3.64	-
AV	2.4858G	48.61	54.00	-5.39	16.86	3	Vertical	11	1.95	-	28.11	3.64	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

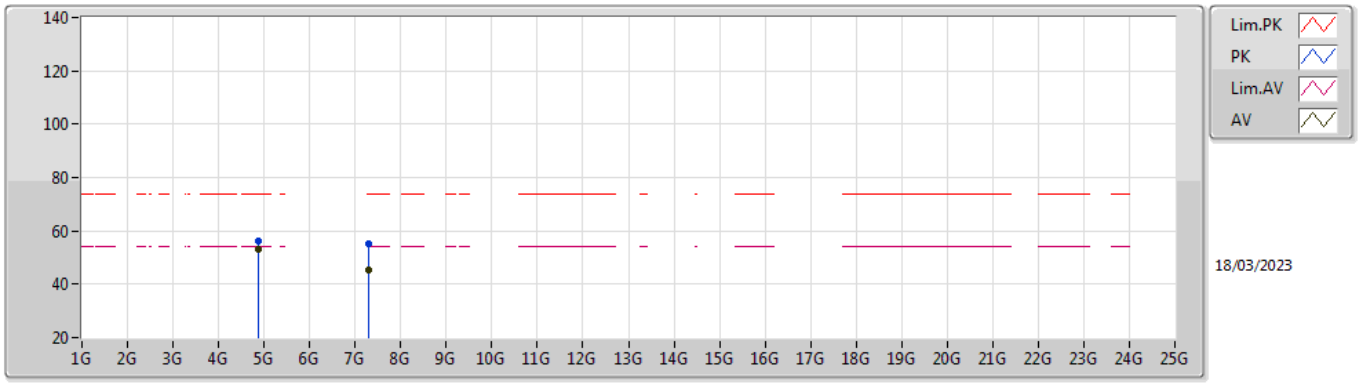


EUT Y_1TX
Setting 26
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	58.23	74.00	-15.77	26.86	3	Horizontal	324	1.08	-	27.78	3.59	-
AV	2.3886G	46.71	54.00	-7.29	15.34	3	Horizontal	324	1.08	-	27.78	3.59	-
PK	2.4378G	110.27	Inf	-Inf	78.77	3	Horizontal	324	1.08	-	27.88	3.62	-
AV	2.4378G	107.84	Inf	-Inf	76.34	3	Horizontal	324	1.08	-	27.88	3.62	-
PK	2.4966G	60.02	74.00	-13.98	28.19	3	Horizontal	324	1.08	-	28.18	3.65	-
AV	2.4858G	48.61	54.00	-5.39	16.86	3	Horizontal	324	1.08	-	28.11	3.64	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

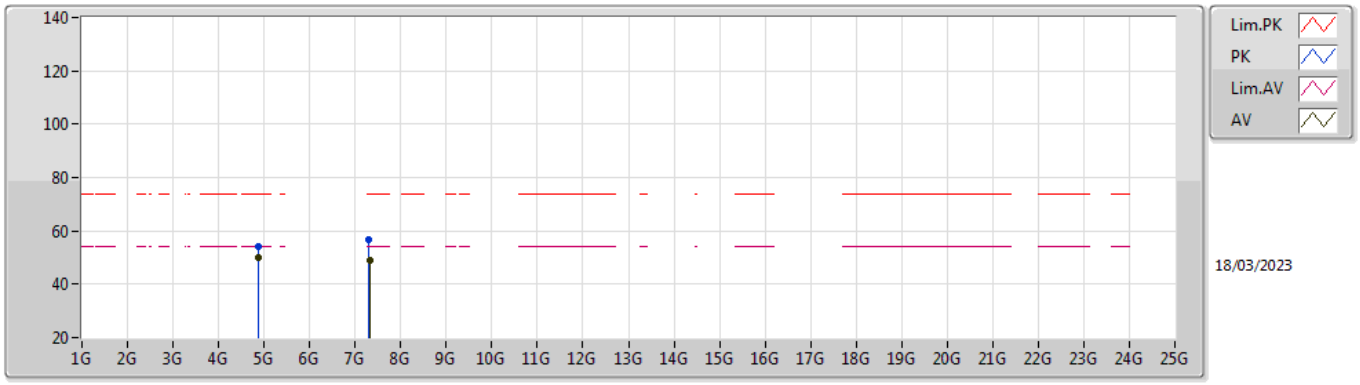


EUT X_1TX
Setting 21
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.874G	56.18	74.00	-17.82	50.29	3	Vertical	333	1.93	-	33.00	5.77	32.88
AV	4.87396G	53.25	54.00	-0.75	47.36	3	Vertical	333	1.93	-	33.00	5.77	32.88
PK	7.30956G	55.42	74.00	-18.58	43.85	3	Vertical	320	1.89	-	37.60	7.15	33.18
AV	7.3102G	45.29	54.00	-8.71	33.71	3	Vertical	320	1.89	-	37.60	7.16	33.18

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

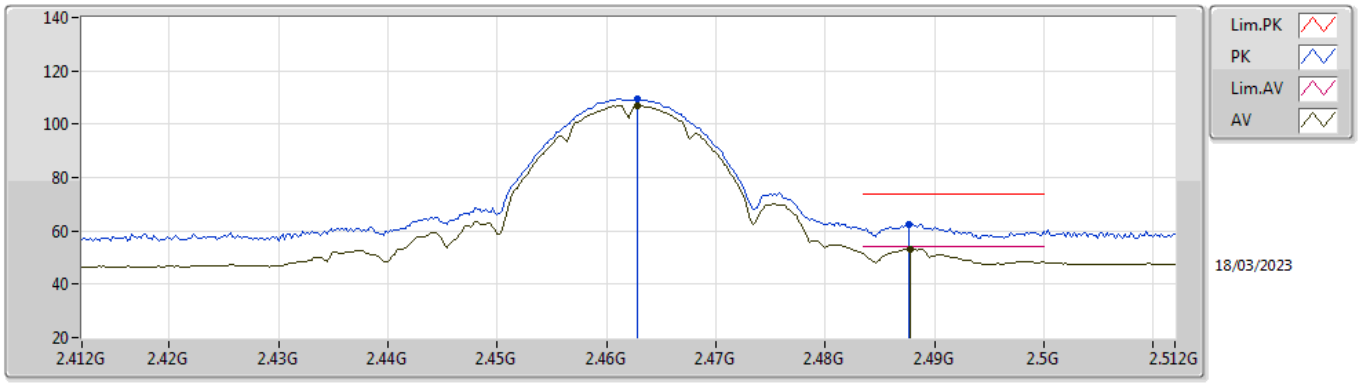


EUT X_1TX
Setting 21
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87384G	54.29	74.00	-19.71	48.40	3	Horizontal	36	2.50	-	33.00	5.77	32.88
AV	4.87392G	50.07	54.00	-3.93	44.18	3	Horizontal	36	2.50	-	33.00	5.77	32.88
PK	7.31004G	56.86	74.00	-17.14	45.28	3	Horizontal	56	1.80	-	37.60	7.16	33.18
AV	7.31176G	49.12	54.00	-4.88	37.54	3	Horizontal	56	1.80	-	37.60	7.16	33.18

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

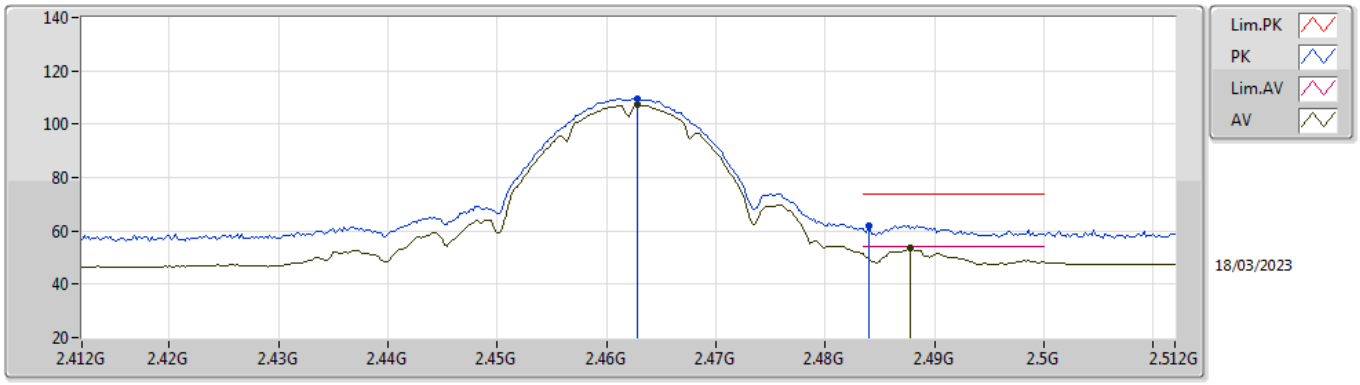


EUT Y_1TX
Setting 20.5
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4628G	109.52	Inf	-Inf	77.91	3	Vertical	8	1.32	-	27.98	3.63	-
AV	2.4628G	107.11	Inf	-Inf	75.50	3	Vertical	8	1.32	-	27.98	3.63	-
PK	2.4876G	62.56	74.00	-11.44	30.79	3	Vertical	8	1.32	-	28.13	3.64	-
AV	2.4878G	53.34	54.00	-0.66	21.57	3	Vertical	8	1.32	-	28.13	3.64	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

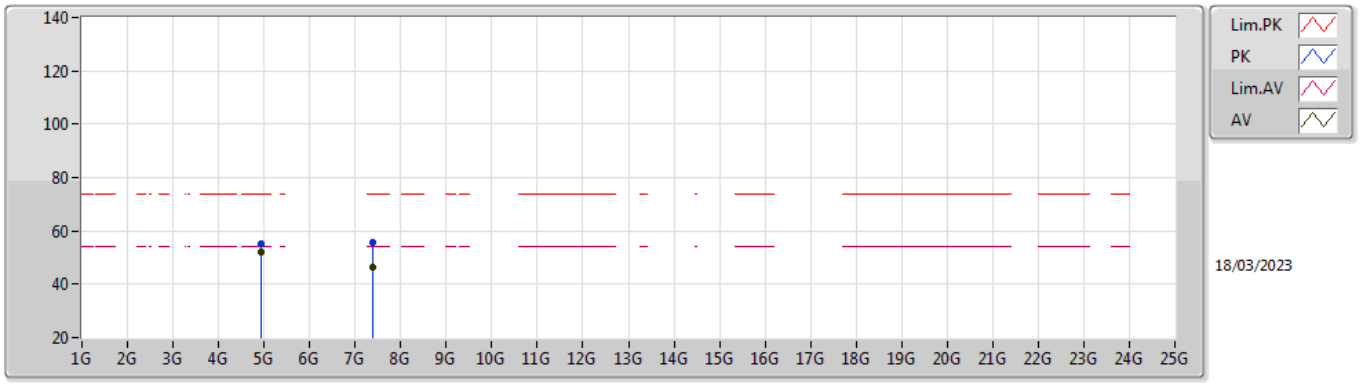


EUT Y_1TX
Setting 20.5
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4628G	109.63	Inf	-Inf	78.02	3	Horizontal	300	2.54	-	27.98	3.63	-
AV	2.4628G	107.20	Inf	-Inf	75.59	3	Horizontal	300	2.54	-	27.98	3.63	-
PK	2.484G	62.15	74.00	-11.85	30.41	3	Horizontal	300	2.54	-	28.10	3.64	-
AV	2.4878G	53.48	54.00	-0.52	21.71	3	Horizontal	300	2.54	-	28.13	3.64	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

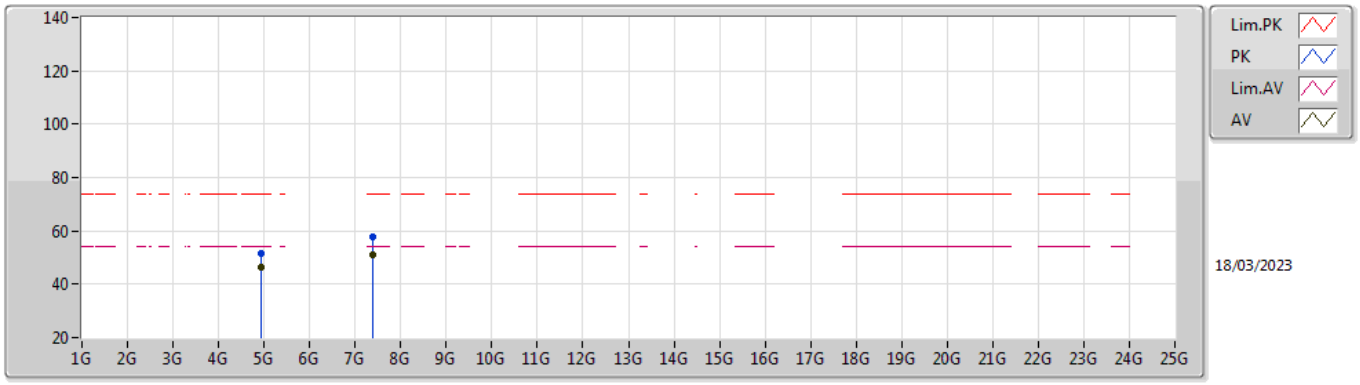


EUT X_1TX
Setting 20.5
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.924G	55.43	74.00	-18.57	49.48	3	Vertical	336	2.03	-	33.00	5.82	32.87
AV	4.92396G	52.19	54.00	-1.81	46.24	3	Vertical	336	2.03	-	33.00	5.82	32.87
PK	7.38528G	55.56	74.00	-18.44	44.06	3	Vertical	350	1.79	-	37.53	7.19	33.22
AV	7.38672G	46.59	54.00	-7.41	35.09	3	Vertical	350	1.79	-	37.53	7.19	33.22

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

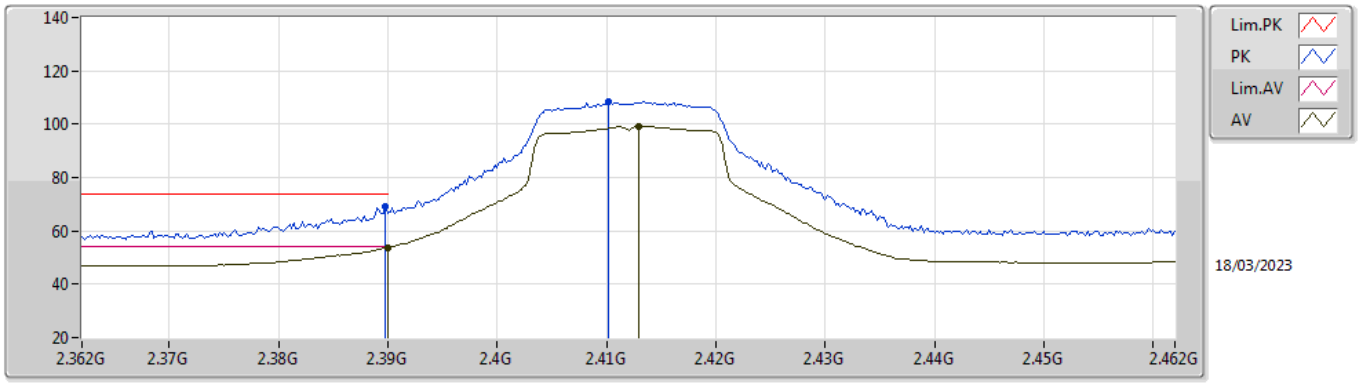


EUT X_1TX
Setting 20.5
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.924G	51.52	74.00	-22.48	45.57	3	Horizontal	253	1.78	-	33.00	5.82	32.87
AV	4.924G	46.16	54.00	-7.84	40.21	3	Horizontal	253	1.78	-	33.00	5.82	32.87
PK	7.38696G	57.60	74.00	-16.40	46.10	3	Horizontal	53	1.80	-	37.53	7.19	33.22
AV	7.3852G	51.13	54.00	-2.87	39.63	3	Horizontal	53	1.80	-	37.53	7.19	33.22

