Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	UDX-600130010
Equipment	:	SMART Camera
Brand Name	:	CISCO
Model Name	:	MV13-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. 15, 2023, and testing was started from Mar. 16, 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.)

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR291332-02AA	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: Sophia Shiung

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 2.4GHz	WLAN 5GHz	Bluetooth					
1	1	1	1	SERCOMM	Ant1	PIFA Antenna	I-PEX	Note 1
2	2	2	2	SERCOMM	Ant2	PIFA Antenna	I-PEX	

Note 1:

Ant.	Antenna Gain (dBi)			
	2.4GHz	5GHz UNII 1~2A	5GHz UNII 2C	5GHz UNII 3
1	3.82	4.21	4.51	3.94
2	1.98	2.62	2.11	2.32

Note 2: The above information was declared by manufacturer.

Note 3: The EUT support TX/RX diversity function.
The Port 1 generated the worst case. Thus it was selected to test and record in the report.

Note 4: **For 2.4GHz function**
For IEEE 802.11 b/g/n/VHT (1TX/1RX):
Both Port 1 and Port 2 can be used as transmitting/receiving antenna.
But only one of them can transmit and receive signal at the same time.
For 5GHz function
For IEEE 802.11a/n/ac (1TX/1RX):
Both Port 1 and Port 2 can be used as transmitting/receiving antenna.
But only one of them can transmit and receive signal at the same time.
For bluetooth function
For bluetooth (1TX/1RX):
Both Port 1 and Port 2 can be used as transmitting/receiving antenna.
But only one of them can transmit and receive signal at the same time.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.993	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.982	0.08	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	0.95	0.22	937.5u	3k

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

1.1.4 EUT Operational Condition

EUT Power Type	From PoE			
Function	☒	Point-to-multipoint	☐	Point-to-point
Beamforming Function	☐	With beamforming	☒	Without beamforming
Test Software Version	QRCT V4.0.00201.0			

Note: The above information was declared by manufacturer.

1.1.5 Multiple Sources of Component Information

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
9	Mic Board Cable	Main Source	Second Source

Note 1: After evaluating, the EUT 1 was selected to test all the test items and recorded in the report; the EUT 2 was selected to test AC power-line conducted emissions and Emissions in Restricted Frequency Bands below 1GHz.

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Brian Sun	23.5~24.2 / 62~69	Mar. 21, 2023~ May 05, 2023
Radiated < 1GHz	03CH05-CB	Black Lu	21.2-22.3 / 56-59	Jun. 23, 2023~ Jul. 10, 2023
Radiated > 1GHz	03CH02-CB	Roy Mai	20~21 / 55~58	Mar. 16, 2023~ May 10, 2023
Radiated (For Co-location)	03CH05-CB	Roy Mai	21.2~22.3 / 56~59	Mar. 16, 2023~ May 10, 2023
AC Conduction	CO01-CB	Gray Lee	21~22 / 54~55	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 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)	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%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	21
2437MHz	18.5
2462MHz	18.5
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	18.5
2437MHz	21
2462MHz	18
VHT20_Nss1,(MCS0)_1TX	-
2412MHz	20
2417MHz	22
2437MHz	24.5
2457MHz	19.5
2462MHz	17.5
VHT40_Nss1,(MCS0)_1TX	-
2422MHz	16
2437MHz	17
2452MHz	14.5

Note:
- VHT20 / VHT40 covers HT20 / HT40 due to similar modulation. The power setting of HT20 / HT40 modes 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 connected via Ethernet - Day mode + PoE 1
2	EUT 1 connected via Ethernet - Night mode + 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 connected via WLAN 2.4GHz - Night mode + PoE 1
4	EUT 1 connected via WLAN 2.4GHz - Night mode + PoE 2
5	EUT 1 connected via WLAN 5GHz - Night mode + PoE 1
6	EUT 1 connected via WLAN 5GHz - Night mode + 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 connected via Ethernet - Night mode + PoE 1
For operating, Mode 2 is the worst case and it was recorded in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	EUT 1 in Z axis connected via Ethernet - Day mode + PoE 1
2	EUT 1 in Y axis connected via Ethernet - Day mode + PoE 1
3	EUT 1 in X axis connected via Ethernet - Day mode + 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 in Z axis connected via Ethernet - Night mode + PoE 1
Mode 4 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 in Z axis connected via WLAN 2.4GHz - Night mode + PoE 1
6	EUT 1 in Z axis connected via WLAN 2.4GHz - Night mode + PoE 2
7	EUT 1 in Z axis connected via WLAN 5GHz - Night mode + PoE 1
8	EUT 1 in Z axis connected via WLAN 5GHz - Night mode + PoE 2
Mode 7 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 in Z axis connected via WLAN 5GHz - Night mode + PoE 1
For operating, mode 9 is the worst case and it was recorded in this test report.	
Operating Mode > 1GHz	CTX
	The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at X axis (Bandedge) and Y axis (Harmonic). Thus, the measurement will follow these same test configurations.
1	EUT 1 in X axis (Bandedge) EUT 1 in Y 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
	EUT in Y axis generated the worst case at Radiated measurement above 1GHz (CTX – Harmonic) for WLAN 2.4GHz and 5GHz. Consequently, the measurement will follow this same test mode.
1	EUT 1 in Y axis + Bluetooth + WLAN 2.4GHz
2	EUT 1 in Y axis + Bluetooth + WLAN 5GHz
For operating, mode 2 is the worst case and it was recorded in this test 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.: FA291332-02 for Co-location RF Exposure Evaluation.	

Note: The PoEs were for measurement only and would not be marketed.
Their information is shown as below:

Support Unit	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 Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories
Wall-mounted rack 1*1
Wall-mounted rack 2*1
Wall-mounted rack 3*1

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PoE 1	PHIHONG	POEA30U-1AT-1	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	Notebook	Lenovo	L440	N/A
B	PoE 1	PHIHONG	POEA33U-1ATE	N/A
C	WLAN AP	ASUS	RT-AX88U	N/A
D	Smart phone	Samsung	Galaxy J2	N/A

For Radiated (above 1GHz):

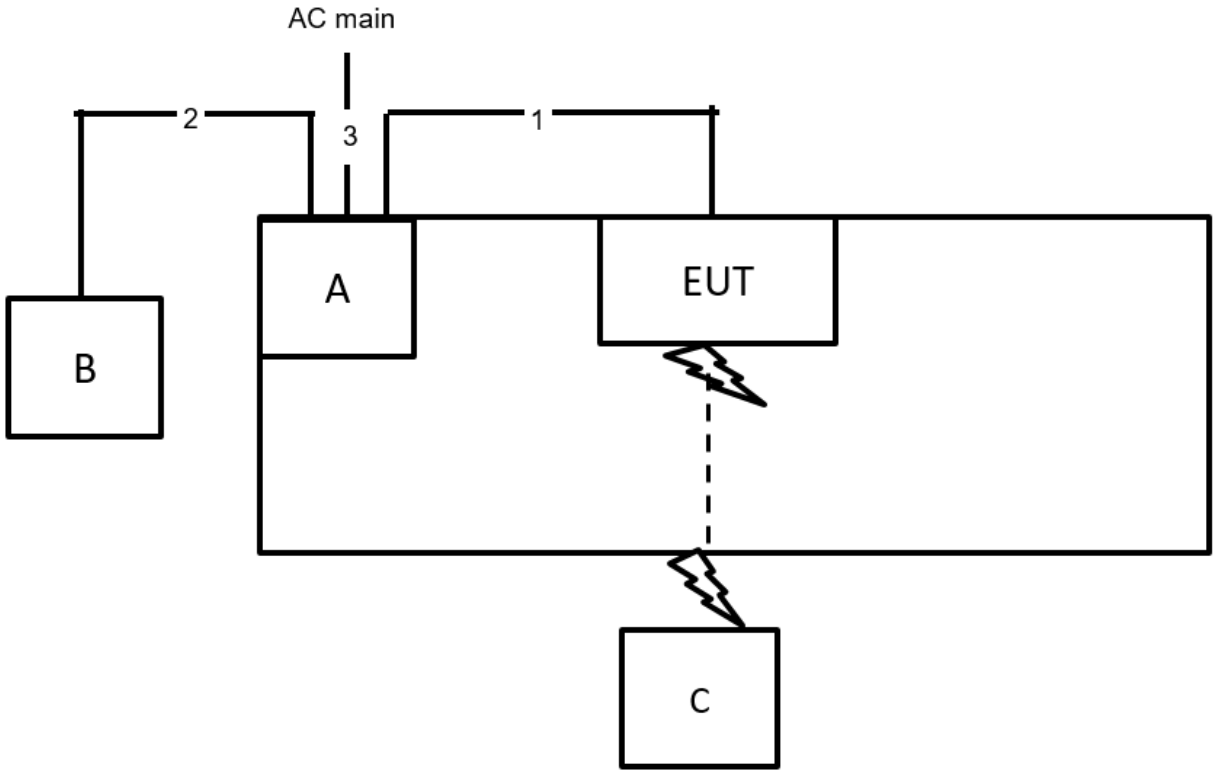
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	PoE 1	PHIHONG	POEA30U-1AT-1	N/A

For RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	PoE 2	Cisco	MA-PWR-MV-LV	N/A

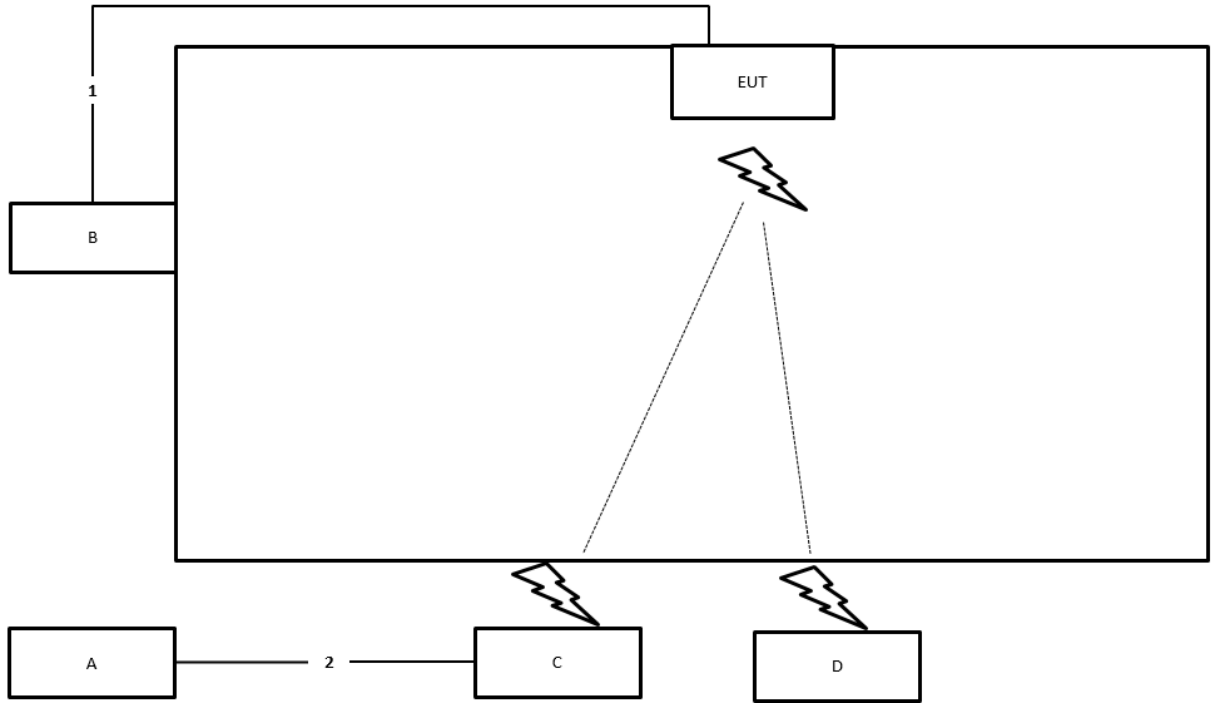
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



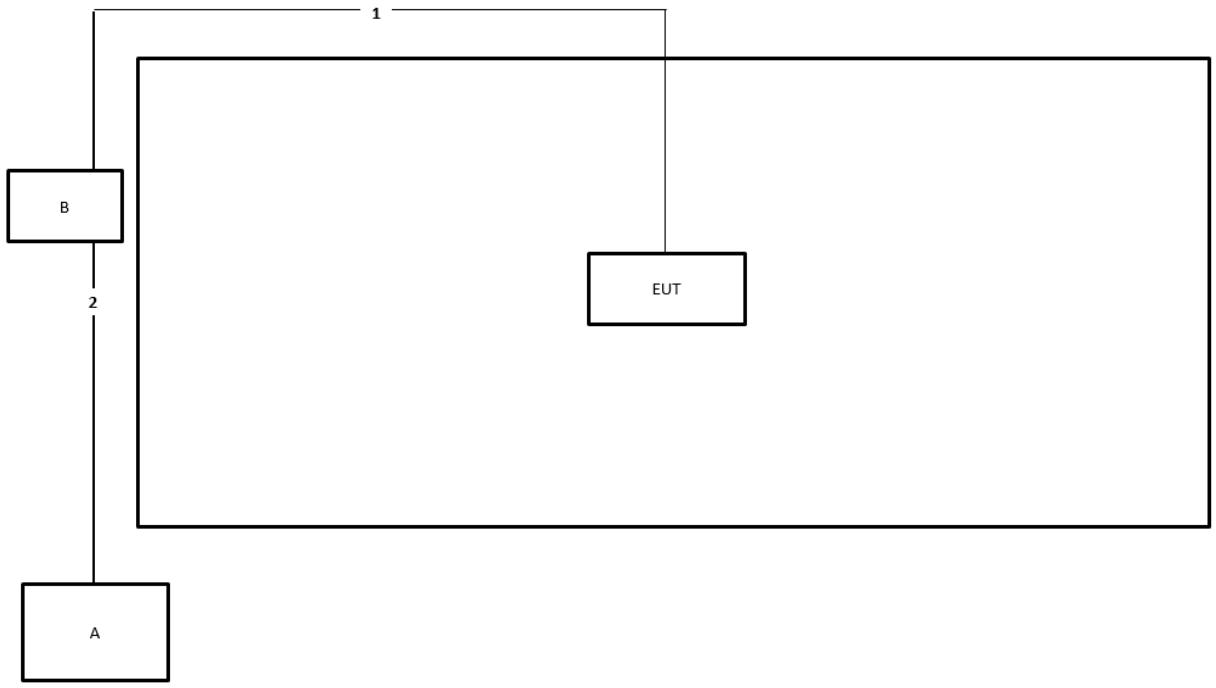
Item	Connection	Shielded	Length
1	RJ-45 cable	No	1.5m
2	RJ-45 cable	No	10m
3	Power cable	No	1m

Test Setup Diagram - Radiated Test < 1GHz



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

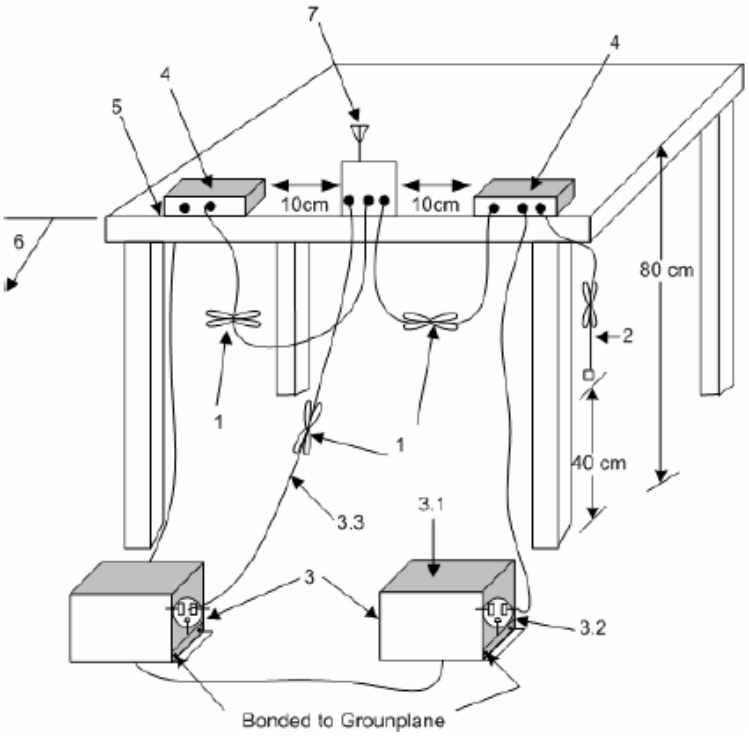
Refer a test equipment and calibration data table in this test report.

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.

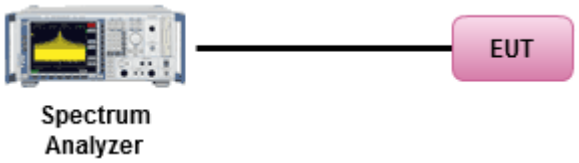
3.2.2 Measuring Instruments

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

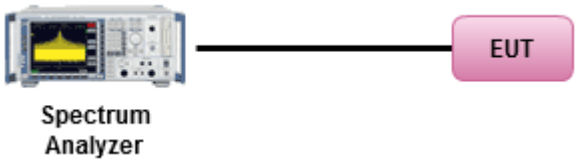
3.4.2 Measuring Instruments

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.	

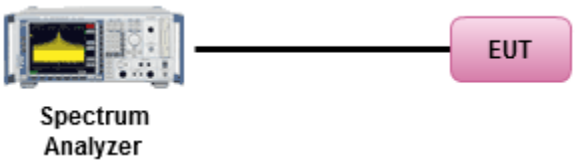
3.5.2 Measuring Instruments

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.

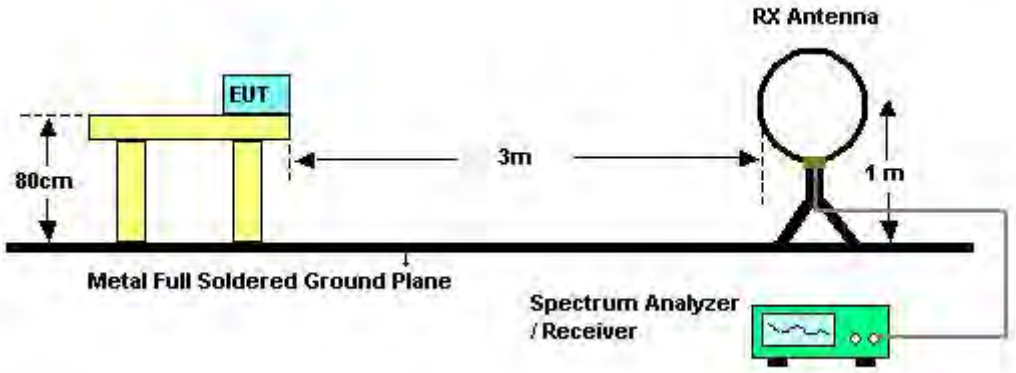
3.6.3 Test Procedures

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.

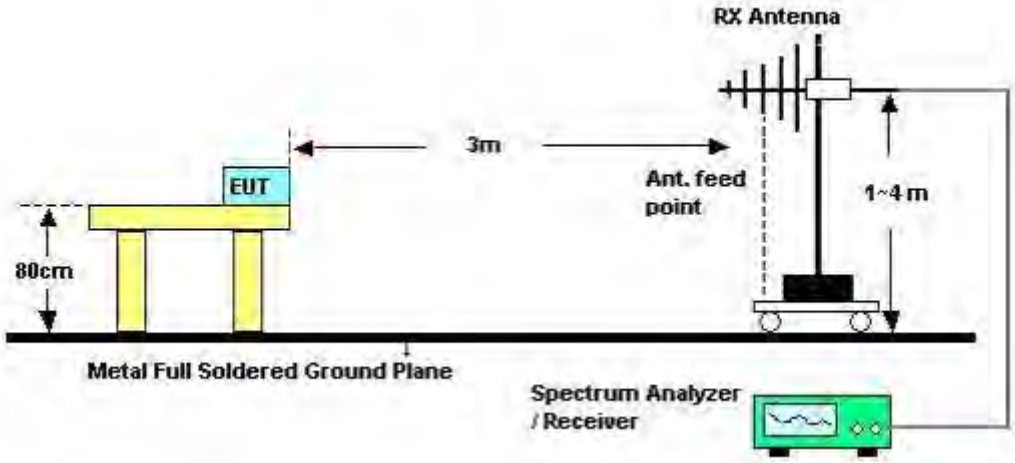
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

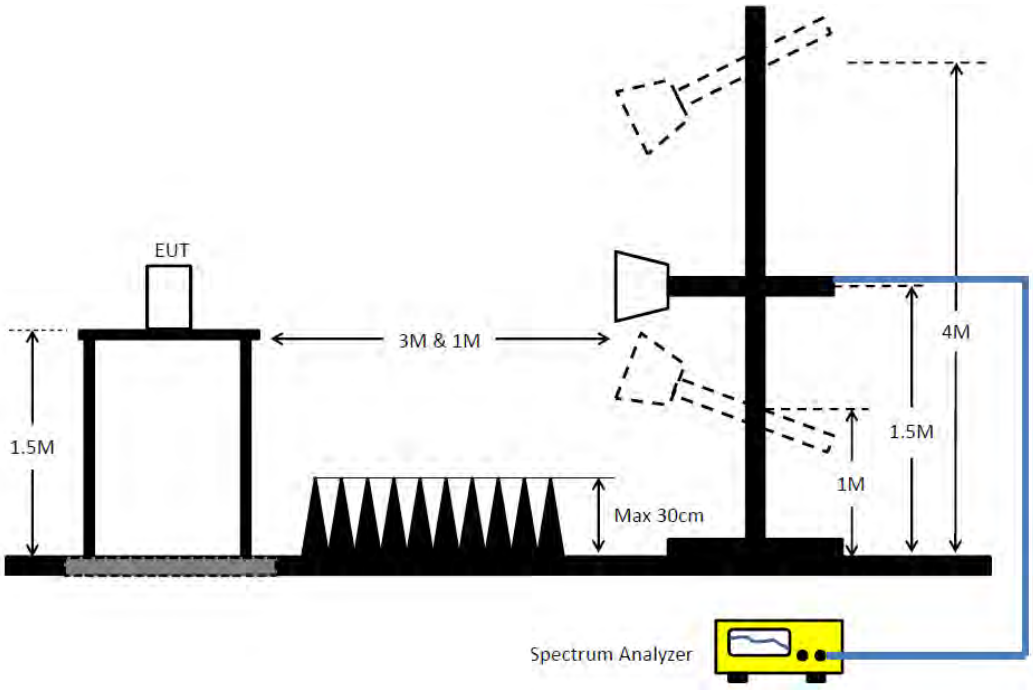
9kHz ~30MHz



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)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 24, 2023	Mar. 23, 2024	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 03, 2023	May 02, 2024	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 03, 2022	Oct. 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)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 23, 2022	Jun. 22, 2023	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH05-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 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)
High Cable	Woken	WCA0929M	40G#5	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#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	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 26, 2022	Mar. 25, 2023	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 25, 2023	Mar. 24, 2024	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 19, 2022	Apr. 18, 2023	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Dec. 05, 2022	Dec. 04, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	May 27, 2022	May 26, 2023	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1531344	300MHz~ 40GHz	Jul. 31, 2022	Jul. 30, 2023	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1728002	300MHz~ 40GHz	Jul. 31, 2022	Jul. 30, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-13	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 GHz – 26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

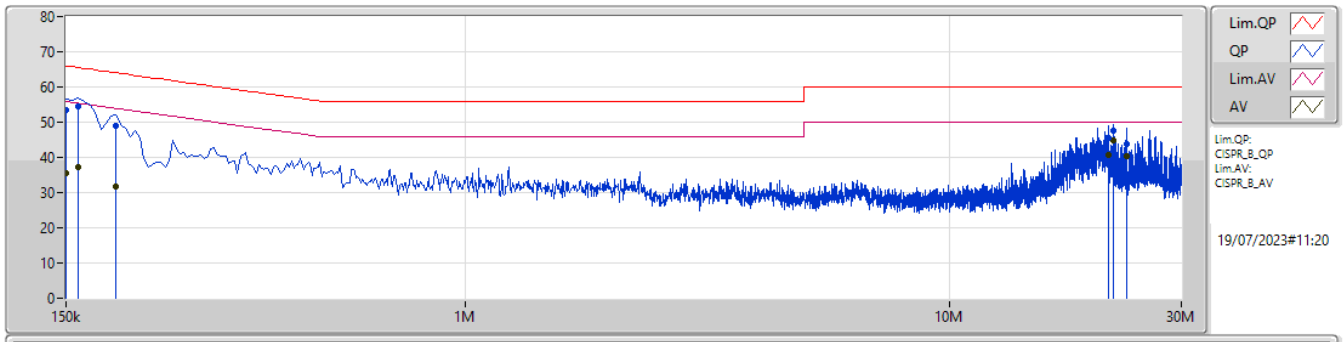
Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.

Summary

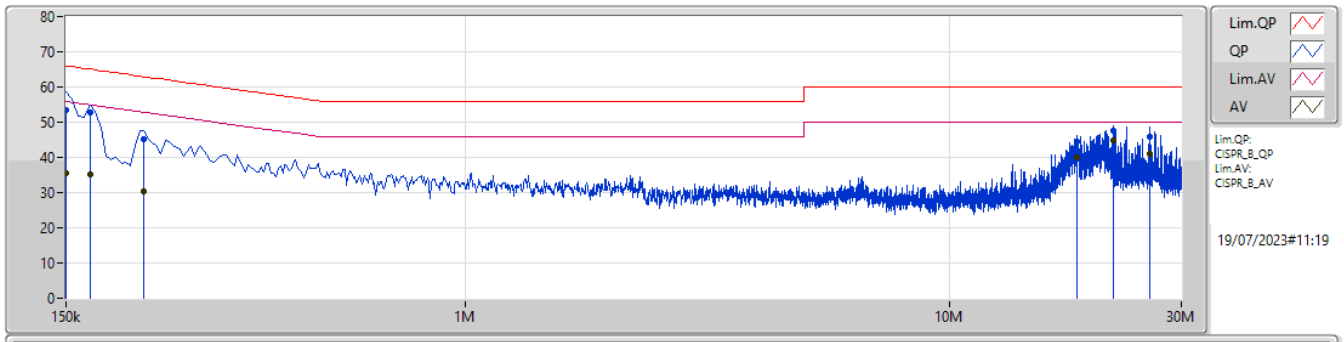
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	AV	21.665M	44.89	50.00	-5.11	Neutral

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	9.05M	14.066M	14M1G1D	8.075M	13.926M
802.11g_Nss1,(6Mbps)_1TX	15.65M	16.723M	16M7D1D	15.275M	16.588M
VHT20_Nss1,(MCS0)_1TX	16.525M	19.456M	19M5D1D	15.65M	17.737M
VHT40_Nss1,(MCS0)_1TX	35.7M	36.262M	36M3D1D	35.65M	36.192M