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

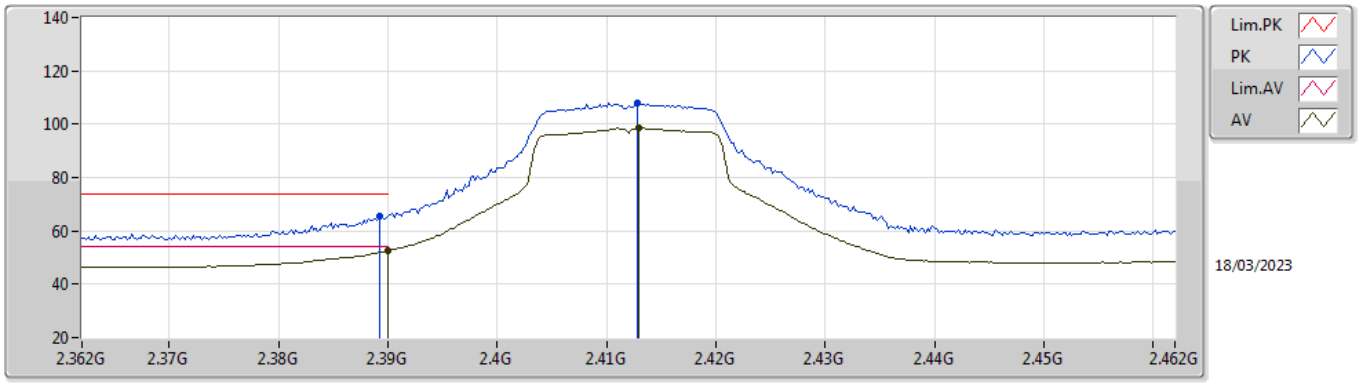


EUT Y_1TX
Setting 20
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	69.01	74.00	-4.99	37.64	3	Vertical	6	1.60	-	27.78	3.59	-
AV	2.39G	53.75	54.00	-0.25	22.38	3	Vertical	6	1.60	-	27.78	3.59	-
PK	2.4102G	108.38	Inf	-Inf	76.95	3	Vertical	6	1.60	-	27.82	3.61	-
AV	2.413G	99.26	Inf	-Inf	67.82	3	Vertical	6	1.60	-	27.83	3.61	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

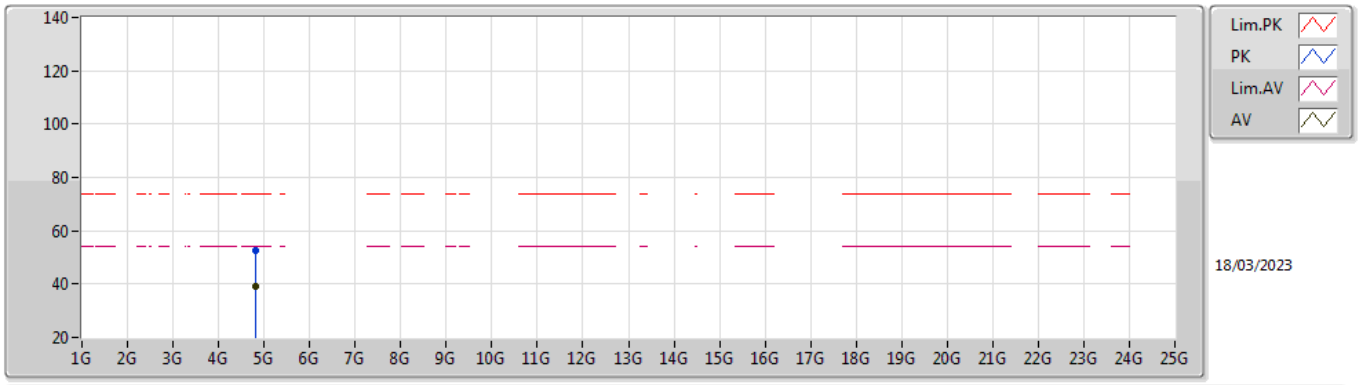


EUT Y_1TX
Setting 20
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3892G	65.57	74.00	-8.43	34.20	3	Horizontal	321	1.21	-	27.78	3.59	-
AV	2.39G	52.46	54.00	-1.54	21.09	3	Horizontal	321	1.21	-	27.78	3.59	-
PK	2.4128G	107.79	Inf	-Inf	76.35	3	Horizontal	321	1.21	-	27.83	3.61	-
AV	2.413G	98.56	Inf	-Inf	67.12	3	Horizontal	321	1.21	-	27.83	3.61	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

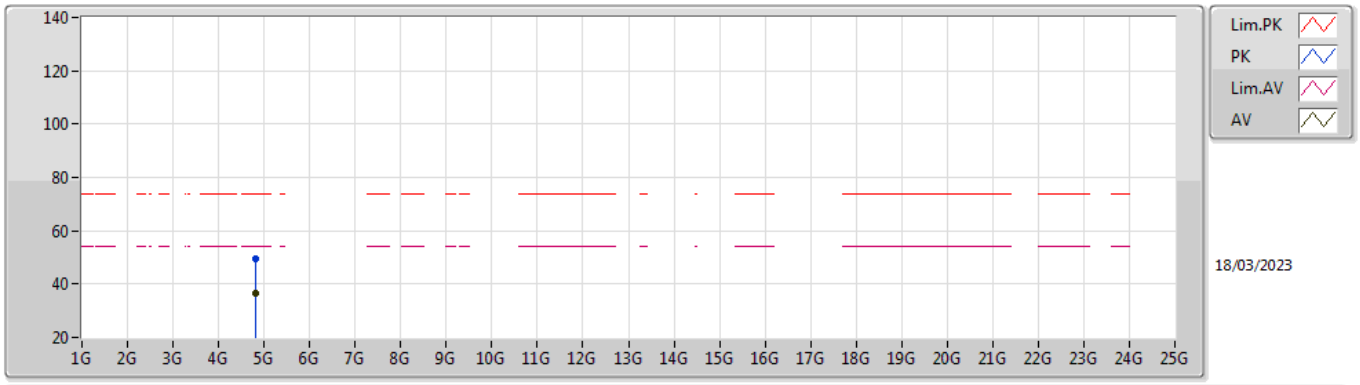


EUT X_1TX
Setting 20
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82016G	52.44	74.00	-21.56	46.79	3	Vertical	327	2.12	-	32.82	5.72	32.89
AV	4.82336G	39.26	54.00	-14.74	33.59	3	Vertical	327	2.12	-	32.84	5.72	32.89

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

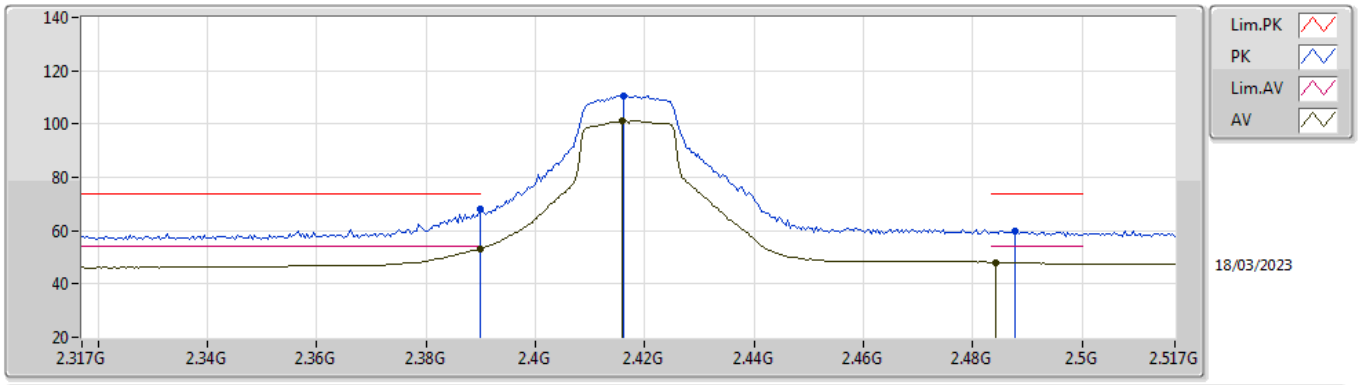


EUT X_1TX
Setting 20
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82096G	49.60	74.00	-24.40	43.94	3	Horizontal	31	3.00	-	32.83	5.72	32.89
AV	4.82608G	36.43	54.00	-17.57	30.72	3	Horizontal	31	3.00	-	32.86	5.73	32.88

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

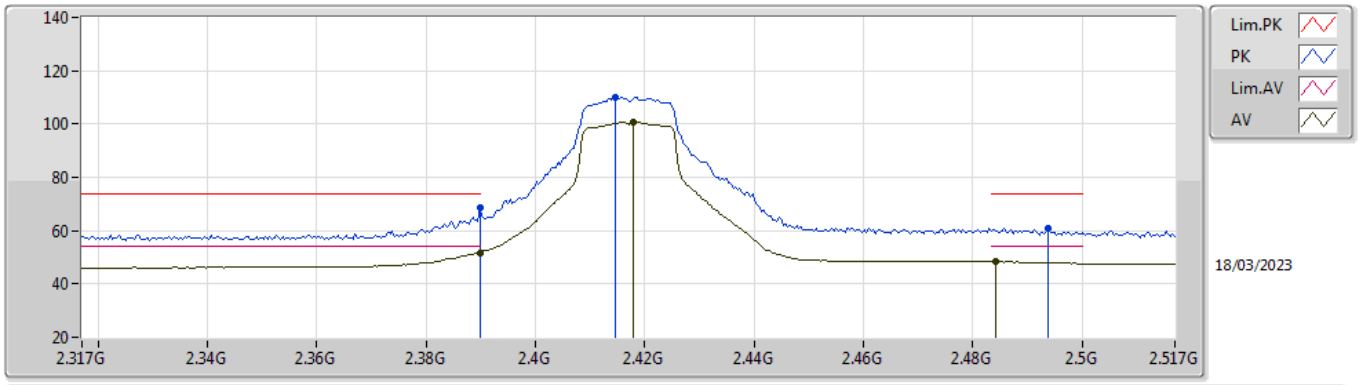


EUT Y_1TX
Setting 22
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	67.96	74.00	-6.04	36.59	3	Vertical	12	1.80	-	27.78	3.59	-
AV	2.3898G	53.13	54.00	-0.87	21.76	3	Vertical	12	1.80	-	27.78	3.59	-
PK	2.4162G	110.73	Inf	-Inf	79.29	3	Vertical	12	1.80	-	27.83	3.61	-
AV	2.4158G	101.42	Inf	-Inf	69.98	3	Vertical	12	1.80	-	27.83	3.61	-
PK	2.4878G	59.80	74.00	-14.20	28.03	3	Vertical	12	1.80	-	28.13	3.64	-
AV	2.4842G	48.12	54.00	-5.88	16.37	3	Vertical	12	1.80	-	28.11	3.64	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

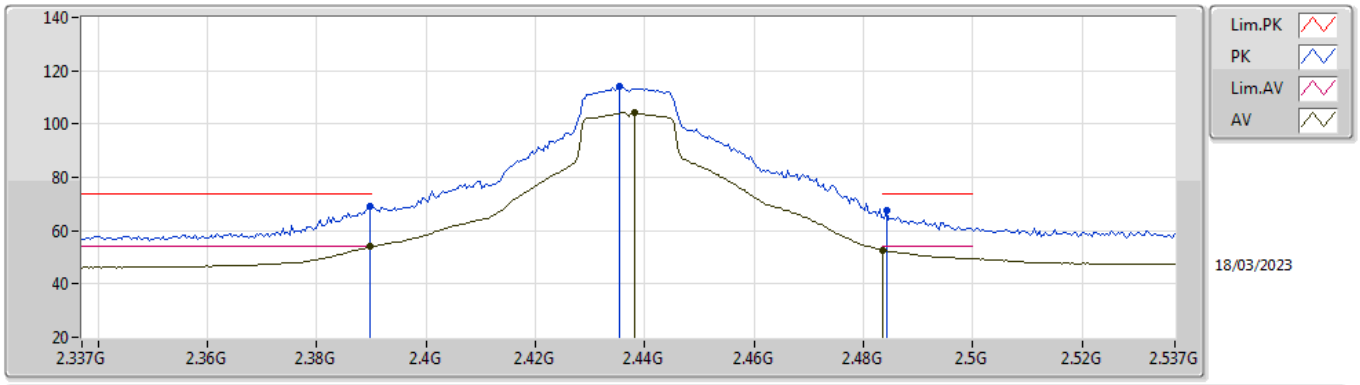


EUT Y_1TX
Setting 22
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	68.37	74.00	-5.63	37.00	3	Horizontal	314	1.22	-	27.78	3.59	-
AV	2.3898G	51.73	54.00	-2.27	20.36	3	Horizontal	314	1.22	-	27.78	3.59	-
PK	2.4146G	109.93	Inf	-Inf	78.49	3	Horizontal	314	1.22	-	27.83	3.61	-
AV	2.4178G	100.87	Inf	-Inf	69.42	3	Horizontal	314	1.22	-	27.84	3.61	-
PK	2.4938G	60.99	74.00	-13.01	29.18	3	Horizontal	314	1.22	-	28.16	3.65	-
AV	2.4842G	48.37	54.00	-5.63	16.62	3	Horizontal	314	1.22	-	28.11	3.64	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