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

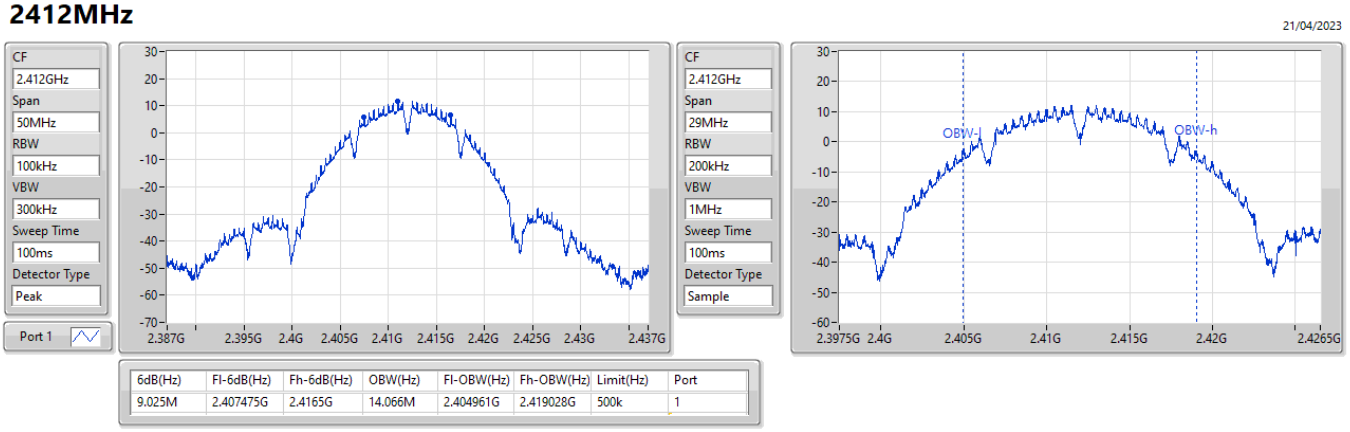
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	9.025M	14.066M
2437MHz	Pass	500k	9.05M	13.926M
2462MHz	Pass	500k	8.075M	13.94M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	15.65M	16.59M
2437MHz	Pass	500k	15.625M	16.723M
2462MHz	Pass	500k	15.275M	16.588M
VHT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	16.525M	17.792M
2437MHz	Pass	500k	16.525M	19.456M
2462MHz	Pass	500k	15.65M	17.737M
VHT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	35.7M	36.192M
2437MHz	Pass	500k	35.65M	36.238M
2452MHz	Pass	500k	35.65M	36.262M

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

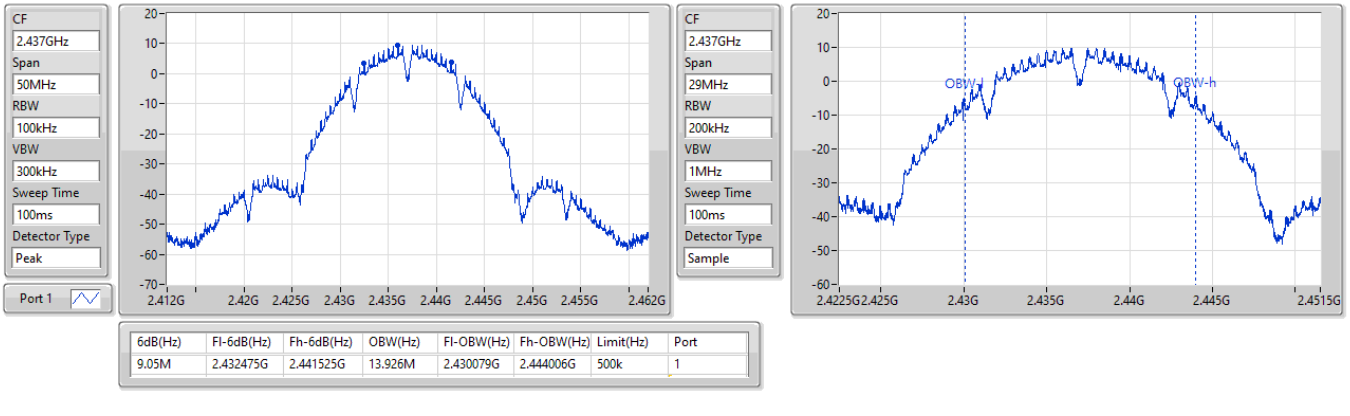
2412MHz



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	14.066M	2.404961G	2.419028G	500k	1

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

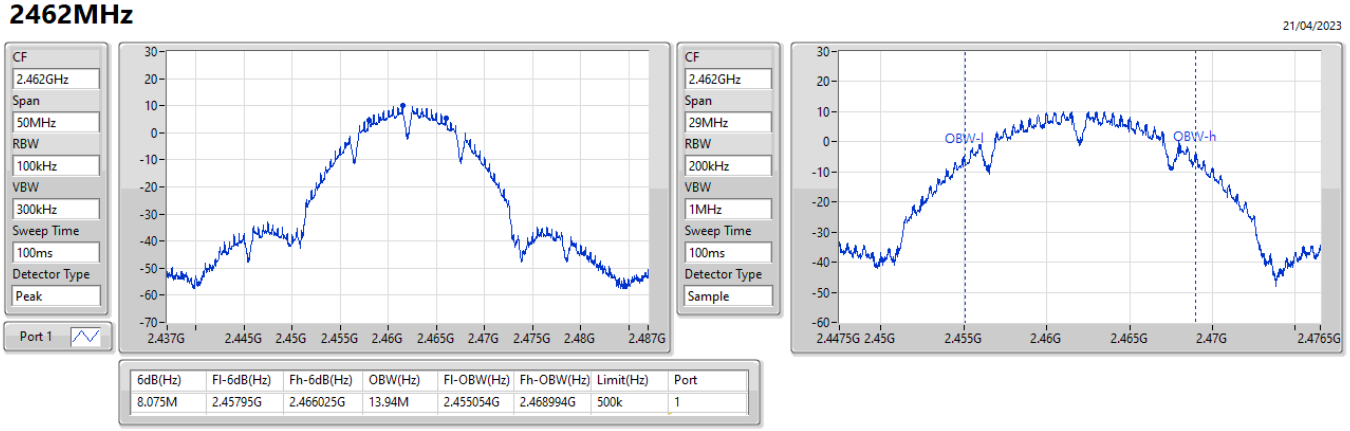
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.05M	2.432475G	2.441525G	13.926M	2.430079G	2.444006G	500k	1

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

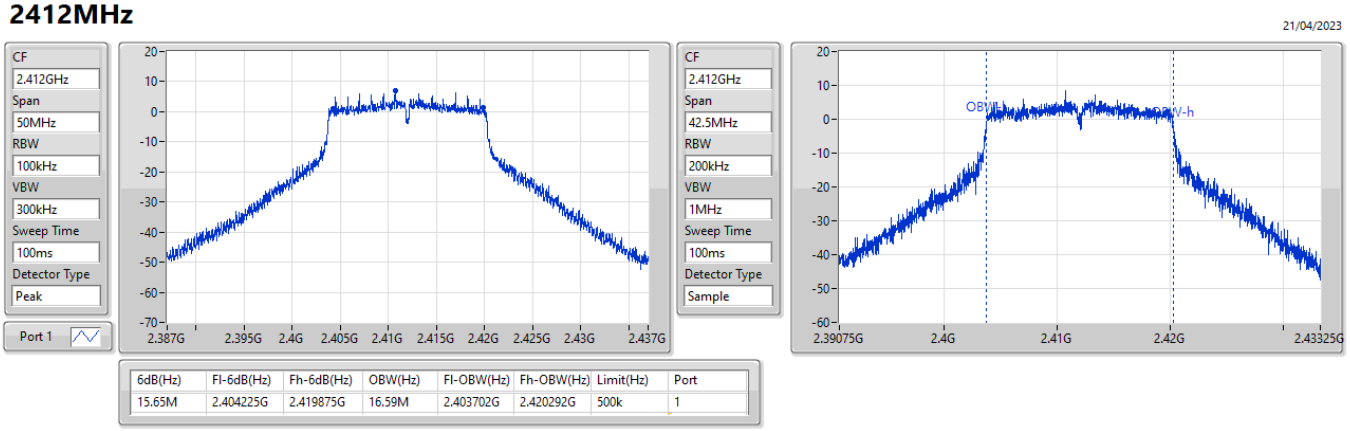
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.075M	2.45795G	2.466025G	13.94M	2.455054G	2.468994G	500k	1

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

2412MHz

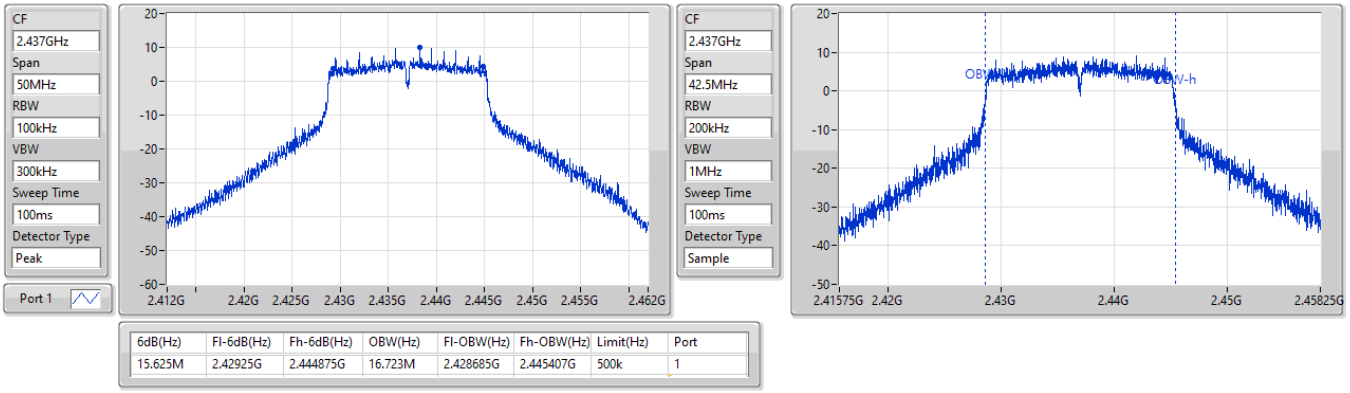


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.65M	2.404225G	2.419875G	16.59M	2.403702G	2.420292G	500k	1

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

2437MHz

21/04/2023

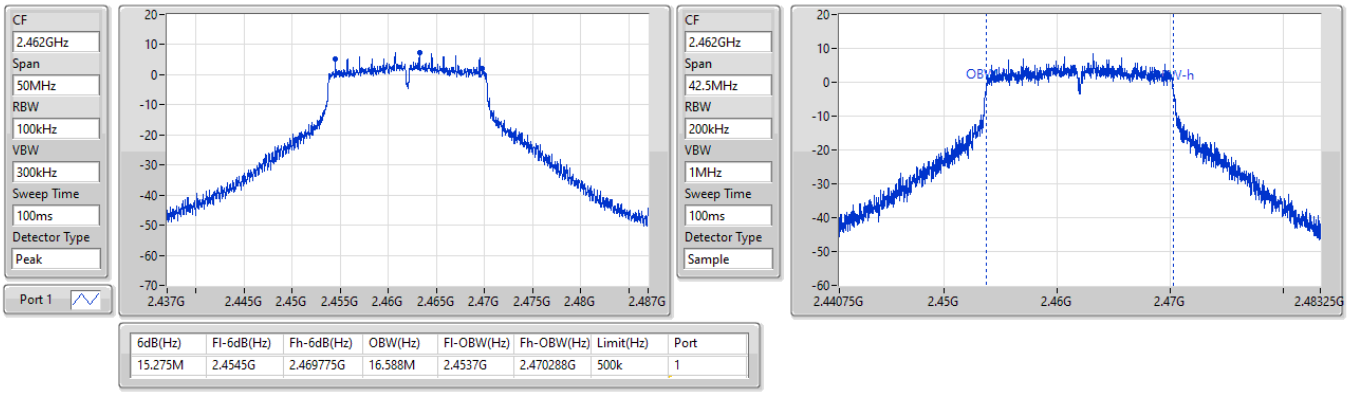


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.625M	2.42925G	2.444875G	16.723M	2.428685G	2.445407G	500k	1

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

2462MHz

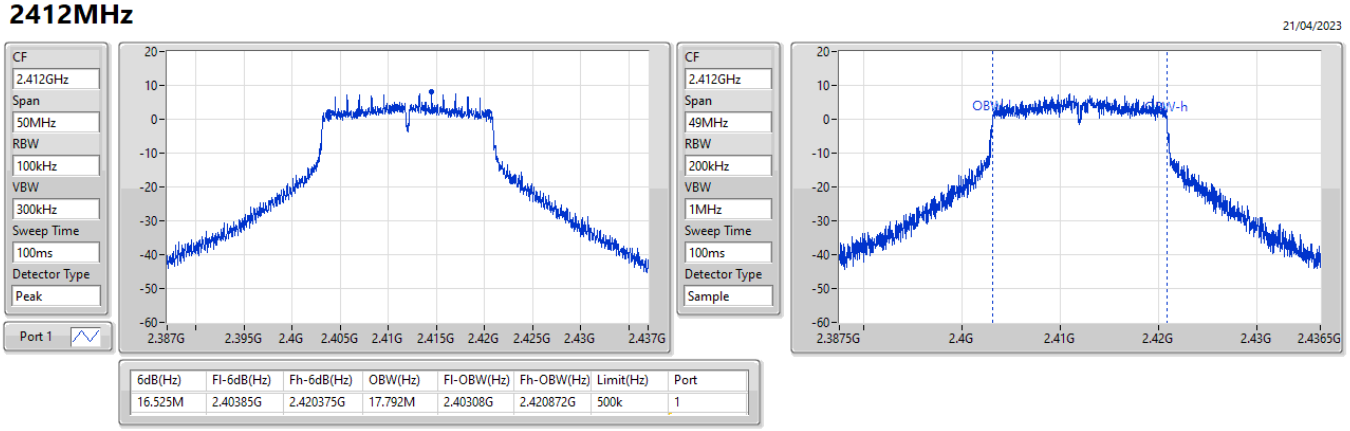
21/04/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.275M	2.4545G	2.469775G	16.588M	2.4537G	2.470288G	500k	1

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX EBW

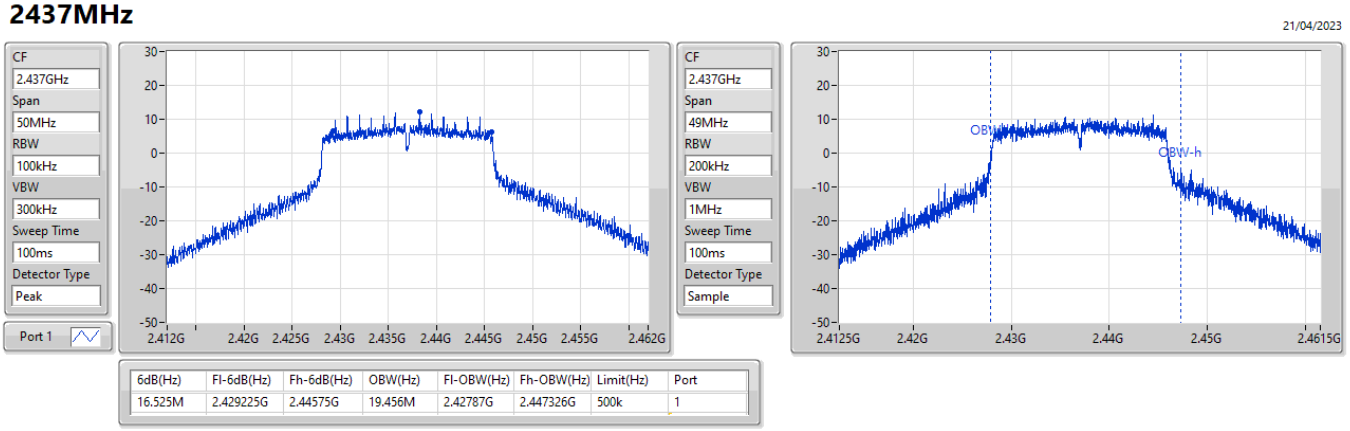
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.525M	2.40385G	2.420375G	17.792M	2.40308G	2.420872G	500k	1

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX EBW

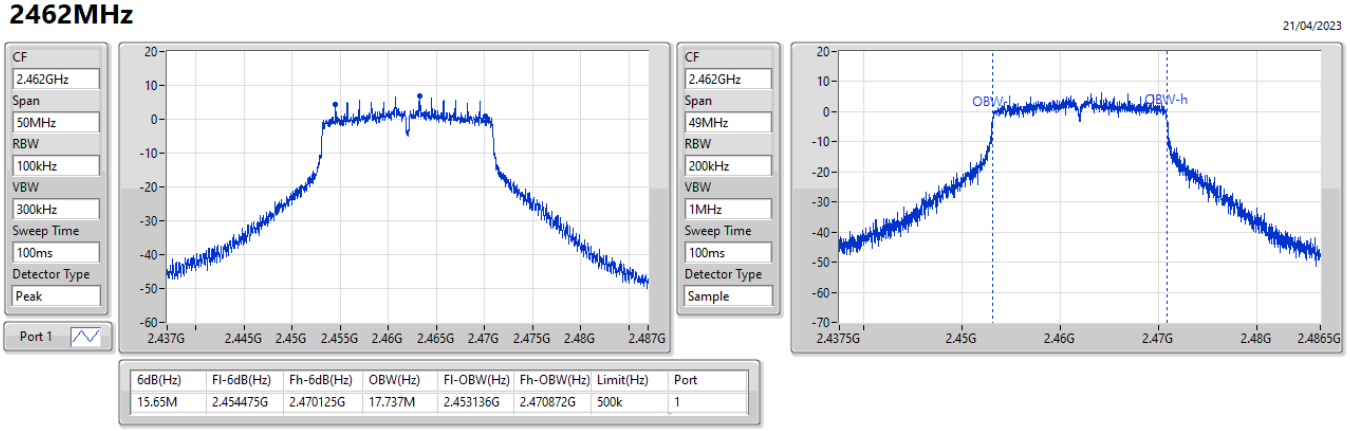
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.525M	2.429225G	2.44575G	19.456M	2.42787G	2.447326G	500k	1

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX EBW

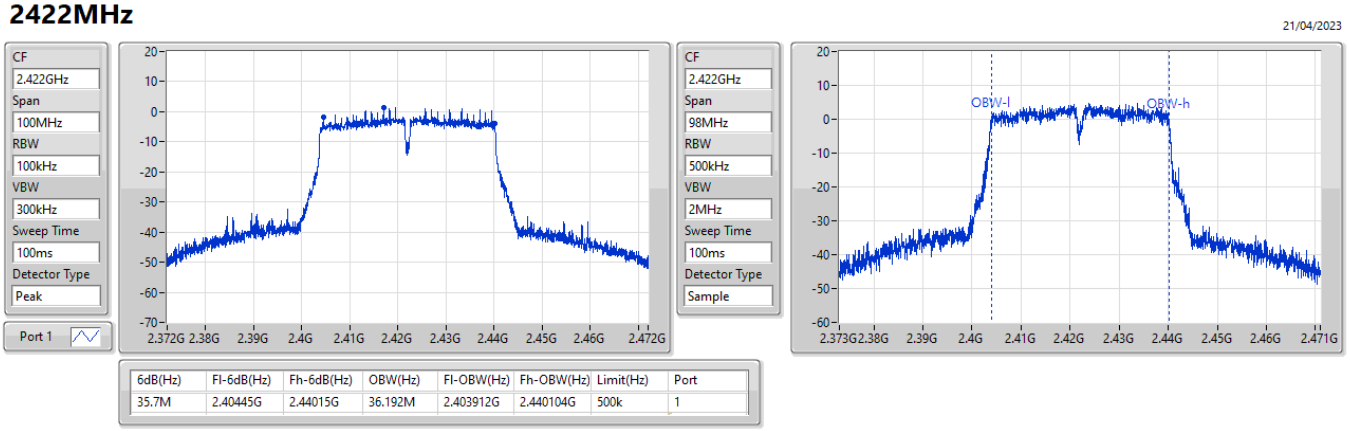
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.65M	2.454475G	2.470125G	17.737M	2.453136G	2.470872G	500k	1

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX EBW

2422MHz

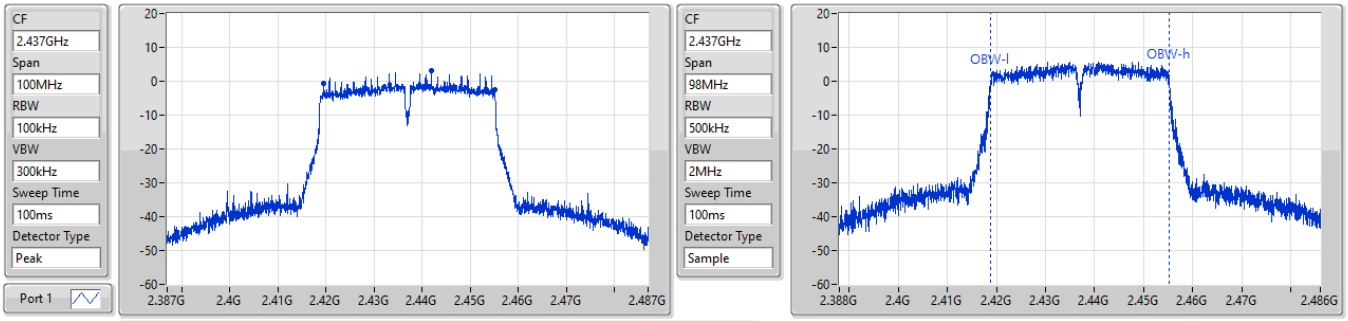


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.7M	2.40445G	2.44015G	36.192M	2.403912G	2.440104G	500k	1

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX EBW

2437MHz

21/04/2023

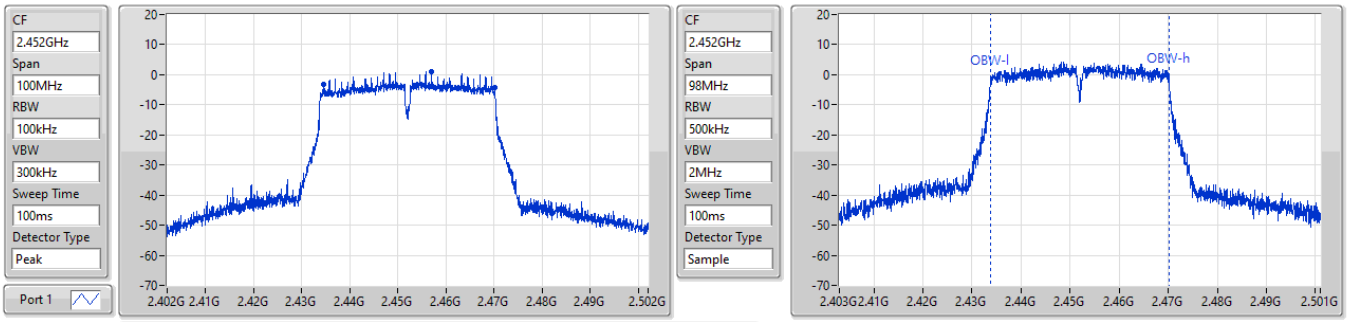


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.65M	2.4195G	2.45515G	36.238M	2.418904G	2.455142G	500k	1

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX EBW

2452MHz

21/04/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.65M	2.43445G	2.4701G	36.262M	2.43385G	2.470112G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	20.20	0.10471
802.11g_Nss1,(6Mbps)_1TX	19.50	0.08913
VHT20_Nss1,(MCS0)_1TX	21.73	0.14894
VHT40_Nss1,(MCS0)_1TX	16.31	0.04276

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	3.82	20.20	20.20	30.00
2437MHz	Pass	3.82	18.16	18.16	30.00
2462MHz	Pass	3.82	18.75	18.75	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	3.82	16.95	16.95	30.00
2437MHz	Pass	3.82	19.50	19.50	30.00
2462MHz	Pass	3.82	17.32	17.32	30.00
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	3.82	18.17	18.17	30.00
2417MHz	Pass	3.82	19.93	19.93	30.00
2437MHz	Pass	3.82	21.73	21.73	30.00
2457MHz	Pass	3.82	18.28	18.28	30.00
2462MHz	Pass	3.82	16.60	16.60	30.00
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	3.82	15.22	15.22	30.00
2437MHz	Pass	3.82	16.31	16.31	30.00
2452MHz	Pass	3.82	14.45	14.45	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	-3.96
802.11g_Nss1,(6Mbps)_1TX	-6.22
VHT20_Nss1,(MCS0)_1TX	-4.60
VHT40_Nss1,(MCS0)_1TX	-12.94

RBW = 3kHz;

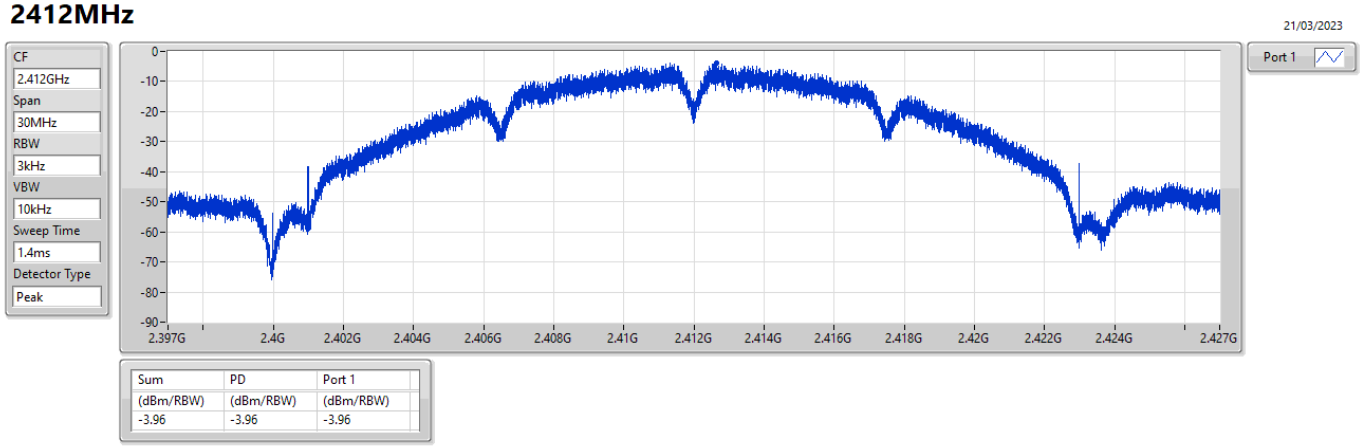
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	3.82	-3.96	-3.96	8.00
2437MHz	Pass	3.82	-5.60	-5.60	8.00
2462MHz	Pass	3.82	-4.76	-4.76	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	3.82	-8.16	-8.16	8.00
2437MHz	Pass	3.82	-6.22	-6.22	8.00
2462MHz	Pass	3.82	-8.82	-8.82	8.00
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	3.82	-6.87	-6.87	8.00
2437MHz	Pass	3.82	-4.60	-4.60	8.00
2462MHz	Pass	3.82	-8.90	-8.90	8.00
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	3.82	-13.66	-13.66	8.00
2437MHz	Pass	3.82	-12.94	-12.94	8.00
2452MHz	Pass	3.82	-14.70	-14.70	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;

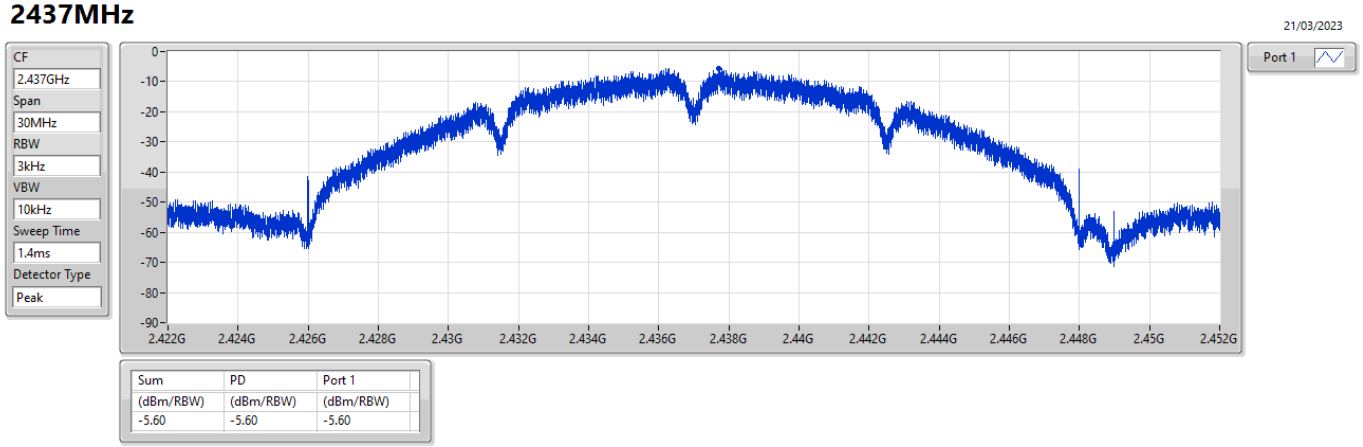
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **PSD**