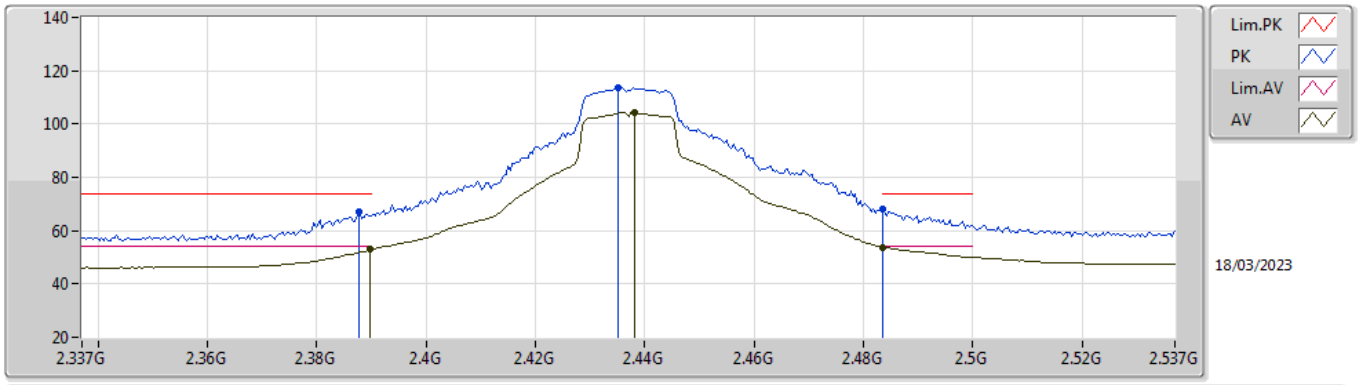


EUT Y_1TX
Setting 25.5
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	69.16	74.00	-4.84	37.79	3	Vertical	0	1.17	-	27.78	3.59	-
AV	2.3898G	53.99	54.00	-0.01	22.62	3	Vertical	0	1.17	-	27.78	3.59	-
PK	2.4354G	113.92	Inf	-Inf	82.43	3	Vertical	0	1.17	-	27.87	3.62	-
AV	2.4382G	104.18	Inf	-Inf	72.68	3	Vertical	0	1.17	-	27.88	3.62	-
PK	2.4842G	67.79	74.00	-6.21	36.04	3	Vertical	0	1.17	-	28.11	3.64	-
AV	2.4835G	52.74	54.00	-1.26	21.00	3	Vertical	0	1.17	-	28.10	3.64	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

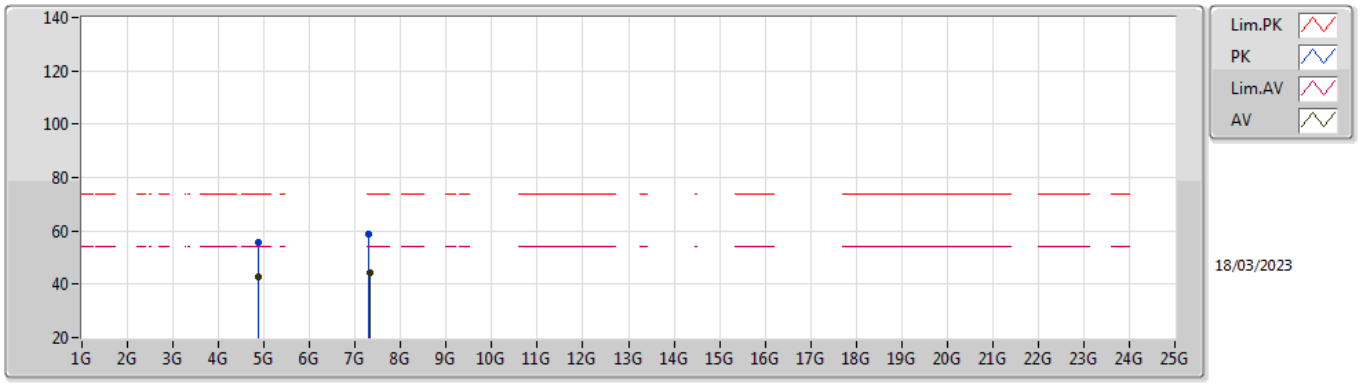


EUT Y_1TX
Setting 25.5
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3878G	67.11	74.00	-6.89	35.74	3	Horizontal	323	1.31	-	27.78	3.59	-
AV	2.3898G	52.87	54.00	-1.13	21.50	3	Horizontal	323	1.31	-	27.78	3.59	-
PK	2.435G	113.58	Inf	-Inf	82.09	3	Horizontal	323	1.31	-	27.87	3.62	-
AV	2.4382G	104.32	Inf	-Inf	72.82	3	Horizontal	323	1.31	-	27.88	3.62	-
PK	2.4835G	68.07	74.00	-5.93	36.33	3	Horizontal	323	1.31	-	28.10	3.64	-
AV	2.4835G	53.73	54.00	-0.27	21.99	3	Horizontal	323	1.31	-	28.10	3.64	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

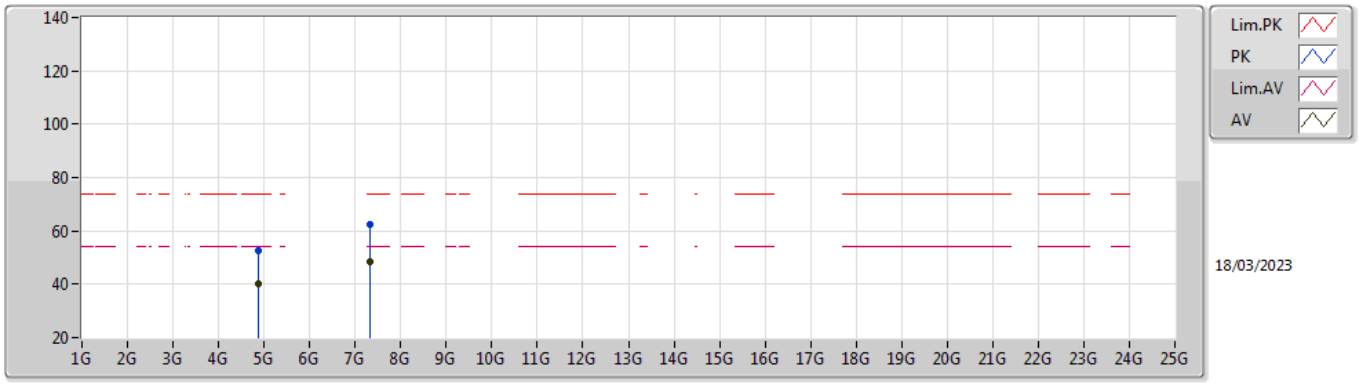


EUT X_1TX
Setting 25.5
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87048G	55.94	74.00	-18.06	50.05	3	Vertical	337	2.20	-	33.00	5.77	32.88
AV	4.87464G	42.95	54.00	-11.05	37.06	3	Vertical	337	2.20	-	33.00	5.77	32.88
PK	7.3078G	58.60	74.00	-15.40	47.03	3	Vertical	320	1.80	-	37.60	7.15	33.18
AV	7.31116G	44.36	54.00	-9.64	32.78	3	Vertical	320	1.80	-	37.60	7.16	33.18

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

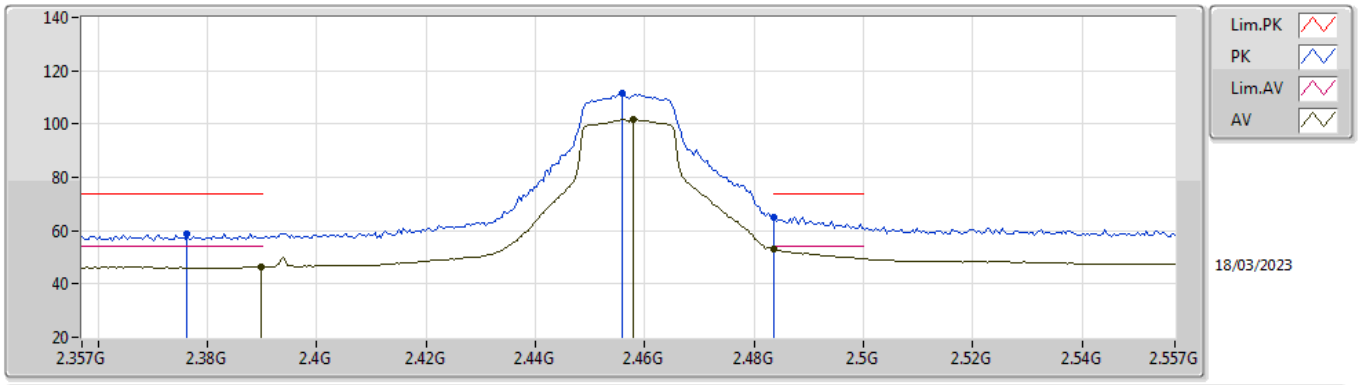


EUT X_1TX
Setting 25.5
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87816G	52.79	74.00	-21.21	46.88	3	Horizontal	32	2.49	-	33.00	5.78	32.87
AV	4.87352G	39.97	54.00	-14.03	34.08	3	Horizontal	32	2.49	-	33.00	5.77	32.88
PK	7.31148G	62.21	74.00	-11.79	50.63	3	Horizontal	52	1.80	-	37.60	7.16	33.18
AV	7.31052G	48.24	54.00	-5.76	36.66	3	Horizontal	52	1.80	-	37.60	7.16	33.18

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

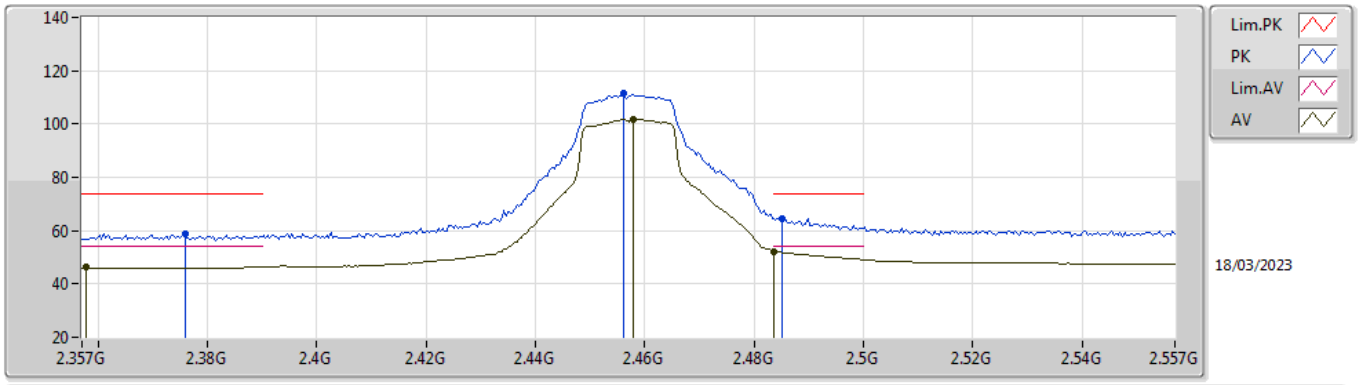


EUT Y_1TX
Setting 20
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3762G	58.69	74.00	-15.31	27.36	3	Vertical	9	1.56	-	27.75	3.58	-
AV	2.3898G	46.44	54.00	-7.56	15.07	3	Vertical	9	1.56	-	27.78	3.59	-
PK	2.4558G	111.61	Inf	-Inf	80.05	3	Vertical	9	1.56	-	27.93	3.63	-
AV	2.4578G	101.87	Inf	-Inf	70.29	3	Vertical	9	1.56	-	27.95	3.63	-
PK	2.4835G	65.01	74.00	-8.99	33.27	3	Vertical	9	1.56	-	28.10	3.64	-
AV	2.4835G	52.89	54.00	-1.11	21.15	3	Vertical	9	1.56	-	28.10	3.64	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

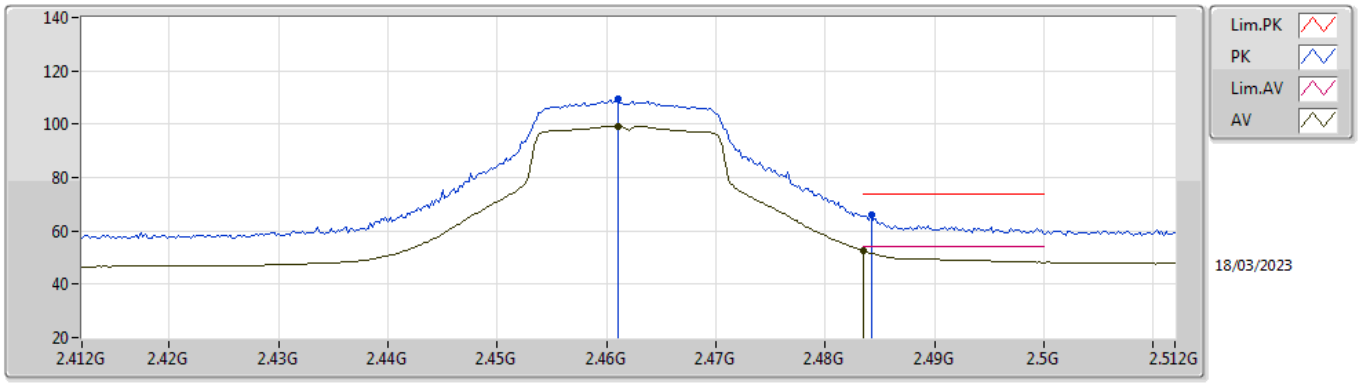


EUT Y_1TX
Setting 20
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3758G	59.02	74.00	-14.98	27.69	3	Horizontal	300	1.87	-	27.75	3.58	-
AV	2.3578G	46.15	54.00	-7.85	14.87	3	Horizontal	300	1.87	-	27.72	3.56	-
PK	2.4562G	111.67	Inf	-Inf	80.10	3	Horizontal	300	1.87	-	27.94	3.63	-
AV	2.4578G	101.92	Inf	-Inf	70.34	3	Horizontal	300	1.87	-	27.95	3.63	-
PK	2.485G	64.61	74.00	-9.39	32.86	3	Horizontal	300	1.87	-	28.11	3.64	-
AV	2.4835G	52.28	54.00	-1.72	20.54	3	Horizontal	300	1.87	-	28.10	3.64	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

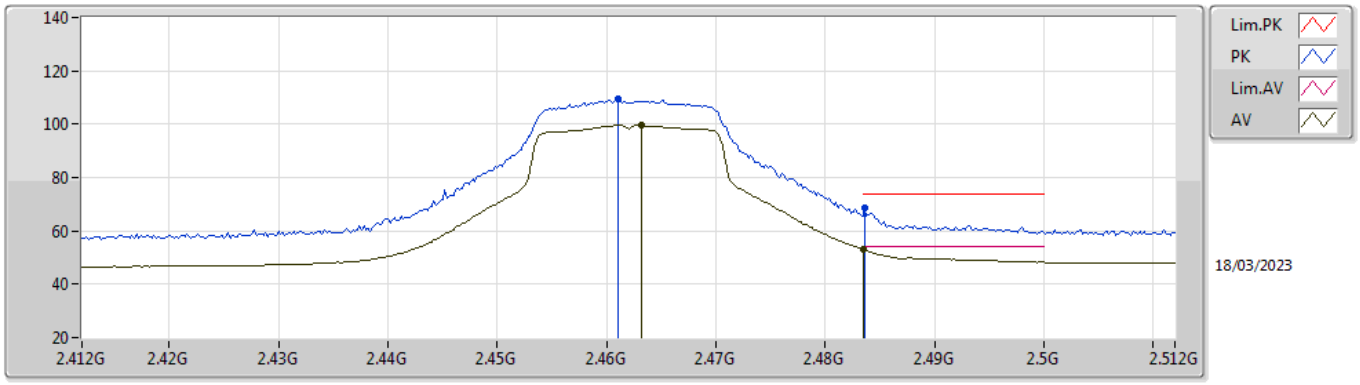


EUT Y_1TX
Setting 17.5
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.461G	109.38	Inf	-Inf	77.78	3	Vertical	5	1.42	-	27.97	3.63	-
AV	2.461G	99.39	Inf	-Inf	67.79	3	Vertical	5	1.42	-	27.97	3.63	-
PK	2.4842G	66.08	74.00	-7.92	34.33	3	Vertical	5	1.42	-	28.11	3.64	-
AV	2.4835G	52.59	54.00	-1.41	20.85	3	Vertical	5	1.42	-	28.10	3.64	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

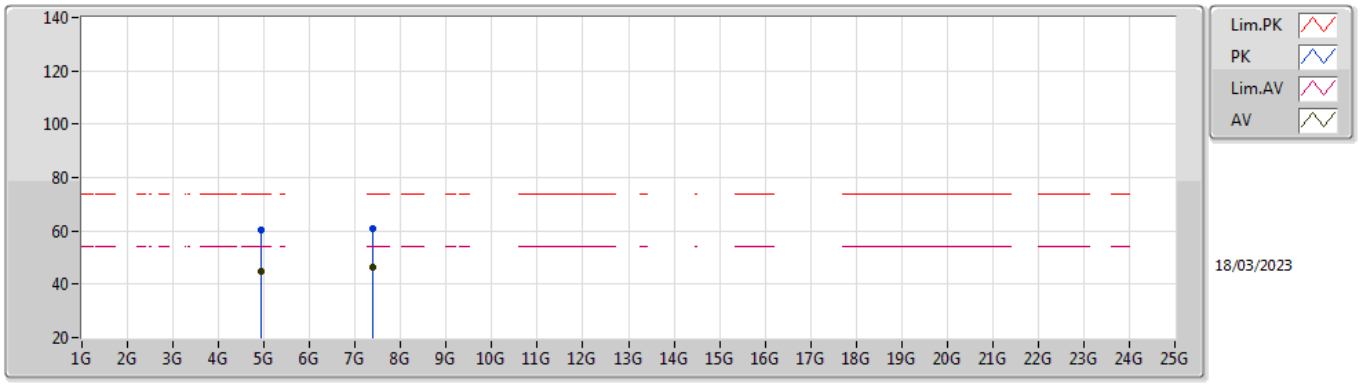


EUT Y_1TX
Setting 17.5
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.461G	109.55	Inf	-Inf	77.95	3	Horizontal	302	2.51	-	27.97	3.63	-
AV	2.4632G	99.71	Inf	-Inf	68.10	3	Horizontal	302	2.51	-	27.98	3.63	-
PK	2.4836G	68.42	74.00	-5.58	36.68	3	Horizontal	302	2.51	-	28.10	3.64	-
AV	2.4835G	52.89	54.00	-1.11	21.15	3	Horizontal	302	2.51	-	28.10	3.64	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

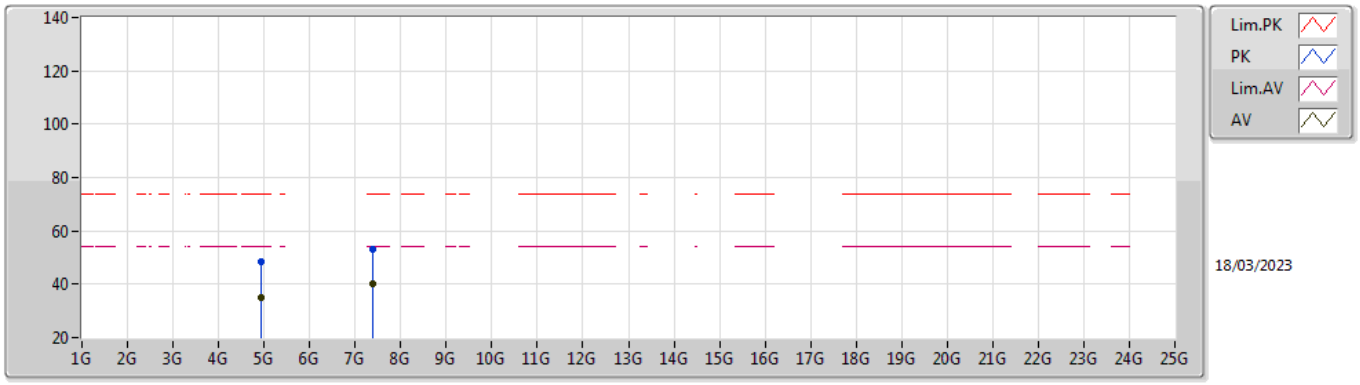


EUT X_1TX
Setting 17.5
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92416G	60.53	74.00	-13.47	54.58	3	Vertical	340	2.66	-	33.00	5.82	32.87
AV	4.92352G	44.92	54.00	-9.08	38.97	3	Vertical	340	2.66	-	33.00	5.82	32.87
PK	7.38264G	60.88	74.00	-13.12	49.38	3	Vertical	348	1.80	-	37.53	7.19	33.22
AV	7.38584G	46.61	54.00	-7.39	35.11	3	Vertical	348	1.80	-	37.53	7.19	33.22

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

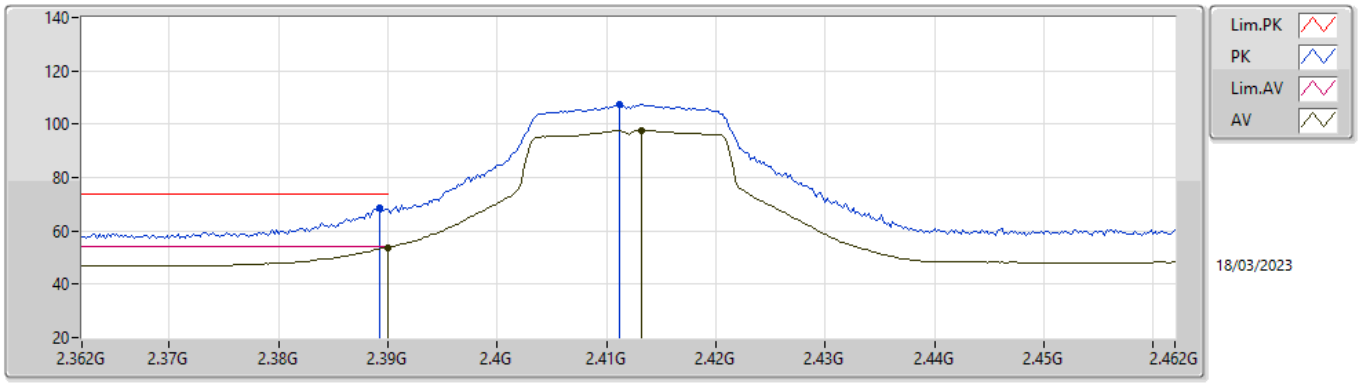


EUT X_1TX
Setting 17.5
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92336G	48.33	74.00	-25.67	42.38	3	Horizontal	35	2.62	-	33.00	5.82	32.87
AV	4.9224G	35.18	54.00	-18.82	29.23	3	Horizontal	35	2.62	-	33.00	5.82	32.87
PK	7.39304G	53.15	74.00	-20.85	41.66	3	Horizontal	49	1.80	-	37.51	7.20	33.22
AV	7.3892G	40.04	54.00	-13.96	28.55	3	Horizontal	49	1.80	-	37.52	7.19	33.22

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2412MHz_TX

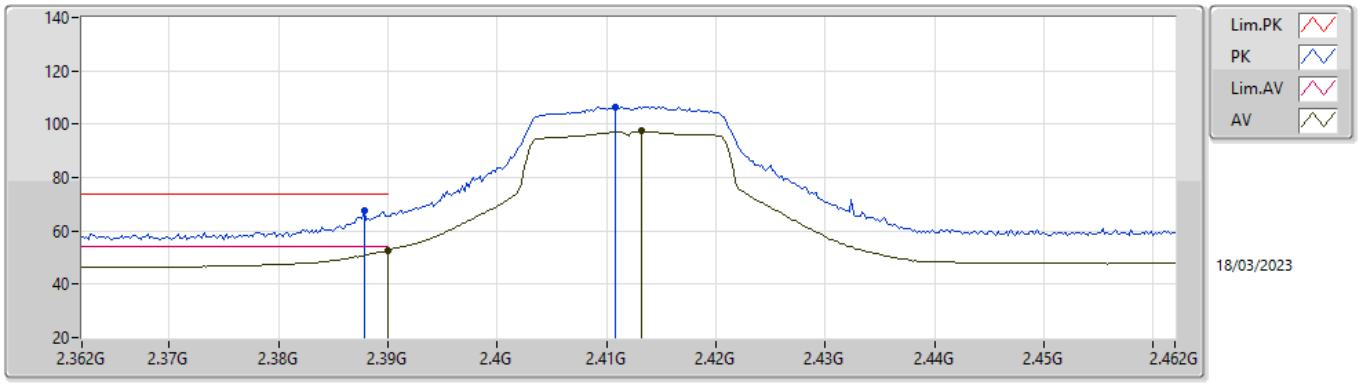


EUT Y_1TX
Setting 19
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3892G	68.82	74.00	-5.18	37.45	3	Vertical	9	1.80	-	27.78	3.59	-
AV	2.39G	53.87	54.00	-0.13	22.50	3	Vertical	9	1.80	-	27.78	3.59	-
PK	2.4112G	107.52	Inf	-Inf	76.09	3	Vertical	9	1.80	-	27.82	3.61	-
AV	2.4132G	97.77	Inf	-Inf	66.33	3	Vertical	9	1.80	-	27.83	3.61	-

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2412MHz_TX

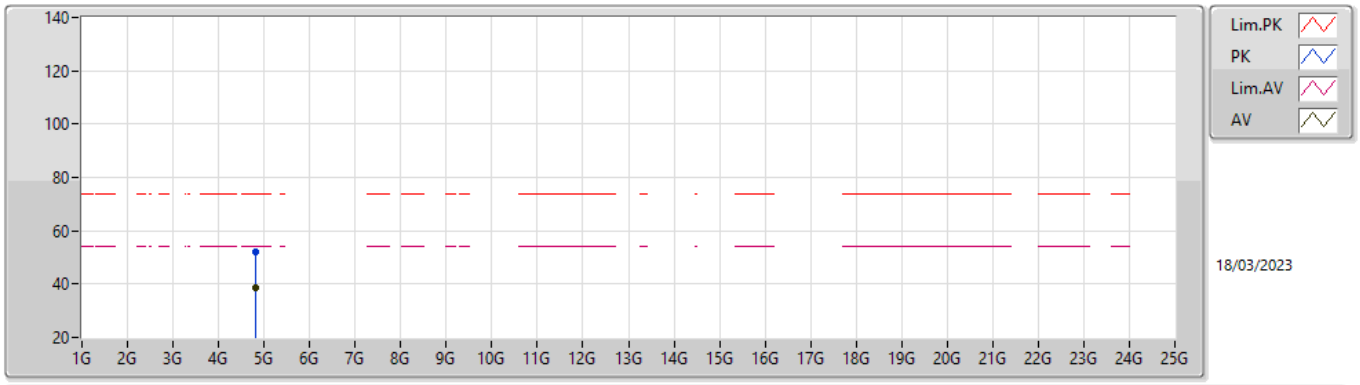


EUT Y_1TX
Setting 19
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3878G	67.57	74.00	-6.43	36.20	3	Horizontal	296	2.13	-	27.78	3.59	-
AV	2.39G	52.73	54.00	-1.27	21.36	3	Horizontal	296	2.13	-	27.78	3.59	-
PK	2.4108G	106.55	Inf	-Inf	75.12	3	Horizontal	296	2.13	-	27.82	3.61	-
AV	2.4132G	97.46	Inf	-Inf	66.02	3	Horizontal	296	2.13	-	27.83	3.61	-

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2412MHz_TX

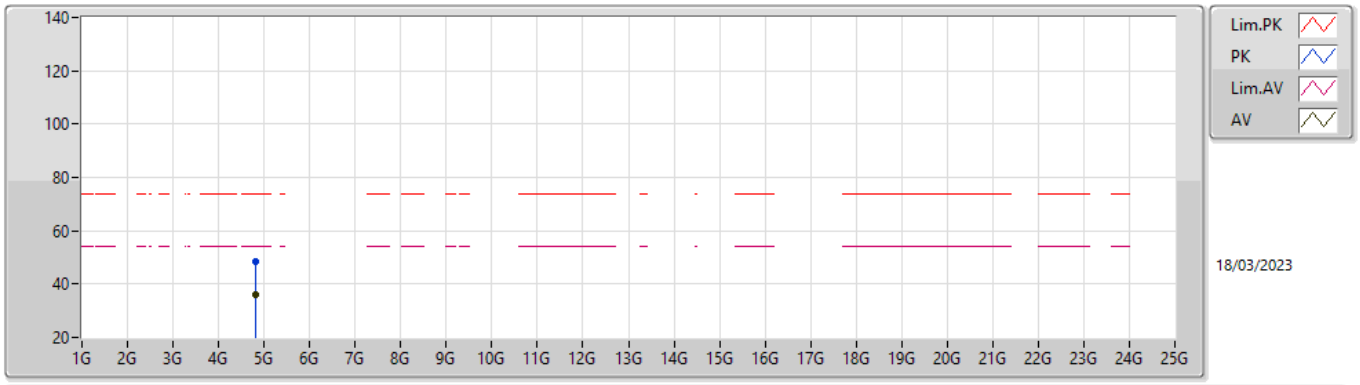


EUT X_1TX
Setting 19
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82412G	51.83	74.00	-22.17	46.16	3	Vertical	325	1.98	-	32.84	5.72	32.89
AV	4.82292G	38.46	54.00	-15.54	32.79	3	Vertical	325	1.98	-	32.84	5.72	32.89