2412MHz



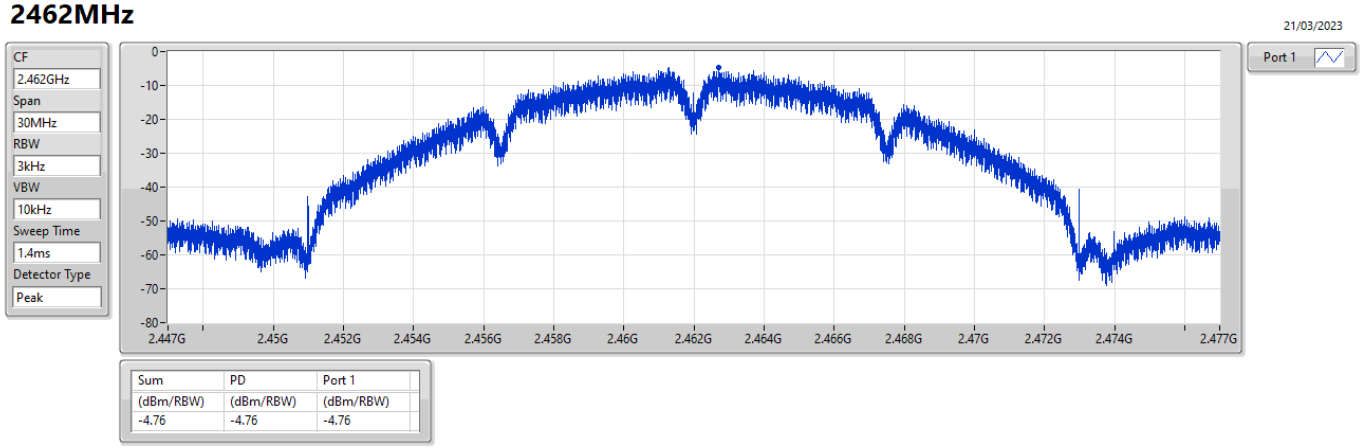
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **PSD**

2437MHz



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

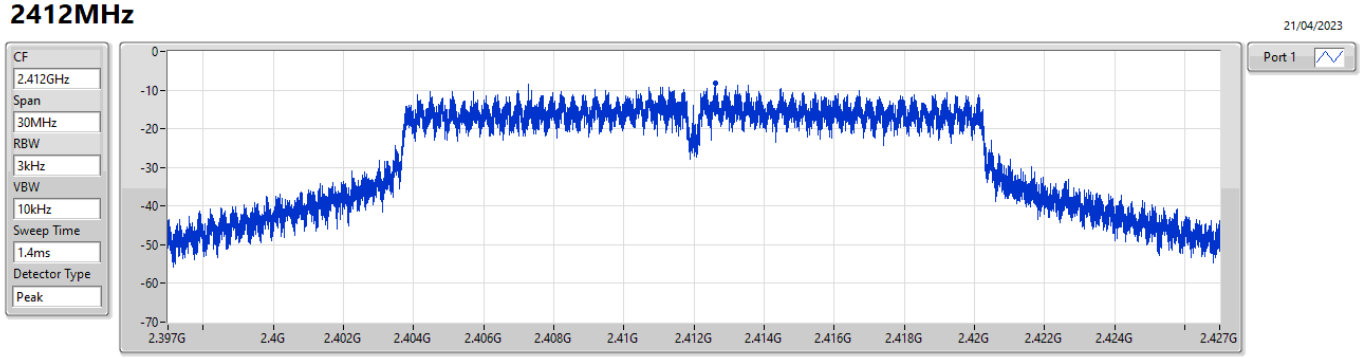
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.76	-4.76	-4.76

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

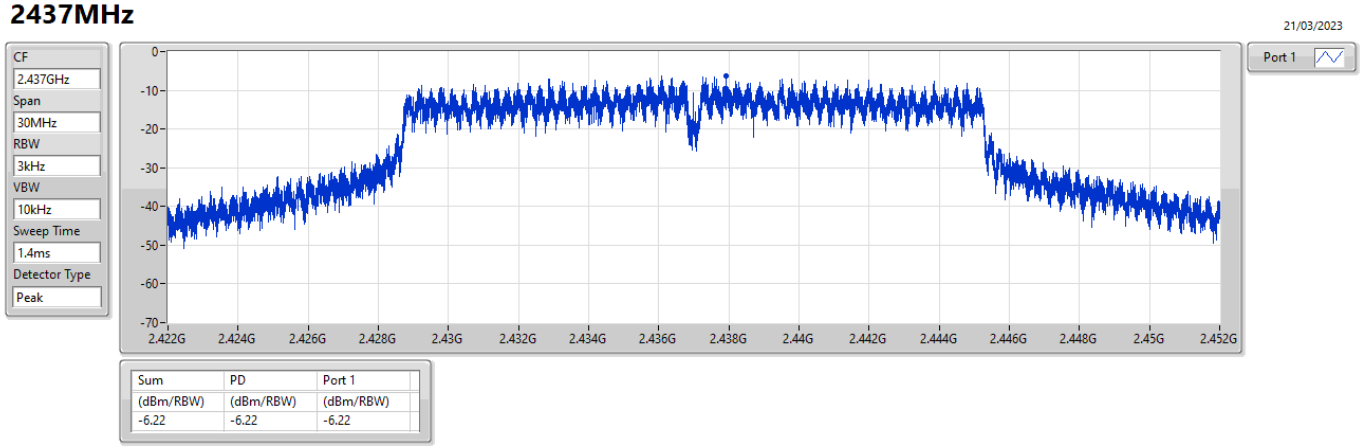
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.16	-8.16	-8.16

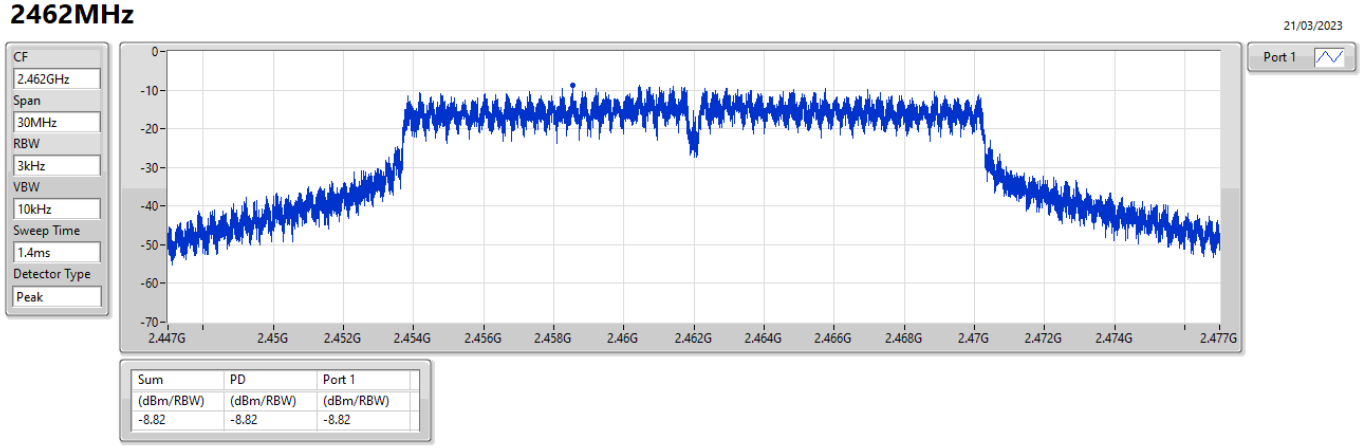
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **PSD**

2437MHz



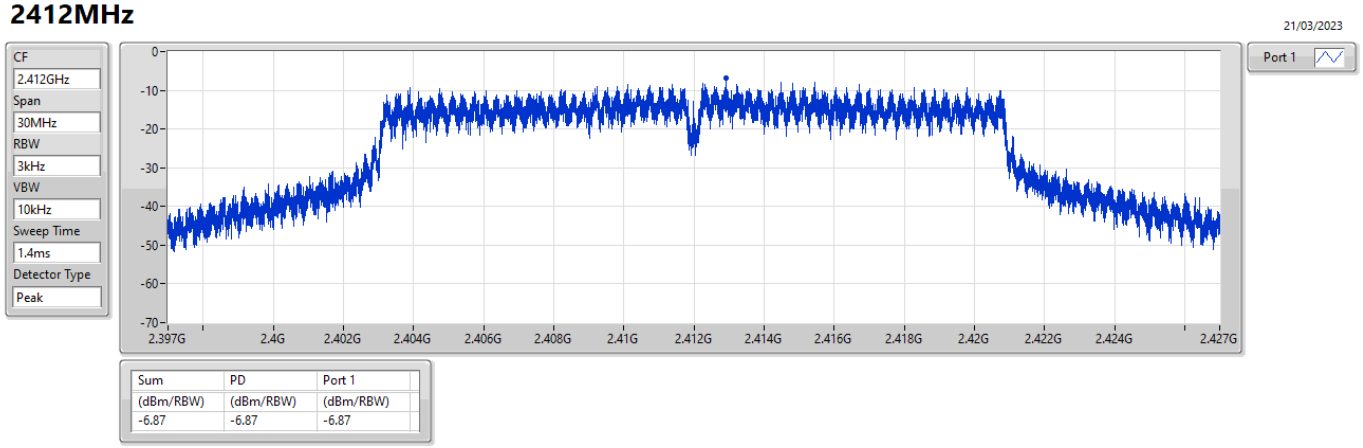
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **PSD**

2462MHz



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

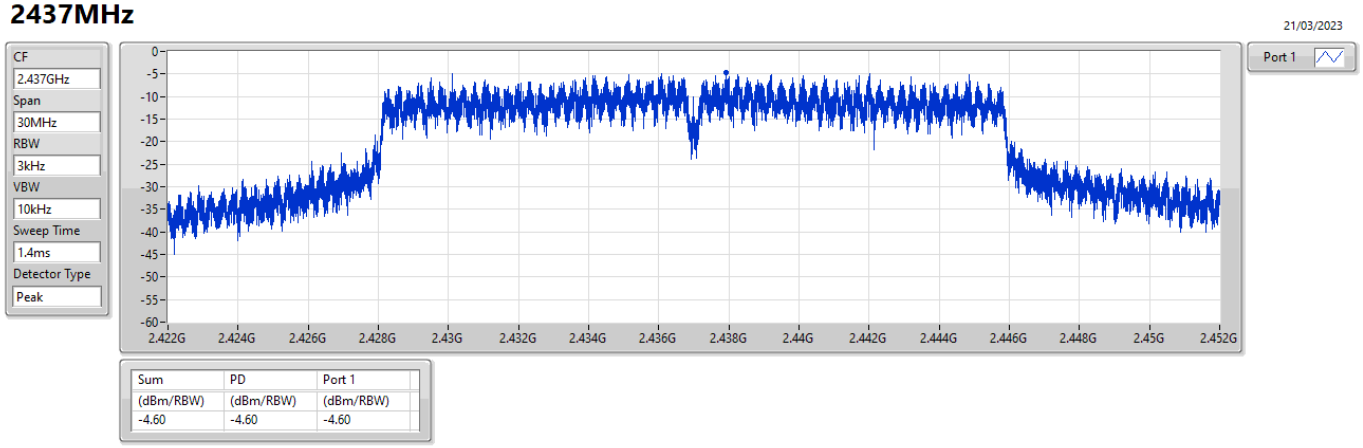
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.87	-6.87	-6.87

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

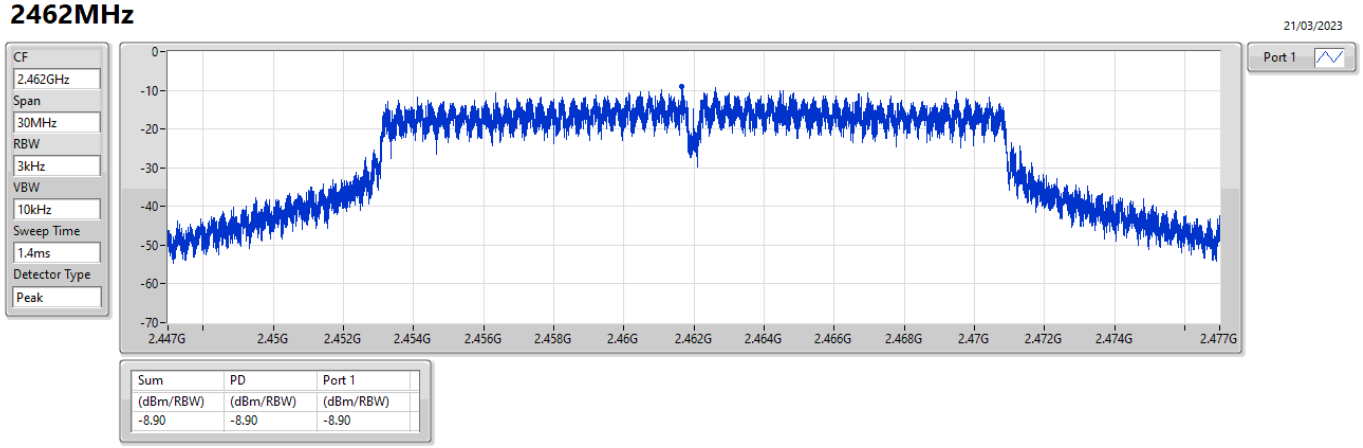
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.60	-4.60	-4.60