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2412MHz_TX

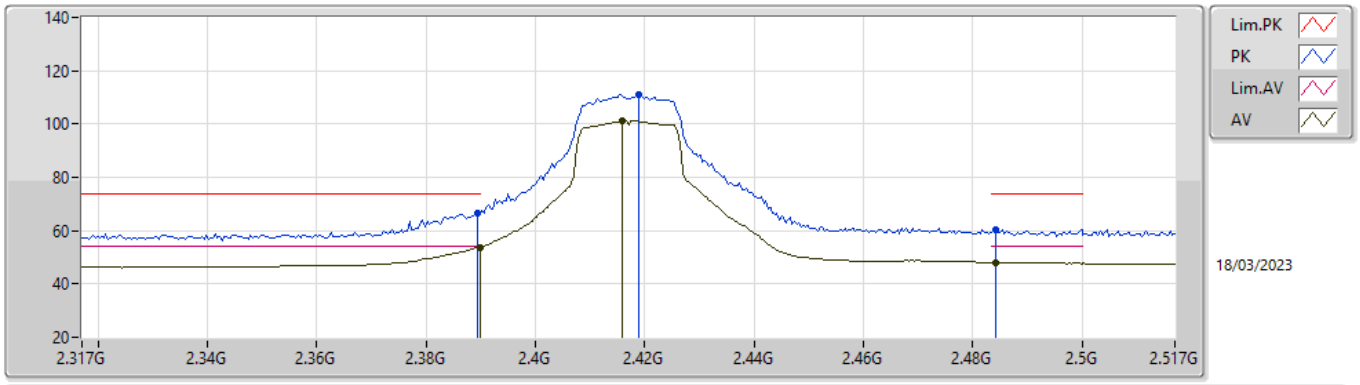


EUT X_1TX
Setting 19
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82208G	48.47	74.00	-25.53	42.81	3	Horizontal	29	3.00	-	32.83	5.72	32.89
AV	4.82352G	35.81	54.00	-18.19	30.14	3	Horizontal	29	3.00	-	32.84	5.72	32.89

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2417MHz_TX

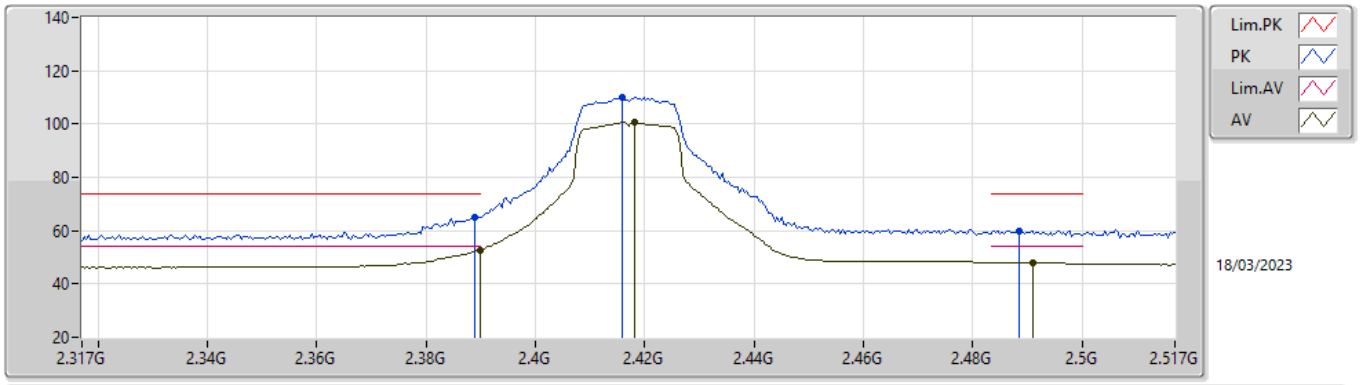


EUT Y_1TX
Setting 22
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	66.31	74.00	-7.69	34.94	3	Vertical	8	1.76	-	27.78	3.59	-
AV	2.3898G	53.75	54.00	-0.25	22.38	3	Vertical	8	1.76	-	27.78	3.59	-
PK	2.419G	110.93	Inf	-Inf	79.48	3	Vertical	8	1.76	-	27.84	3.61	-
AV	2.4158G	101.36	Inf	-Inf	69.92	3	Vertical	8	1.76	-	27.83	3.61	-
PK	2.4842G	60.18	74.00	-13.82	28.43	3	Vertical	8	1.76	-	28.11	3.64	-
AV	2.4842G	48.12	54.00	-5.88	16.37	3	Vertical	8	1.76	-	28.11	3.64	-

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2417MHz_TX

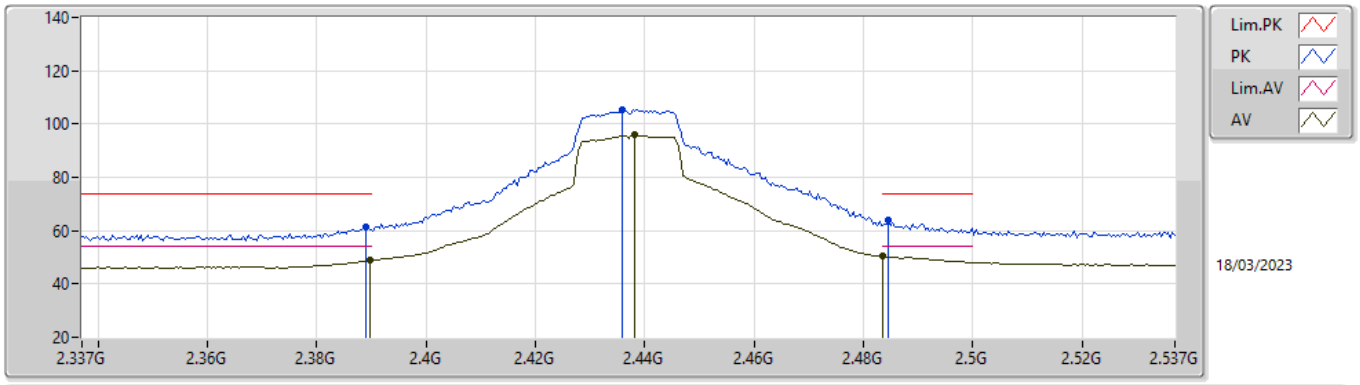


EUT Y_1TX
Setting 22
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.389G	64.87	74.00	-9.13	33.50	3	Horizontal	291	2.11	-	27.78	3.59	-
AV	2.3898G	52.59	54.00	-1.41	21.22	3	Horizontal	291	2.11	-	27.78	3.59	-
PK	2.4158G	110.16	Inf	-Inf	78.72	3	Horizontal	291	2.11	-	27.83	3.61	-
AV	2.4182G	100.57	Inf	-Inf	69.12	3	Horizontal	291	2.11	-	27.84	3.61	-
PK	2.4886G	59.99	74.00	-14.01	28.22	3	Horizontal	291	2.11	-	28.13	3.64	-
AV	2.491G	48.14	54.00	-5.86	16.34	3	Horizontal	291	2.11	-	28.15	3.65	-

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2437MHz_TX

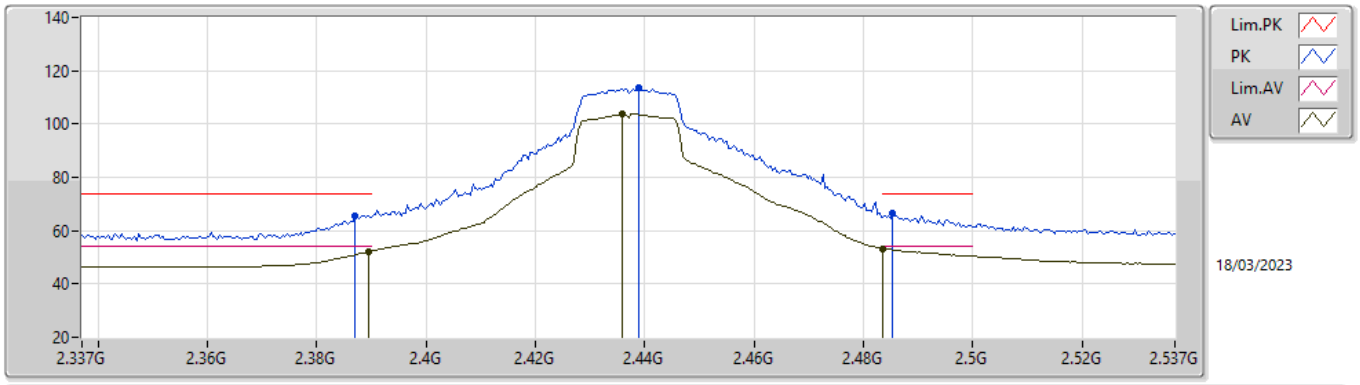


EUT Y_1TX
Setting 25
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.389G	61.62	74.00	-12.38	30.25	3	Vertical	14	1.97	-	27.78	3.59	-
AV	2.3898G	48.86	54.00	-5.14	17.49	3	Vertical	14	1.97	-	27.78	3.59	-
PK	2.4358G	105.53	Inf	-Inf	74.04	3	Vertical	14	1.97	-	27.87	3.62	-
AV	2.4382G	95.82	Inf	-Inf	64.32	3	Vertical	14	1.97	-	27.88	3.62	-
PK	2.4846G	63.73	74.00	-10.27	31.98	3	Vertical	14	1.97	-	28.11	3.64	-
AV	2.4835G	50.34	54.00	-3.66	18.60	3	Vertical	14	1.97	-	28.10	3.64	-

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2437MHz_TX

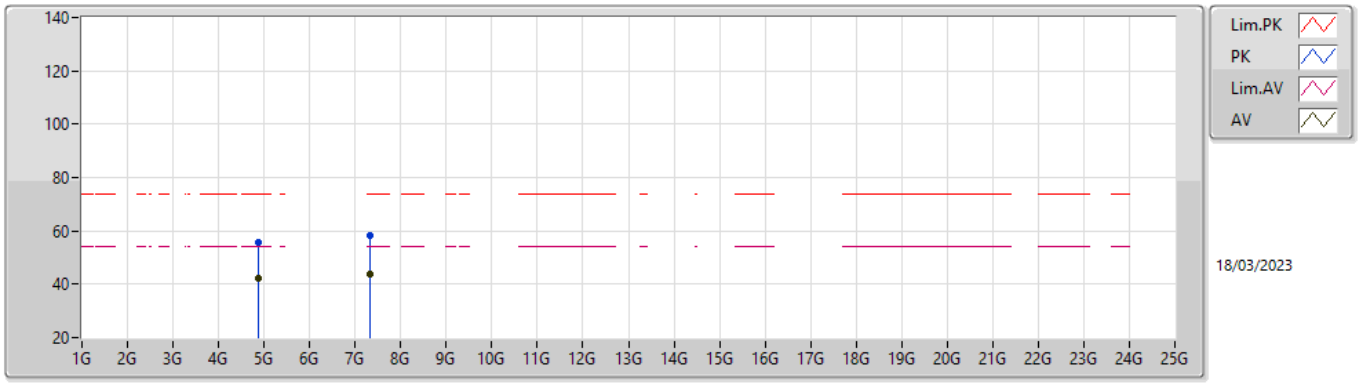


EUT Y_1TX
Setting 25
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.387G	65.64	74.00	-8.36	34.28	3	Horizontal	325	1.09	-	27.77	3.59	-
AV	2.3894G	52.17	54.00	-1.83	20.80	3	Horizontal	325	1.09	-	27.78	3.59	-
PK	2.439G	113.46	Inf	-Inf	81.96	3	Horizontal	325	1.09	-	27.88	3.62	-
AV	2.4358G	103.81	Inf	-Inf	72.32	3	Horizontal	325	1.09	-	27.87	3.62	-
PK	2.4854G	66.45	74.00	-7.55	34.70	3	Horizontal	325	1.09	-	28.11	3.64	-
AV	2.4835G	53.32	54.00	-0.68	21.58	3	Horizontal	325	1.09	-	28.10	3.64	-

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2437MHz_TX

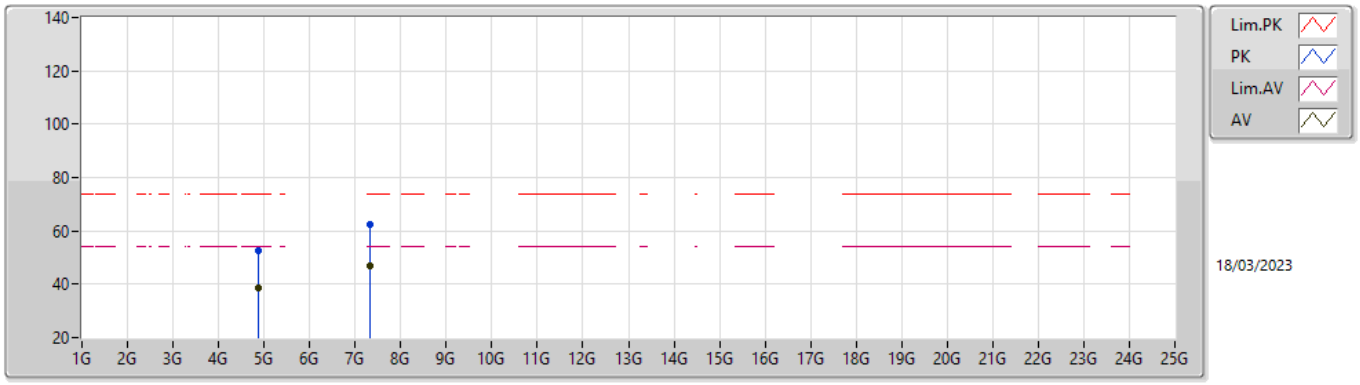


EUT X_1TX
Setting 25
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.871G	55.82	74.00	-18.18	49.93	3	Vertical	332	2.07	-	33.00	5.77	32.88
AV	4.87268G	42.02	54.00	-11.98	36.13	3	Vertical	332	2.07	-	33.00	5.77	32.88
PK	7.31724G	58.27	74.00	-15.73	46.69	3	Vertical	316	1.80	-	37.60	7.16	33.18
AV	7.31448G	43.70	54.00	-10.30	32.12	3	Vertical	316	1.80	-	37.60	7.16	33.18

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2437MHz_TX

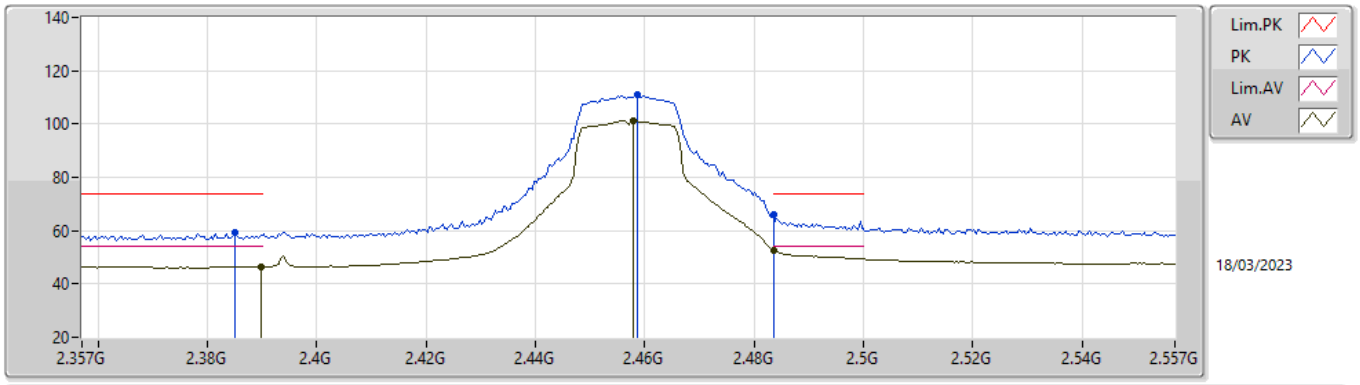


EUT X_1TX
Setting 25
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.874G	52.76	74.00	-21.24	46.87	3	Horizontal	29	2.39	-	33.00	5.77	32.88
AV	4.87508G	38.79	54.00	-15.21	32.88	3	Horizontal	29	2.39	-	33.00	5.78	32.87
PK	7.31496G	62.20	74.00	-11.80	50.62	3	Horizontal	57	1.79	-	37.60	7.16	33.18
AV	7.31376G	47.11	54.00	-6.89	35.53	3	Horizontal	57	1.79	-	37.60	7.16	33.18