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX PSD

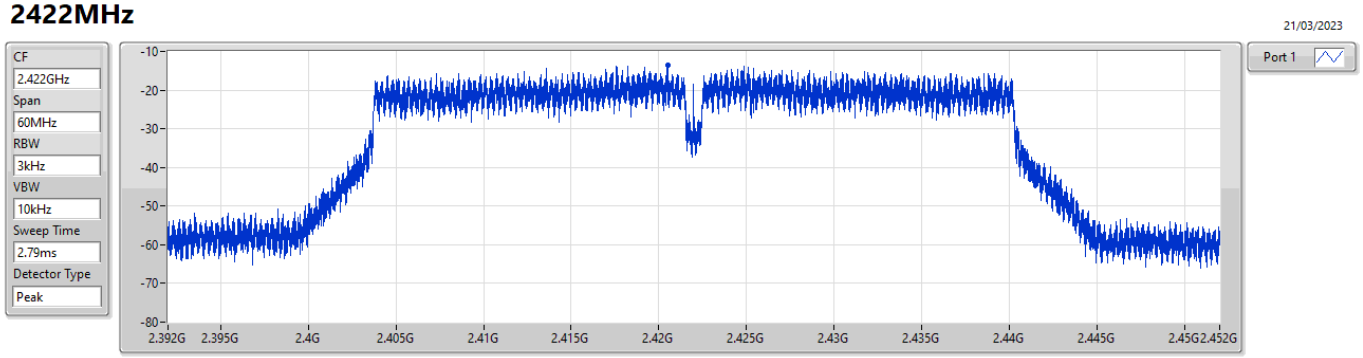
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.90	-8.90	-8.90

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX PSD

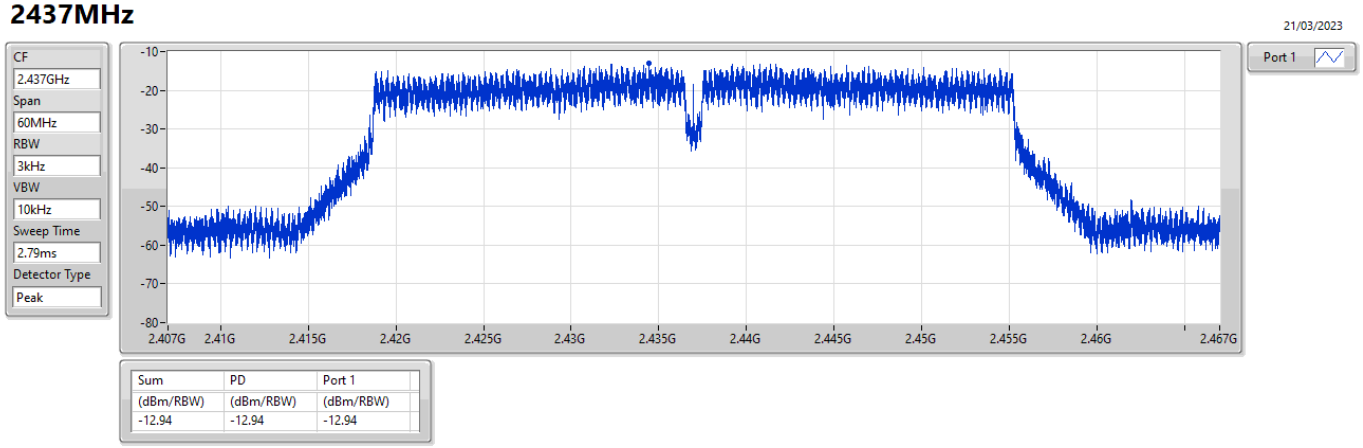
2422MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.66	-13.66	-13.66

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

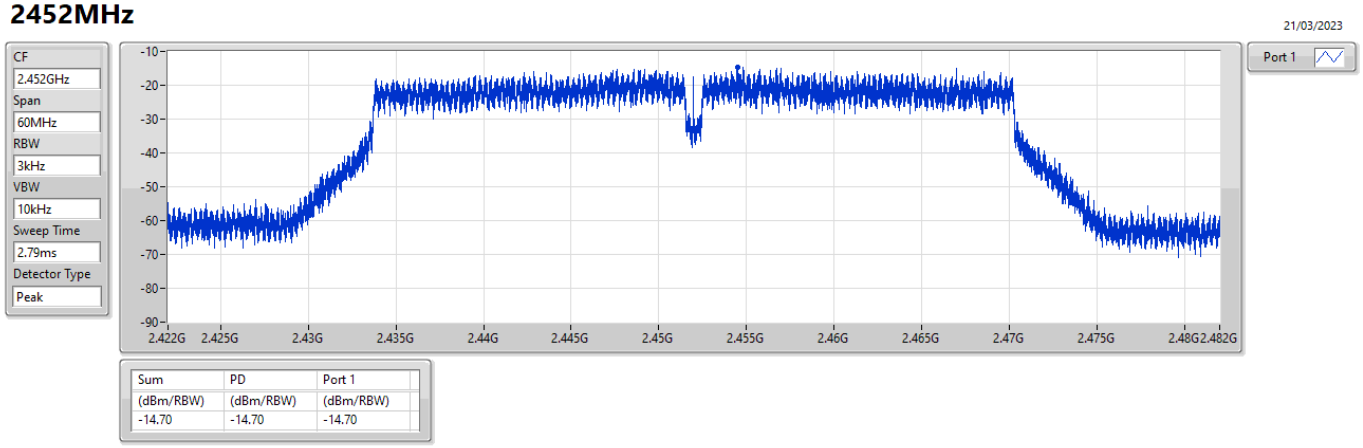
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.94	-12.94	-12.94

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

2452MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.70	-14.70	-14.70

Summary

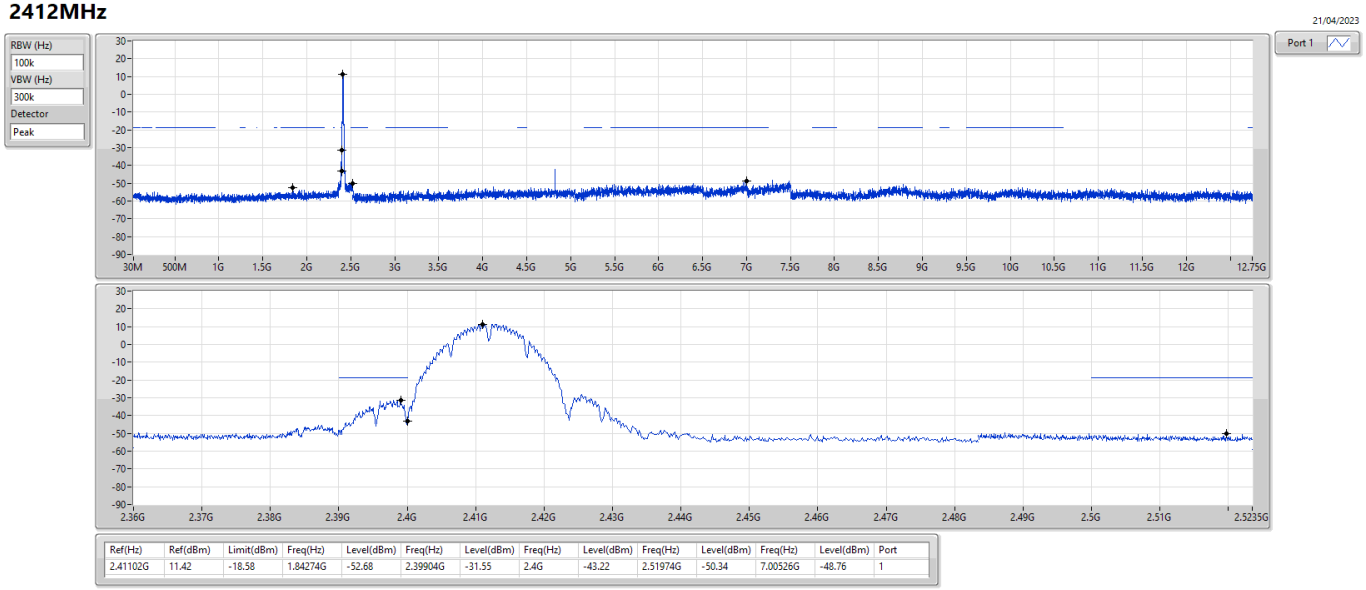
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.41102G	11.42	-18.58	1.84274G	-52.68	2.39904G	-31.55	2.4G	-43.22	2.51974G	-50.34	7.00526G	-48.76	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43574G	9.88	-20.12	1.88818G	-53.96	2.39984G	-21.39	2.4G	-20.33	2.5215G	-49.25	21.98815G	-47.77	1
VHT20_Nss1,(MCS0)_1TX	Pass	2.43574G	12.24	-17.76	2.30525G	-52.70	2.3996G	-19.03	2.4G	-18.33	2.5003G	-48.89	21.57233G	-47.32	1
VHT40_Nss1,(MCS0)_1TX	Pass	2.44192G	3.22	-26.78	2.16772G	-52.89	2.39712G	-32.26	2.4G	-34.21	2.50142G	-49.22	21.46345G	-47.48	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	2.41102G	11.42	-18.58	1.84274G	-52.68	2.39904G	-31.55	2.4G	-43.22	2.51974G	-50.34	7.00526G	-48.76	1
2437MHz	Pass	2.41102G	11.42	-18.58	1.92196G	-53.69	2.39936G	-50.94	2.4G	-53.85	2.5131G	-49.98	21.68191G	-46.59	1
2462MHz	Pass	2.41102G	11.42	-18.58	1.65634G	-53.72	2.39112G	-50.79	2.4G	-55.01	2.52294G	-49.22	21.81677G	-46.42	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	9.88	-20.12	1.88818G	-53.96	2.39984G	-21.39	2.4G	-20.33	2.5215G	-49.25	21.98815G	-47.77	1
2437MHz	Pass	2.43574G	9.88	-20.12	2.10487G	-54.06	2.39992G	-44.45	2.4G	-45.88	2.50838G	-45.87	21.69876G	-46.42	1
2462MHz	Pass	2.43574G	9.88	-20.12	1.82993G	-52.47	2.39184G	-50.72	2.4G	-53.25	2.50414G	-47.75	21.91229G	-47.50	1
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	12.24	-17.76	2.30525G	-52.70	2.3996G	-19.03	2.4G	-18.33	2.5003G	-48.89	21.57233G	-47.32	1
2437MHz	Pass	2.43574G	12.24	-17.76	2.1072G	-54.03	2.39696G	-36.78	2.4G	-37.75	2.50006G	-46.76	21.651G	-47.09	1
2462MHz	Pass	2.43574G	12.24	-17.76	2.10487G	-53.52	2.4G	-49.01	2.4G	-53.65	2.50638G	-47.66	21.72686G	-47.94	1
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44192G	3.22	-26.78	2.16772G	-52.89	2.39712G	-32.26	2.4G	-34.21	2.50142G	-49.22	21.46345G	-47.48	1
2437MHz	Pass	2.44192G	3.22	-26.78	2.03833G	-53.49	2.39952G	-32.73	2.4G	-37.70	2.50254G	-48.17	21.70744G	-45.43	1
2452MHz	Pass	2.44192G	3.22	-26.78	2.17115G	-53.66	2.4G	-51.33	2.4G	-51.84	2.5019G	-46.29	21.51112G	-47.64	1

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

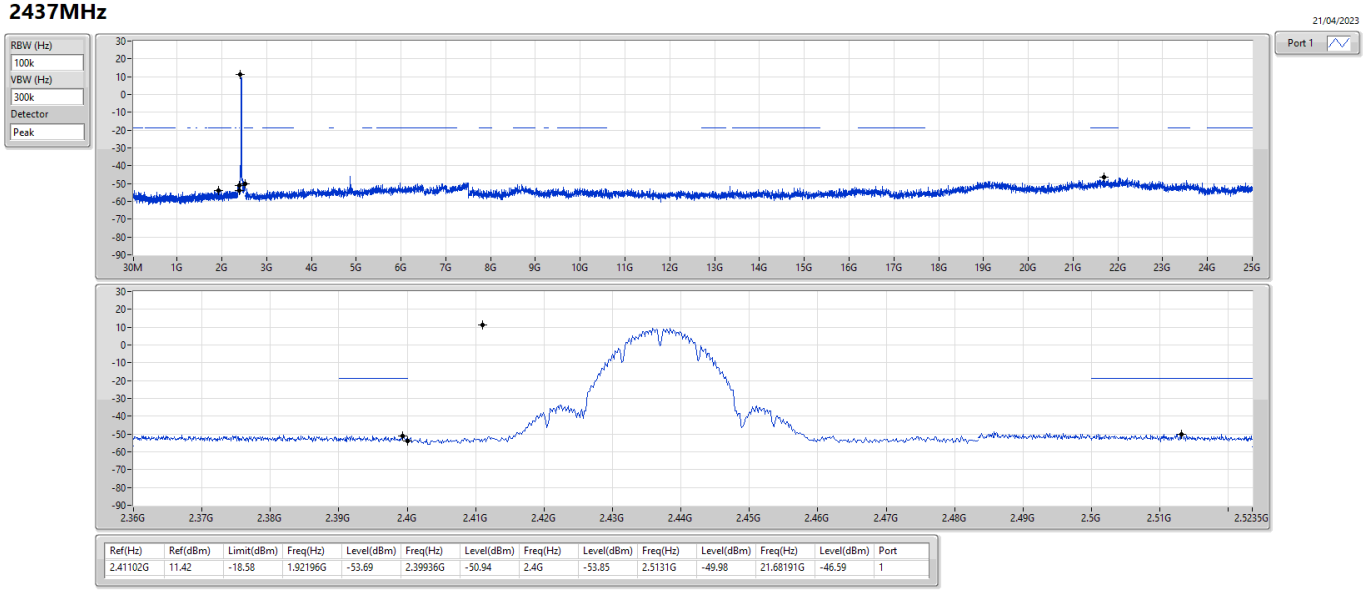
2412MHz



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
2.41102G	11.42	-18.58	1.84274G	-52.68	2.39904G	-31.55	2.4G	-43.22	2.51974G	-50.34	7.00526G	-48.76	1