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2457MHz_TX

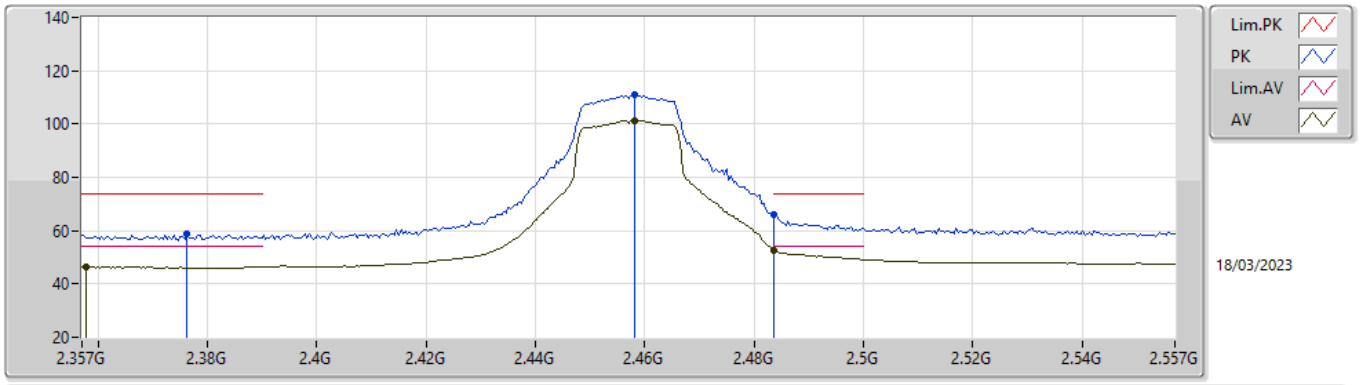


EUT Y_1TX
Setting 20
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.385G	59.08	74.00	-14.92	27.72	3	Vertical	1	1.61	-	27.77	3.59	-
AV	2.3898G	46.44	54.00	-7.56	15.07	3	Vertical	1	1.61	-	27.78	3.59	-
PK	2.4586G	110.92	Inf	-Inf	79.34	3	Vertical	1	1.61	-	27.95	3.63	-
AV	2.4578G	101.29	Inf	-Inf	69.71	3	Vertical	1	1.61	-	27.95	3.63	-
PK	2.4835G	66.16	74.00	-7.84	34.42	3	Vertical	1	1.61	-	28.10	3.64	-
AV	2.4835G	52.74	54.00	-1.26	21.00	3	Vertical	1	1.61	-	28.10	3.64	-

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2457MHz_TX

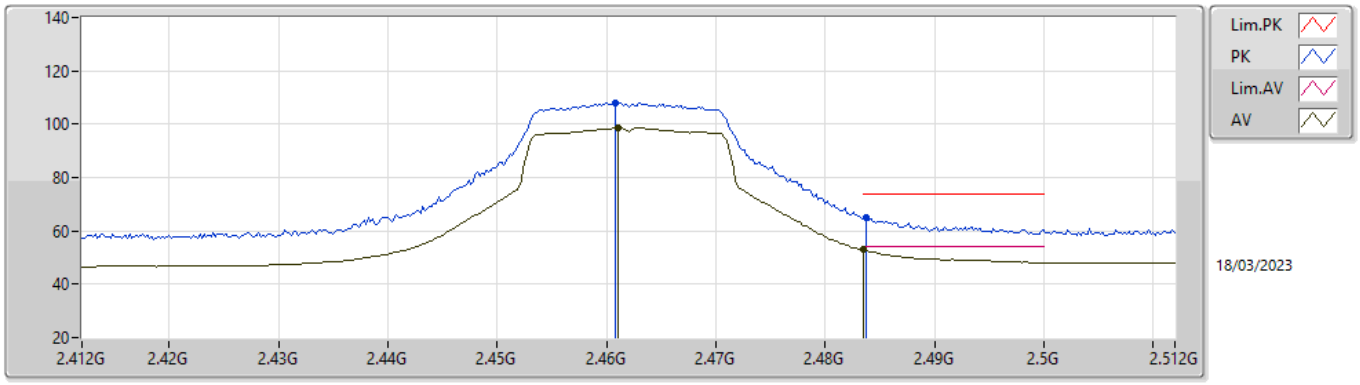


EUT Y_1TX
Setting 20
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3762G	58.82	74.00	-15.18	27.49	3	Horizontal	302	1.87	-	27.75	3.58	-
AV	2.3578G	46.15	54.00	-7.85	14.87	3	Horizontal	302	1.87	-	27.72	3.56	-
PK	2.4582G	110.81	Inf	-Inf	79.23	3	Horizontal	302	1.87	-	27.95	3.63	-
AV	2.4582G	101.46	Inf	-Inf	69.88	3	Horizontal	302	1.87	-	27.95	3.63	-
PK	2.4835G	65.87	74.00	-8.13	34.13	3	Horizontal	302	1.87	-	28.10	3.64	-
AV	2.4835G	52.59	54.00	-1.41	20.85	3	Horizontal	302	1.87	-	28.10	3.64	-

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2462MHz_TX

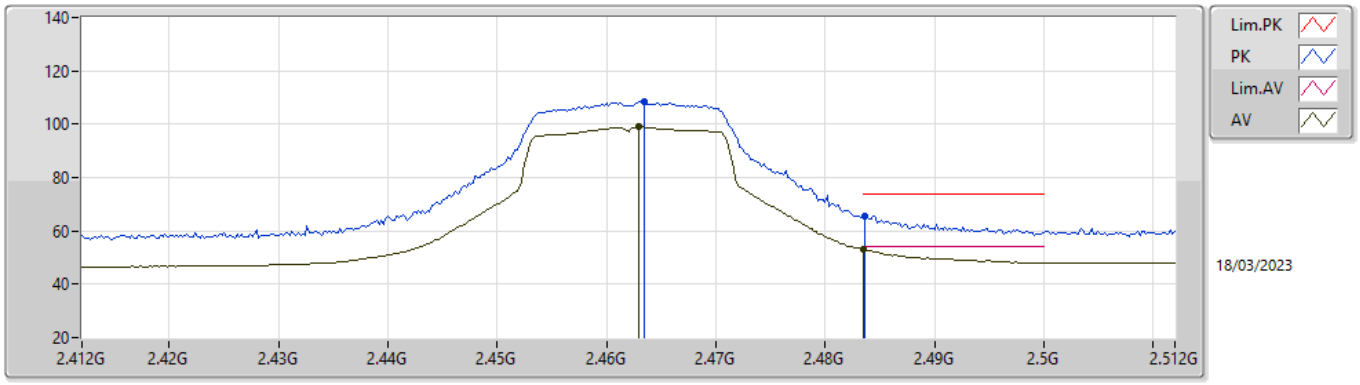


EUT Y_1TX
Setting 17
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4608G	108.03	Inf	-Inf	76.44	3	Vertical	4	1.60	-	27.96	3.63	-
AV	2.461G	98.60	Inf	-Inf	67.00	3	Vertical	4	1.60	-	27.97	3.63	-
PK	2.4838G	64.97	74.00	-9.03	33.23	3	Vertical	4	1.60	-	28.10	3.64	-
AV	2.4835G	53.04	54.00	-0.96	21.30	3	Vertical	4	1.60	-	28.10	3.64	-

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2462MHz_TX

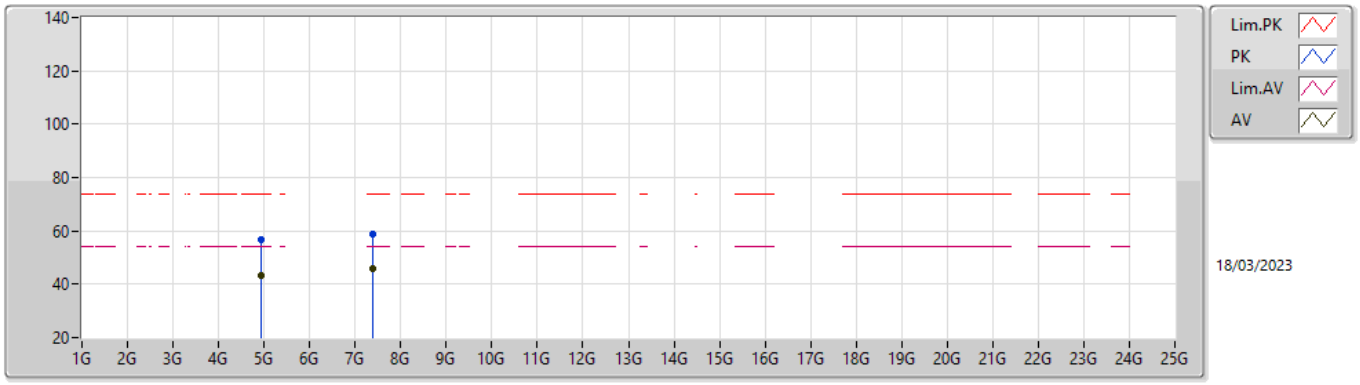


EUT Y_1TX
Setting 17
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4634G	108.50	Inf	-Inf	76.89	3	Horizontal	314	2.53	-	27.98	3.63	-
AV	2.463G	98.91	Inf	-Inf	67.30	3	Horizontal	314	2.53	-	27.98	3.63	-
PK	2.4836G	65.54	74.00	-8.46	33.80	3	Horizontal	314	2.53	-	28.10	3.64	-
AV	2.4835G	53.04	54.00	-0.96	21.30	3	Horizontal	314	2.53	-	28.10	3.64	-

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2462MHz_TX

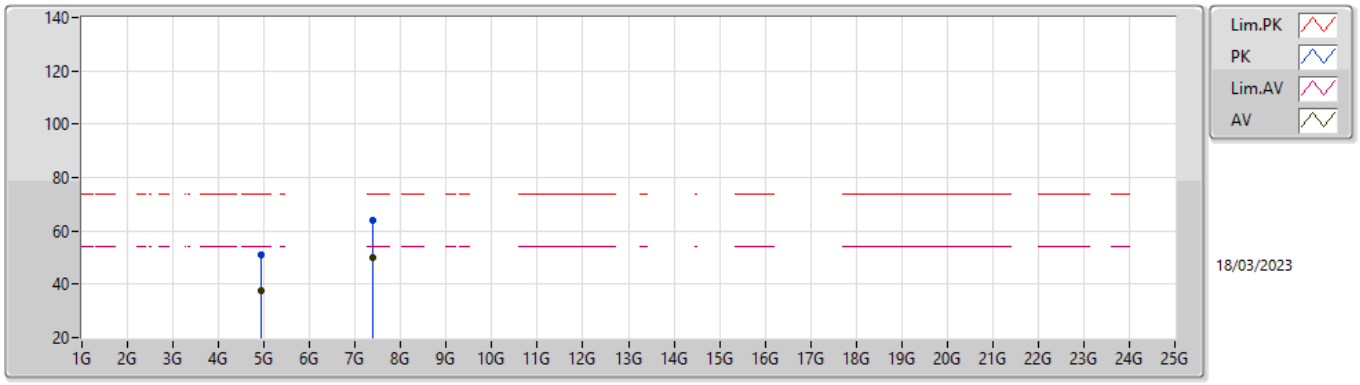


EUT X_1TX
Setting 17
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92796G	56.88	74.00	-17.12	50.91	3	Vertical	340	2.00	-	33.00	5.83	32.86
AV	4.92544G	43.02	54.00	-10.98	37.05	3	Vertical	340	2.00	-	33.00	5.83	32.86
PK	7.39248G	58.70	74.00	-15.30	47.20	3	Vertical	347	1.78	-	37.52	7.20	33.22
AV	7.38528G	45.62	54.00	-8.38	34.12	3	Vertical	347	1.78	-	37.53	7.19	33.22

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2462MHz_TX

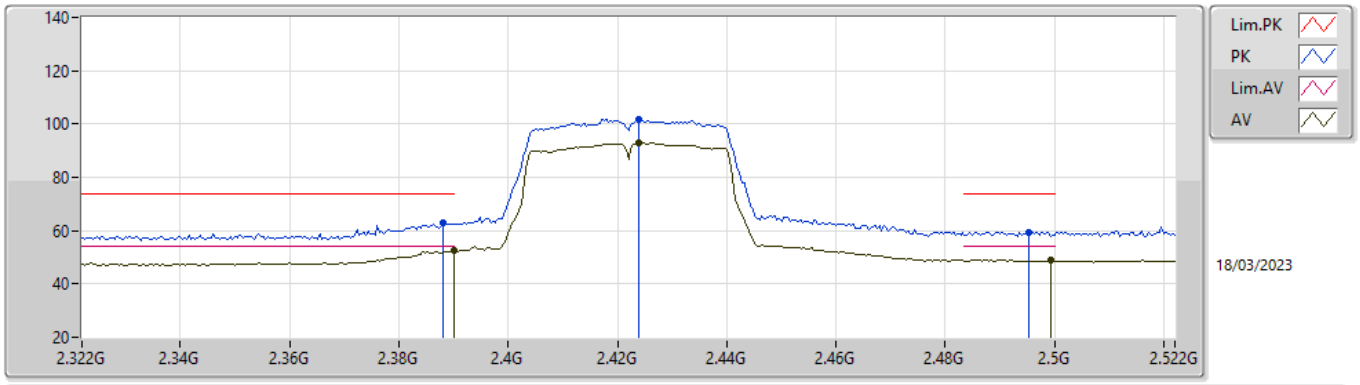


EUT X_1TX
Setting 17
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9222G	50.88	74.00	-23.12	44.93	3	Horizontal	251	1.78	-	33.00	5.82	32.87
AV	4.92316G	37.84	54.00	-16.16	31.89	3	Horizontal	251	1.78	-	33.00	5.82	32.87
PK	7.3782G	63.74	74.00	-10.26	52.23	3	Horizontal	52	1.80	-	37.54	7.19	33.22
AV	7.38612G	49.95	54.00	-4.05	38.45	3	Horizontal	52	1.80	-	37.53	7.19	33.22