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

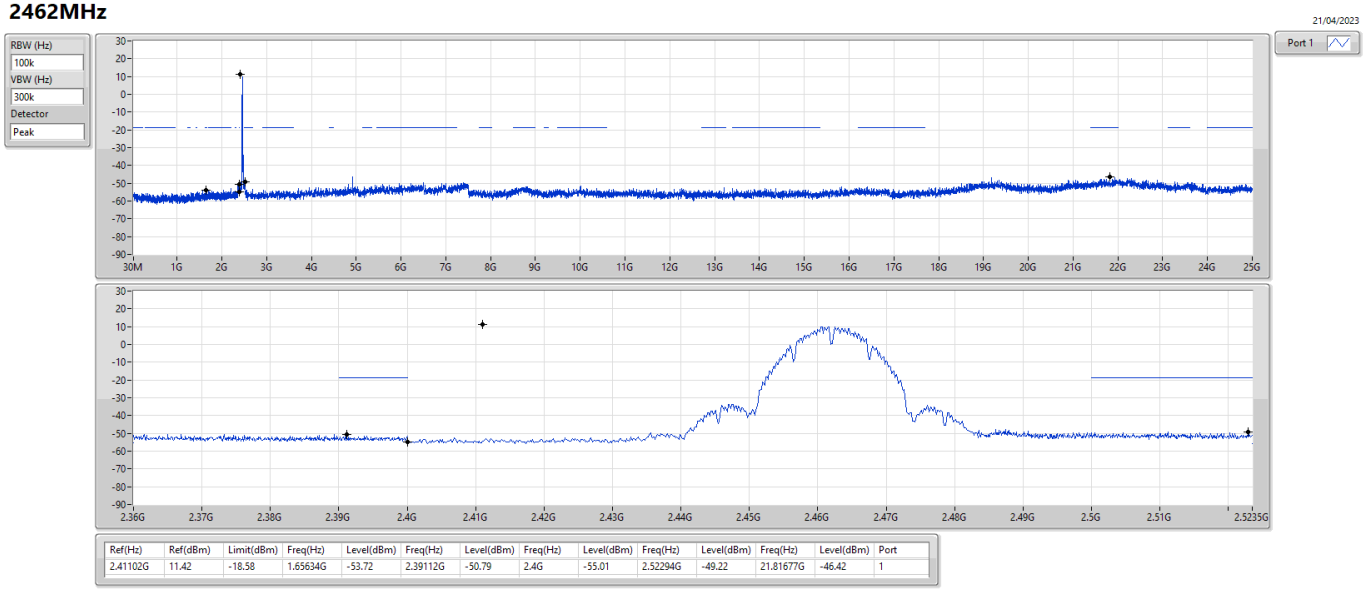
2437MHz



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
2.41102G	11.42	-18.58	1.92196G	-53.69	2.39936G	-50.94	2.4G	-53.85	2.5131G	-49.98	21.68191G	-46.59	1

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

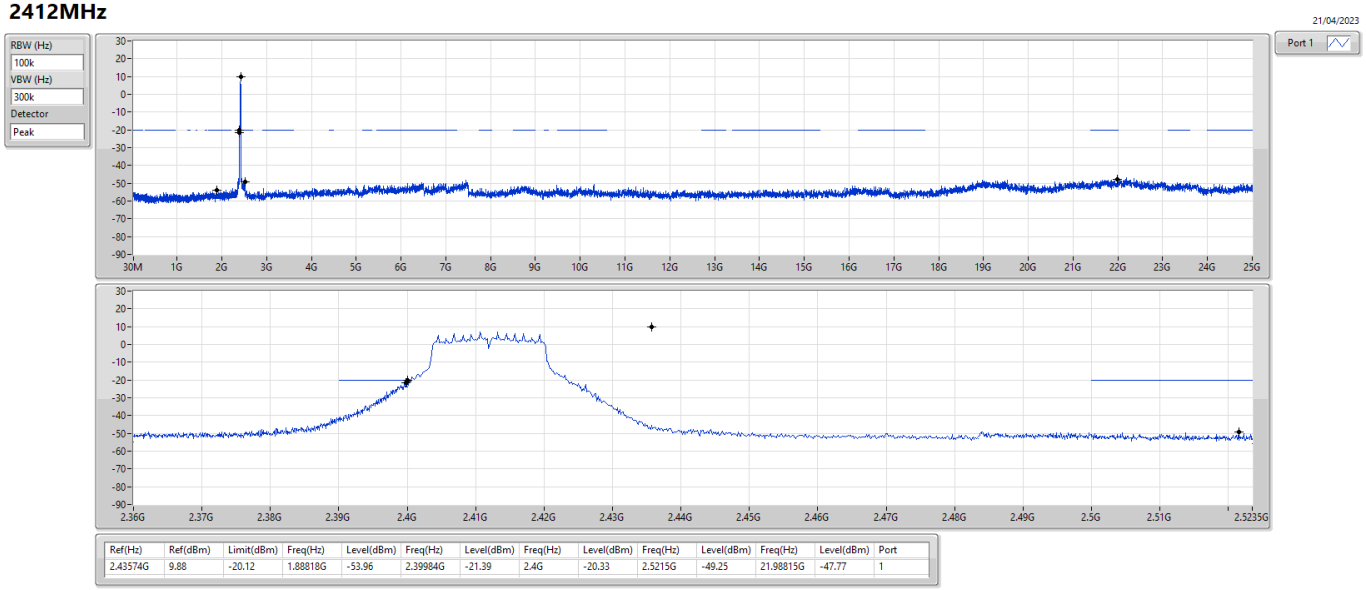
2462MHz



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
2.41102G	11.42	-18.58	1.65634G	-53.72	2.39112G	-50.79	2.4G	-55.01	2.52294G	-49.22	21.81677G	-46.42	1

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

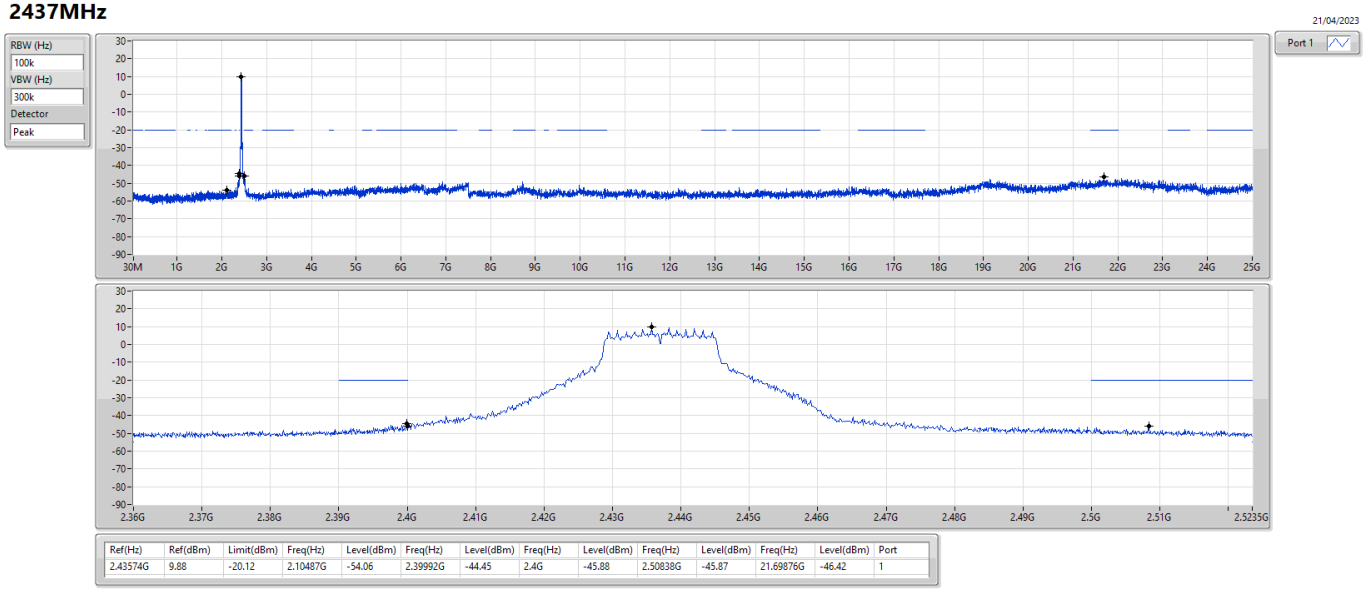
2412MHz



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	9.88	-20.12	1.88818G	-53.96	2.39984G	-21.39	2.4G	-20.33	2.5215G	-49.25	21.98815G	-47.77	1

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

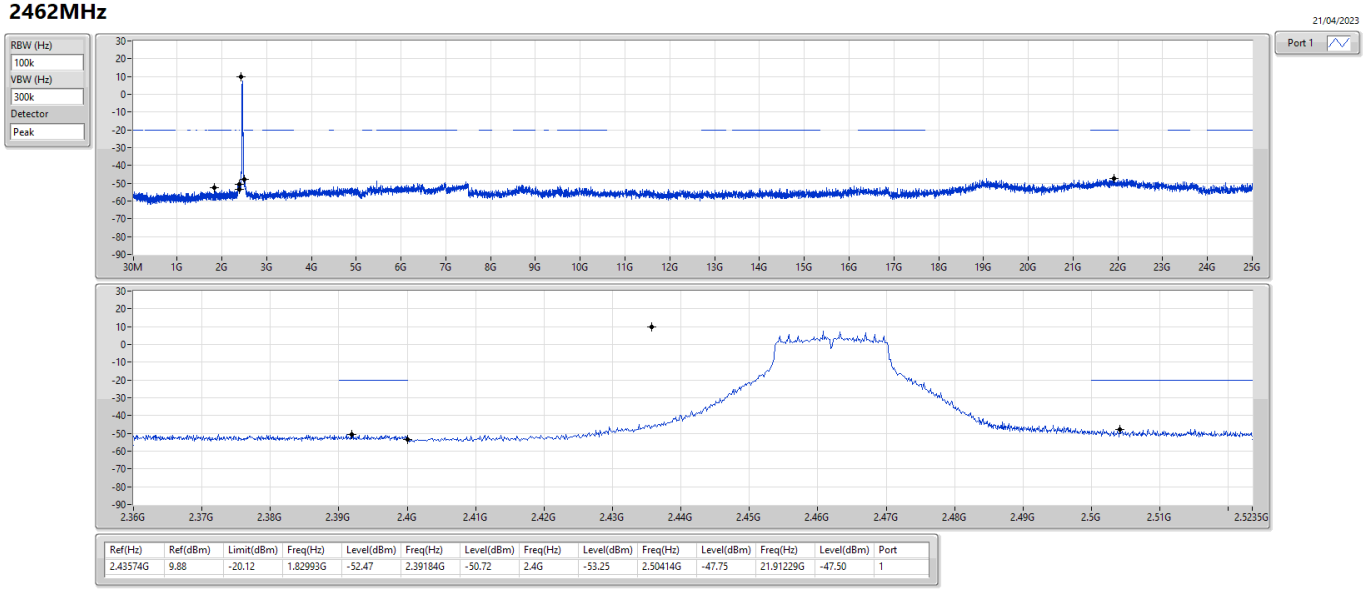
2437MHz



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	9.88	-20.12	2.10487G	-54.06	2.39992G	-44.45	2.4G	-45.88	2.50838G	-45.87	21.69876G	-46.42	1

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

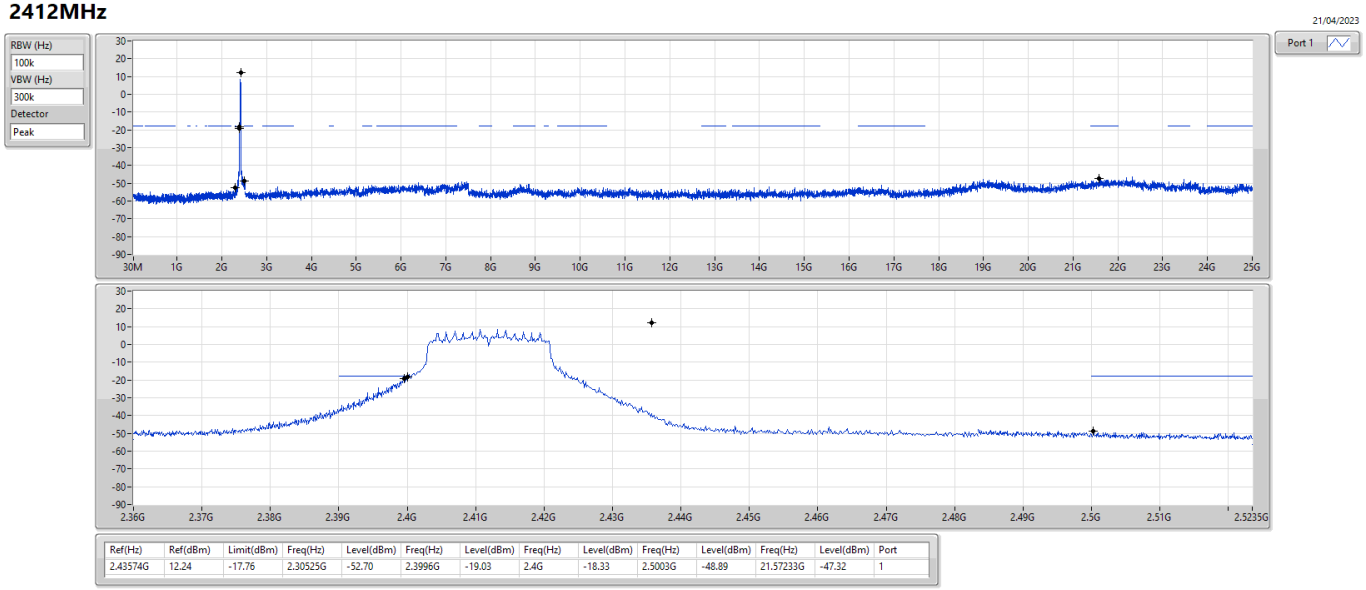
2462MHz



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	9.88	-20.12	1.82993G	-52.47	2.39184G	-50.72	2.4G	-53.25	2.50414G	-47.75	21.91229G	-47.50	1