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2422MHz_TX

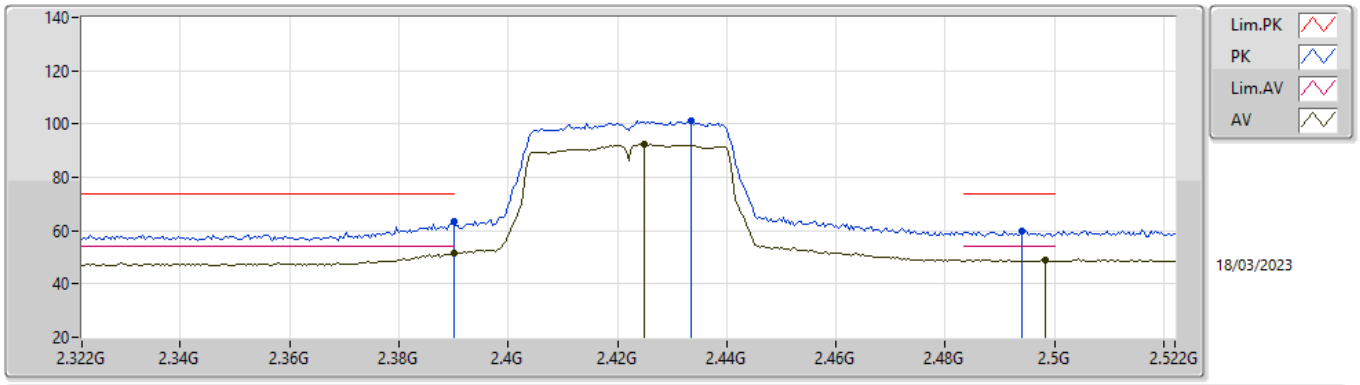


EUT Y_1TX
Setting 15
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.388G	62.71	74.00	-11.29	31.34	3	Vertical	8	1.80	-	27.78	3.59	-
AV	2.39G	52.60	54.00	-1.40	21.23	3	Vertical	8	1.80	-	27.78	3.59	-
PK	2.424G	101.64	Inf	-Inf	70.18	3	Vertical	8	1.80	-	27.85	3.61	-
AV	2.424G	93.11	Inf	-Inf	61.65	3	Vertical	8	1.80	-	27.85	3.61	-
PK	2.4952G	59.55	74.00	-14.45	27.73	3	Vertical	8	1.80	-	28.17	3.65	-
AV	2.4992G	49.11	54.00	-4.89	17.26	3	Vertical	8	1.80	-	28.20	3.65	-

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2422MHz_TX

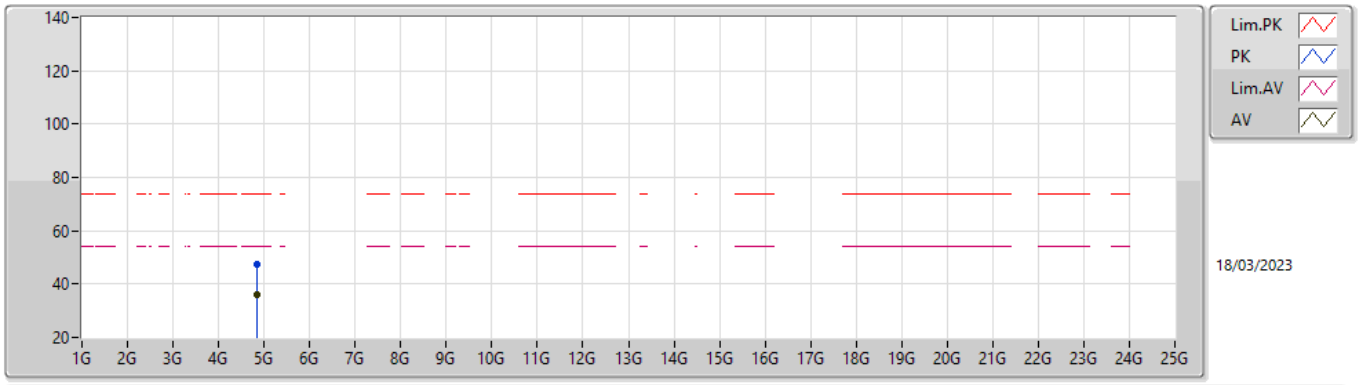


EUT Y_1TX
Setting 15
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	63.22	74.00	-10.78	31.85	3	Horizontal	305	2.21	-	27.78	3.59	-
AV	2.39G	51.42	54.00	-2.58	20.05	3	Horizontal	305	2.21	-	27.78	3.59	-
PK	2.4336G	101.12	Inf	-Inf	69.63	3	Horizontal	305	2.21	-	27.87	3.62	-
AV	2.4248G	92.39	Inf	-Inf	60.93	3	Horizontal	305	2.21	-	27.85	3.61	-
PK	2.494G	60.01	74.00	-13.99	28.20	3	Horizontal	305	2.21	-	28.16	3.65	-
AV	2.4984G	49.11	54.00	-4.89	17.27	3	Horizontal	305	2.21	-	28.19	3.65	-

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2422MHz_TX

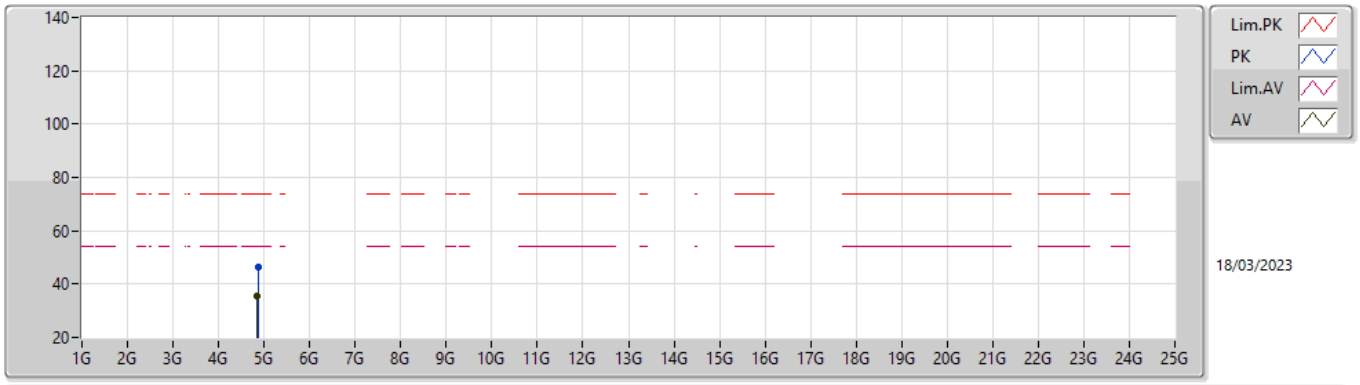


EUT X_1TX
Setting 15
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8376G	47.55	74.00	-26.45	41.76	3	Vertical	322	1.88	-	32.93	5.74	32.88
AV	4.84048G	36.27	54.00	-17.73	30.47	3	Vertical	322	1.88	-	32.94	5.74	32.88

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2422MHz_TX

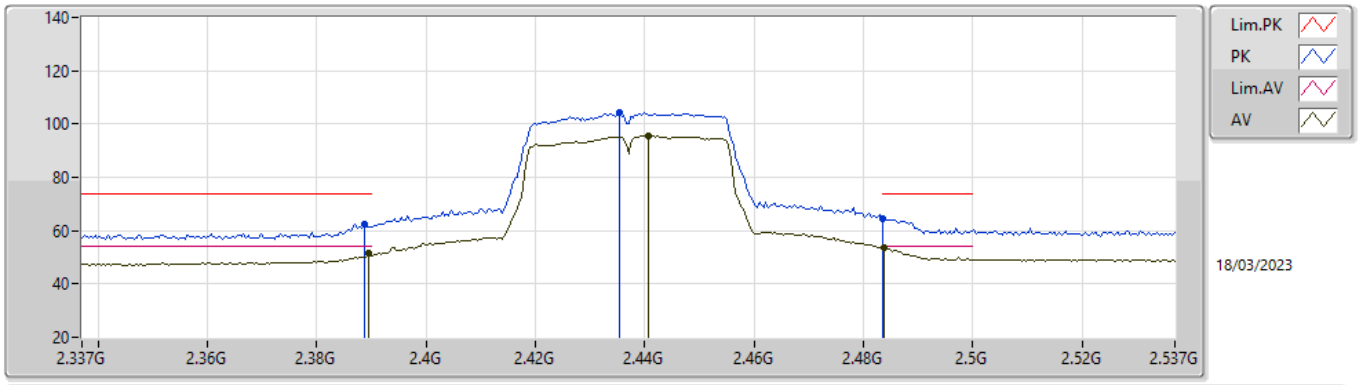


EUT X_1TX
Setting 15
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.86224G	46.36	74.00	-27.64	40.48	3	Horizontal	259	1.16	-	33.00	5.76	32.88
AV	4.8528G	35.60	54.00	-18.40	29.73	3	Horizontal	259	1.16	-	33.00	5.75	32.88

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2437MHz_TX

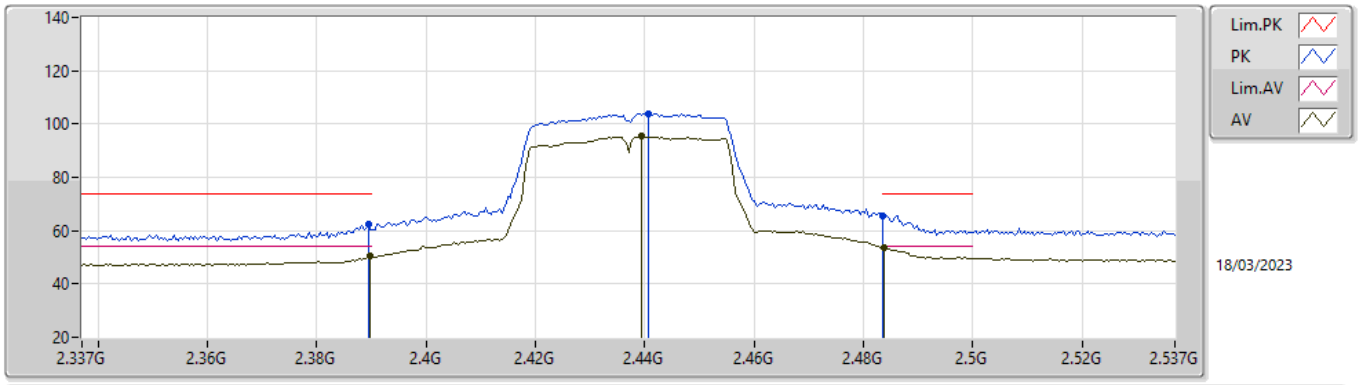


EUT Y_1TX
Setting 16.5
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3886G	62.41	74.00	-11.59	31.04	3	Vertical	9	1.96	-	27.78	3.59	-
AV	2.3894G	51.41	54.00	-2.59	20.04	3	Vertical	9	1.96	-	27.78	3.59	-
PK	2.4354G	104.38	Inf	-Inf	72.89	3	Vertical	9	1.96	-	27.87	3.62	-
AV	2.4406G	95.45	Inf	-Inf	63.95	3	Vertical	9	1.96	-	27.88	3.62	-
PK	2.4835G	64.67	74.00	-9.33	32.93	3	Vertical	9	1.96	-	28.10	3.64	-
AV	2.4838G	53.87	54.00	-0.13	22.13	3	Vertical	9	1.96	-	28.10	3.64	-

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2437MHz_TX

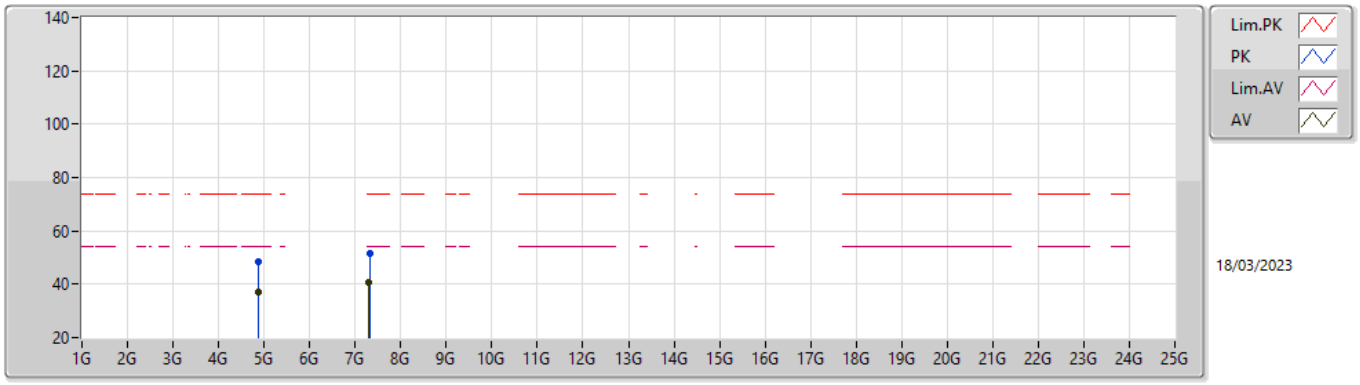


EUT Y_1TX
Setting 16.5
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	62.28	74.00	-11.72	30.91	3	Horizontal	324	1.30	-	27.78	3.59	-
AV	2.3898G	50.41	54.00	-3.59	19.04	3	Horizontal	324	1.30	-	27.78	3.59	-
PK	2.4406G	103.99	Inf	-Inf	72.49	3	Horizontal	324	1.30	-	27.88	3.62	-
AV	2.4394G	95.38	Inf	-Inf	63.88	3	Horizontal	324	1.30	-	27.88	3.62	-
PK	2.4835G	65.67	74.00	-8.33	33.93	3	Horizontal	324	1.30	-	28.10	3.64	-
AV	2.4838G	53.73	54.00	-0.27	21.99	3	Horizontal	324	1.30	-	28.10	3.64	-

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2437MHz_TX

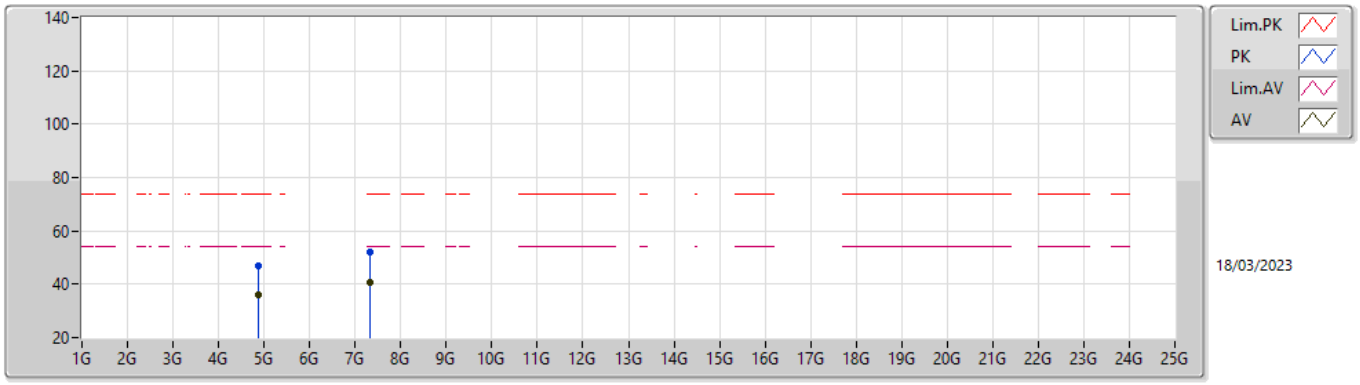


EUT X_1TX
Setting 16.5
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87704G	48.25	74.00	-25.75	42.34	3	Vertical	337	3.00	-	33.00	5.78	32.87
AV	4.87288G	37.04	54.00	-16.96	31.15	3	Vertical	337	3.00	-	33.00	5.77	32.88
PK	7.32956G	51.61	74.00	-22.39	40.04	3	Vertical	360	1.00	-	37.60	7.16	33.19
AV	7.30956G	40.88	54.00	-13.12	29.31	3	Vertical	360	1.00	-	37.60	7.15	33.18

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2437MHz_TX

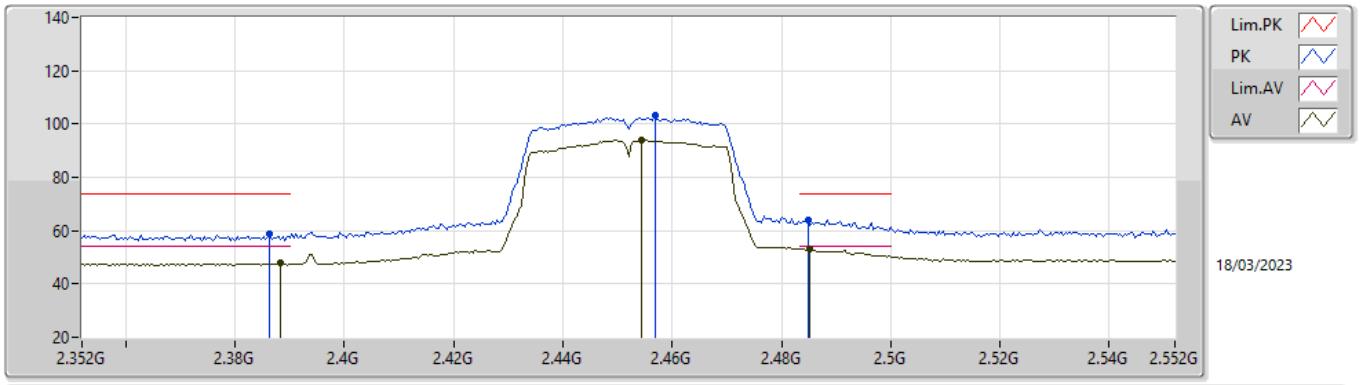


EUT X_1TX
Setting 16.5
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.86984G	46.91	74.00	-27.09	41.02	3	Horizontal	30	2.24	-	33.00	5.77	32.88
AV	4.87096G	36.20	54.00	-17.80	30.31	3	Horizontal	30	2.24	-	33.00	5.77	32.88
PK	7.3358G	52.10	74.00	-21.90	40.52	3	Horizontal	37	1.52	-	37.60	7.17	33.19
AV	7.3182G	40.80	54.00	-13.20	29.23	3	Horizontal	37	1.52	-	37.60	7.16	33.19

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2452MHz_TX

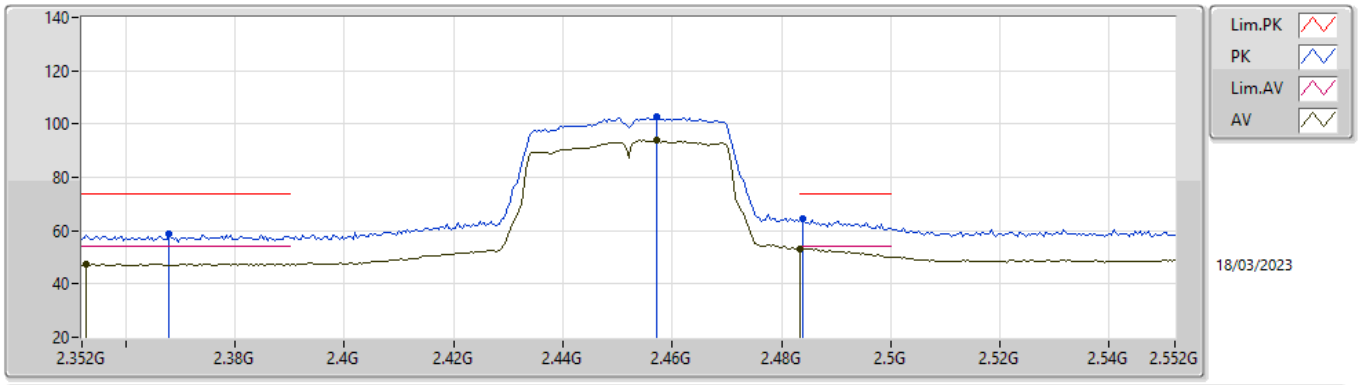


EUT Y_1TX
Setting 14
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3864G	58.96	74.00	-15.04	27.60	3	Vertical	10	1.41	-	27.77	3.59	-
AV	2.3884G	47.73	54.00	-6.27	16.36	3	Vertical	10	1.41	-	27.78	3.59	-
PK	2.4568G	103.17	Inf	-Inf	71.60	3	Vertical	10	1.41	-	27.94	3.63	-
AV	2.4544G	93.99	Inf	-Inf	62.43	3	Vertical	10	1.41	-	27.93	3.63	-
PK	2.4848G	64.14	74.00	-9.86	32.39	3	Vertical	10	1.41	-	28.11	3.64	-
AV	2.4852G	53.05	54.00	-0.95	21.30	3	Vertical	10	1.41	-	28.11	3.64	-

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2452MHz_TX

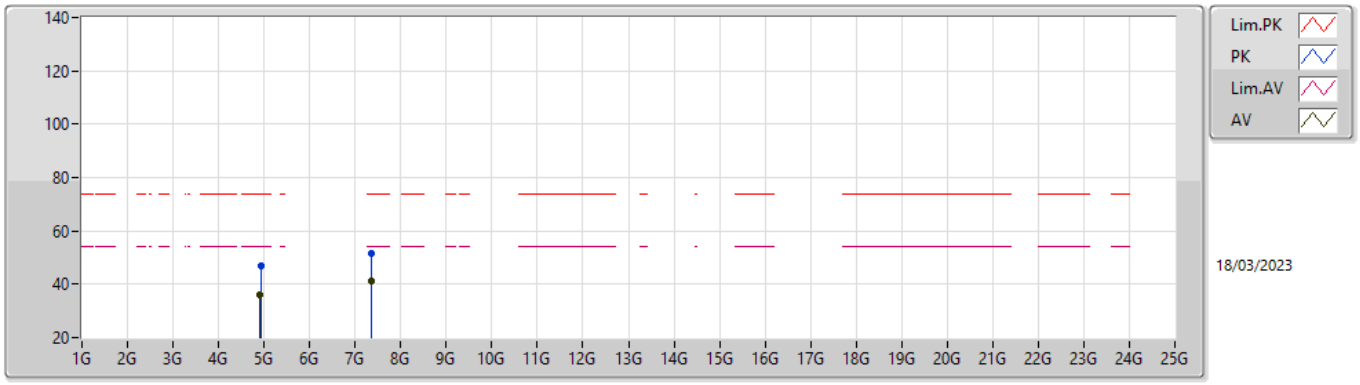


EUT Y_1TX
Setting 14
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.368G	58.90	74.00	-15.10	27.59	3	Horizontal	298	1.87	-	27.74	3.57	-
AV	2.3528G	47.50	54.00	-6.50	16.24	3	Horizontal	298	1.87	-	27.71	3.55	-
PK	2.4572G	102.69	Inf	-Inf	71.12	3	Horizontal	298	1.87	-	27.94	3.63	-
AV	2.4572G	93.74	Inf	-Inf	62.17	3	Horizontal	298	1.87	-	27.94	3.63	-
PK	2.484G	64.29	74.00	-9.71	32.55	3	Horizontal	298	1.87	-	28.10	3.64	-
AV	2.4835G	53.32	54.00	-0.68	21.58	3	Horizontal	298	1.87	-	28.10	3.64	-

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2452MHz_TX

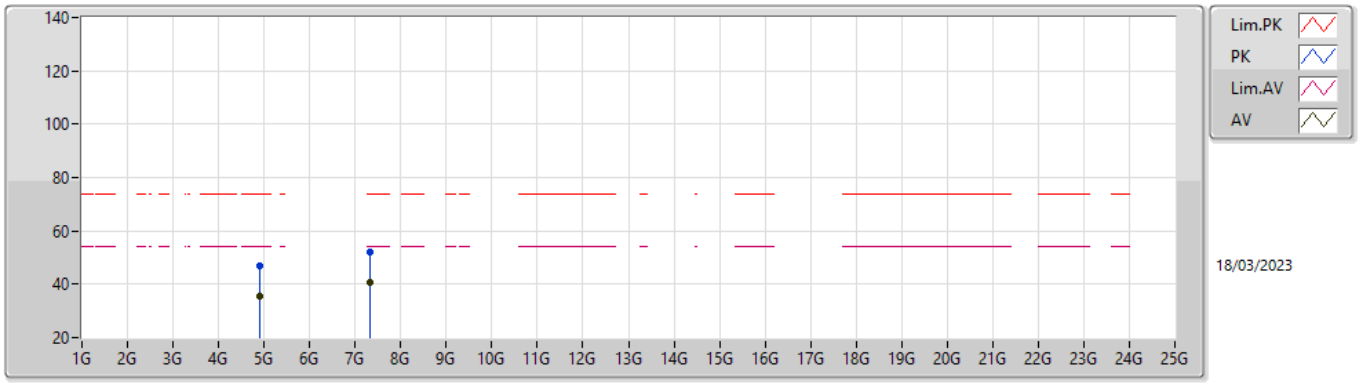


EUT X_1TX
Setting 14
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92352G	46.83	74.00	-27.17	40.88	3	Vertical	360	1.80	-	33.00	5.82	32.87
AV	4.91408G	35.82	54.00	-18.18	29.88	3	Vertical	360	1.80	-	33.00	5.81	32.87
PK	7.3512G	51.62	74.00	-22.38	40.04	3	Vertical	108	1.00	-	37.60	7.18	33.20
AV	7.34208G	41.10	54.00	-12.90	29.53	3	Vertical	108	1.00	-	37.60	7.17	33.20

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2452MHz_TX



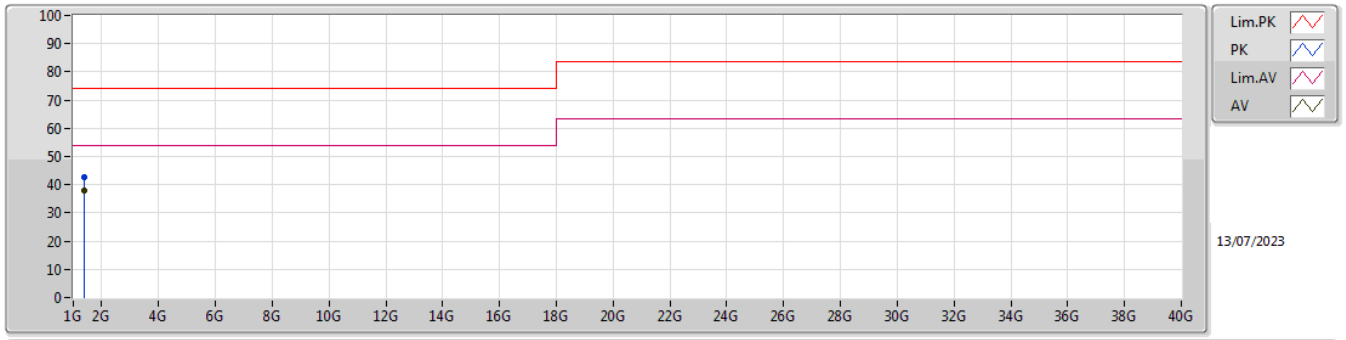
EUT X_1TX
Setting 14
01-I-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.91696G	46.64	74.00	-27.36	40.69	3	Horizontal	32	2.42	-	33.00	5.82	32.87
AV	4.90912G	35.69	54.00	-18.31	29.75	3	Horizontal	32	2.42	-	33.00	5.81	32.87
PK	7.32176G	52.24	74.00	-21.76	40.67	3	Horizontal	69	1.00	-	37.60	7.16	33.19
AV	7.31696G	40.86	54.00	-13.14	29.28	3	Horizontal	69	1.00	-	37.60	7.16	33.18

Summary

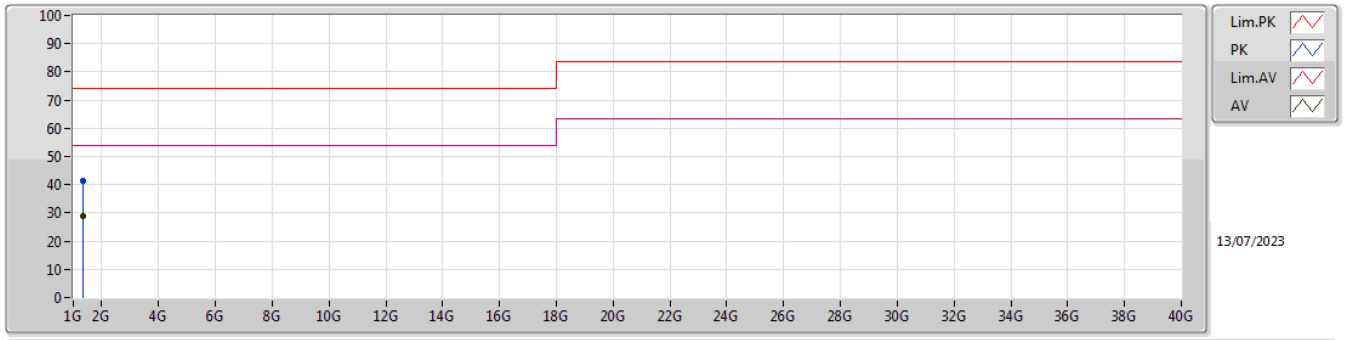
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.36803G	37.81	54.00	-16.19	Vertical

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	1.36803G	42.67	74.00	-31.33	-7.81	3	Vertical	230	1.27	-	50.48	25.34	3.27	36.42
AV	1.36803G	37.81	54.00	-16.19	-7.81	3	Vertical	230	1.27	-	45.62	25.34	3.27	36.42

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.36208G	41.18	74.00	-32.82	-7.70	3	Horizontal	83	1.17	-	48.88	25.46	3.26	36.42
AV	1.36208G	28.69	54.00	-25.31	-7.70	3	Horizontal	83	1.17	-	36.39	25.46	3.26	36.42