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

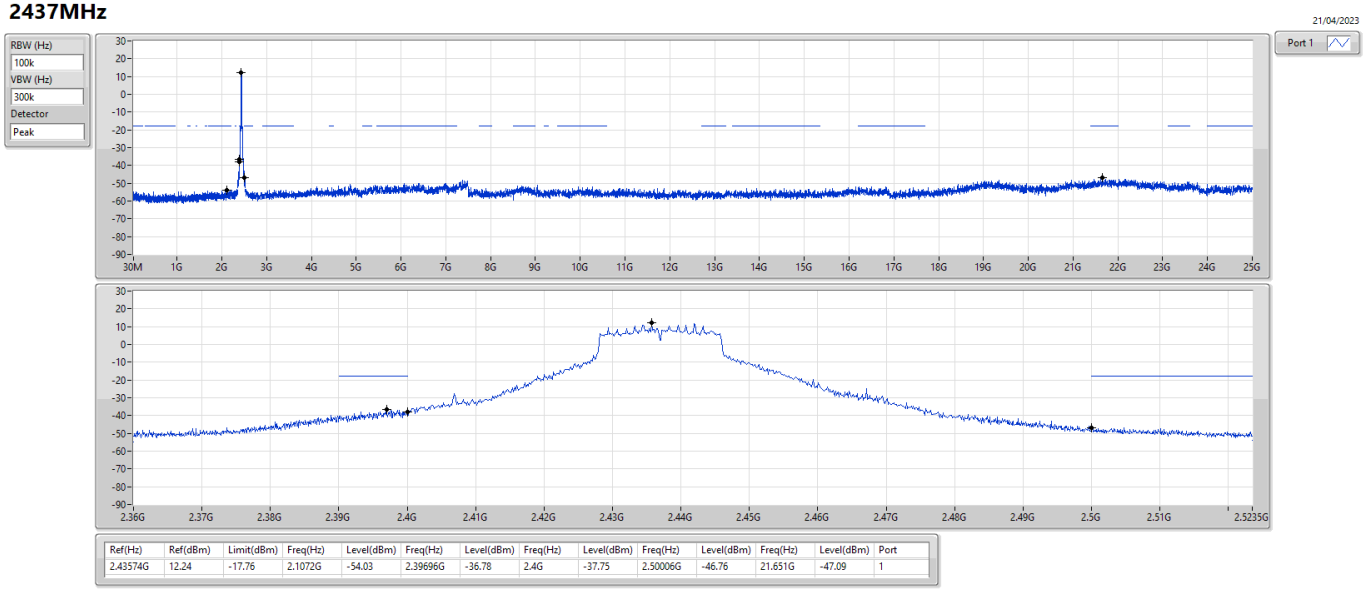
2412MHz



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	12.24	-17.76	2.30525G	-52.70	2.3996G	-19.03	2.4G	-18.33	2.5003G	-48.89	21.57233G	-47.32	1

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

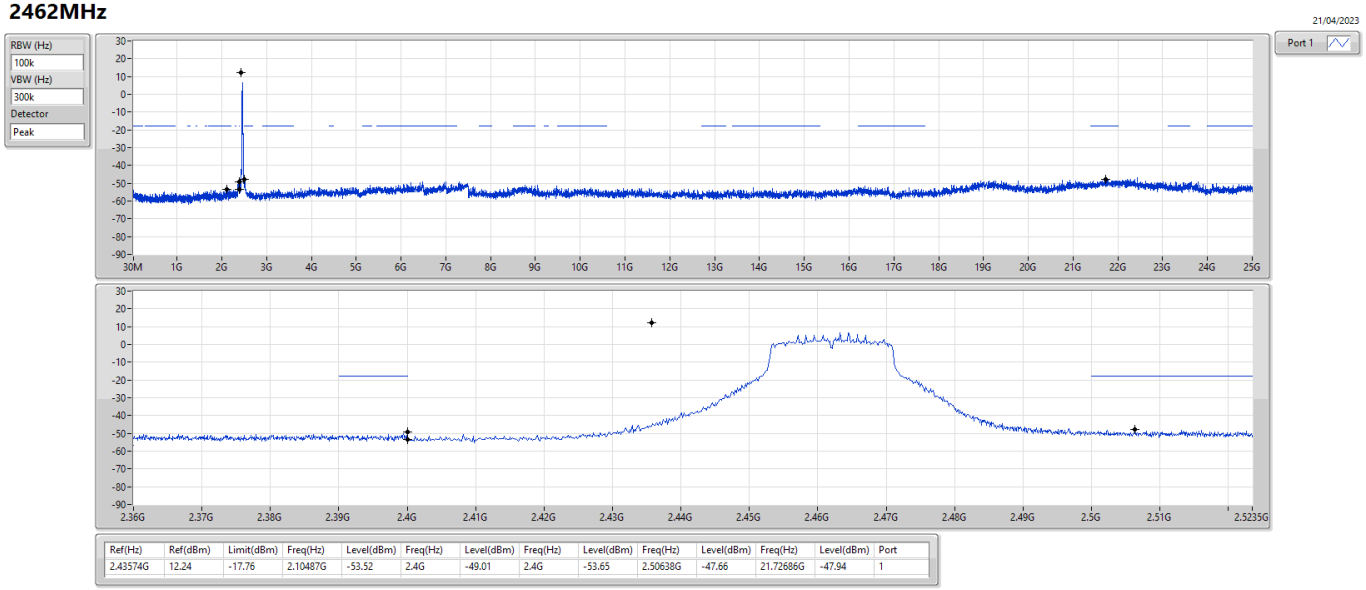
2437MHz



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	12.24	-17.76	2.1072G	-54.03	2.39696G	-36.78	2.4G	-37.75	2.50006G	-46.76	21.651G	-47.09	1

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

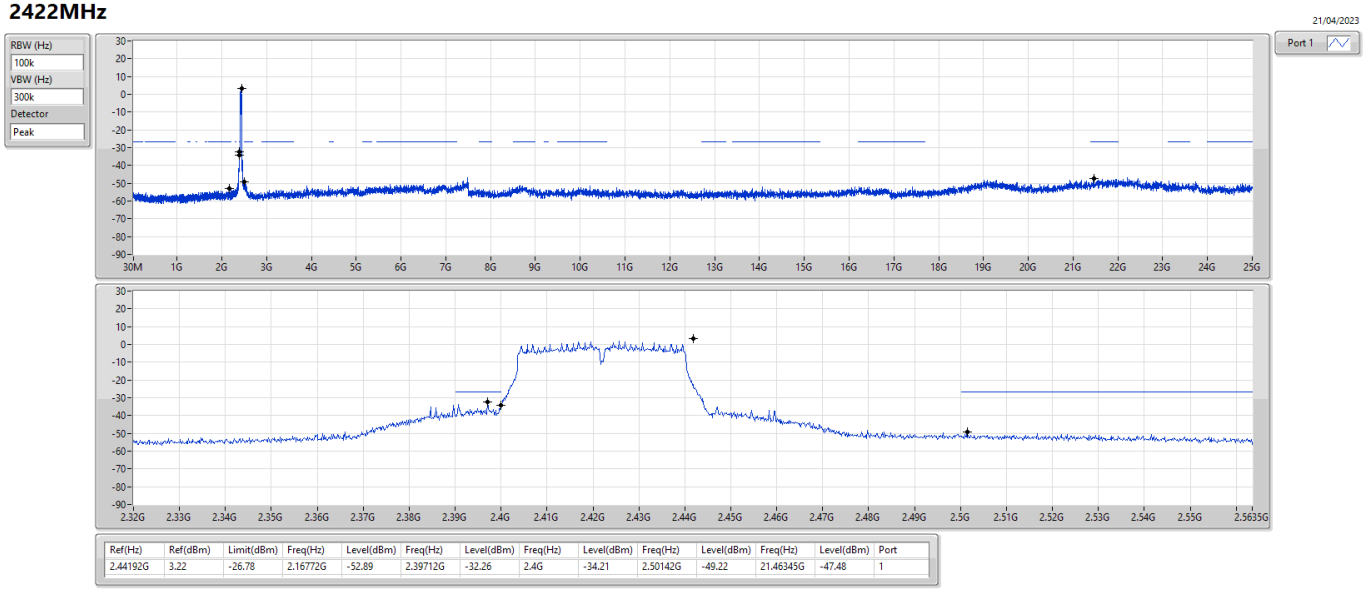
2462MHz



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	12.24	-17.76	2.10487G	-53.52	2.4G	-49.01	2.4G	-53.65	2.50638G	-47.66	21.72686G	-47.94	1

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

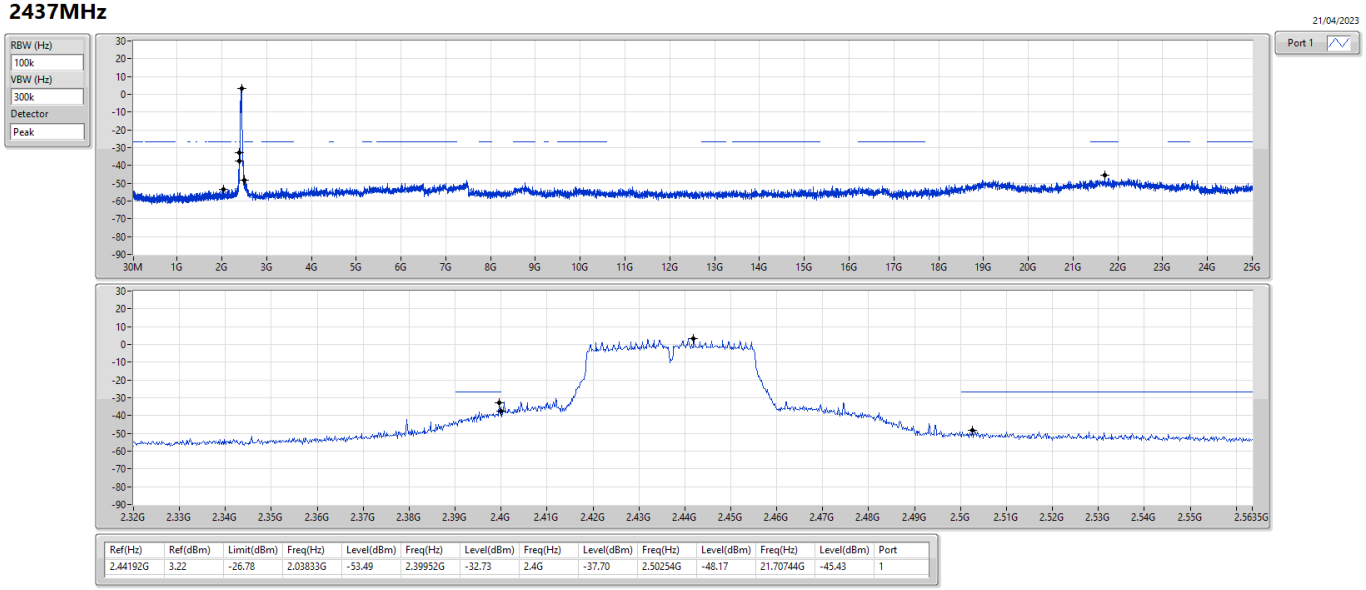
2422MHz



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
2.44192G	3.22	-26.78	2.16772G	-52.89	2.39712G	-32.26	2.4G	-34.21	2.50142G	-49.22	21.46345G	-47.48	1

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

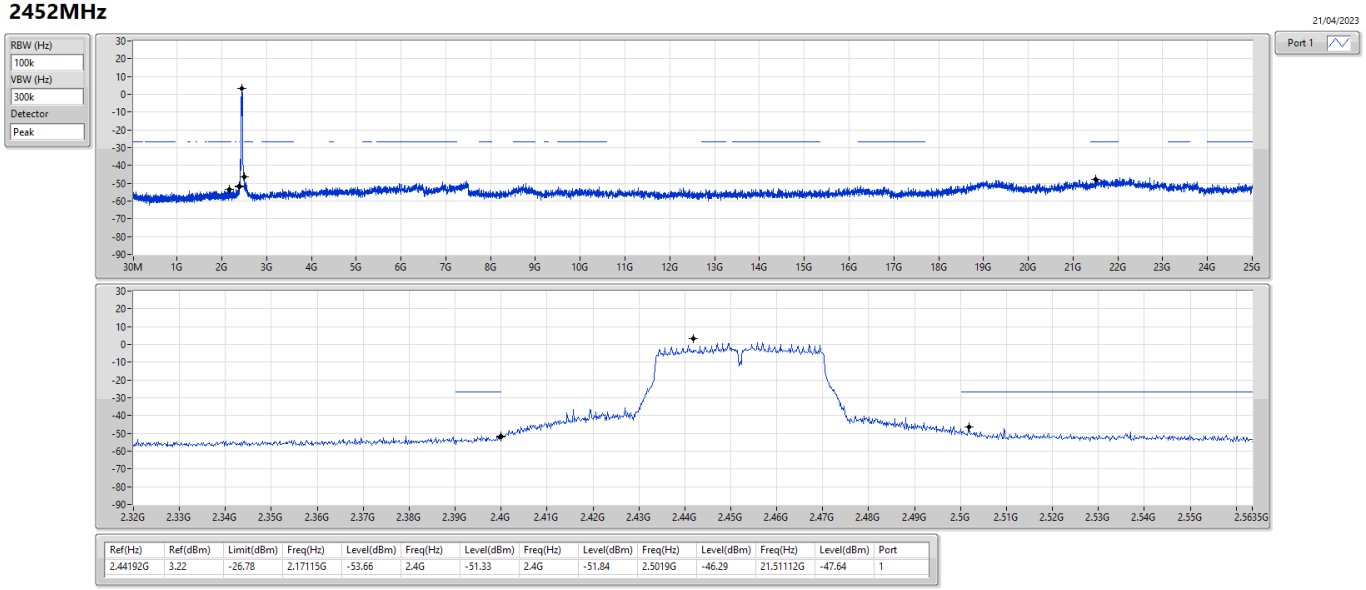
2437MHz



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
2.44192G	3.22	-26.78	2.03833G	-53.49	2.39952G	-32.73	2.4G	-37.70	2.50254G	-48.17	21.70744G	-45.43	1

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

2452MHz

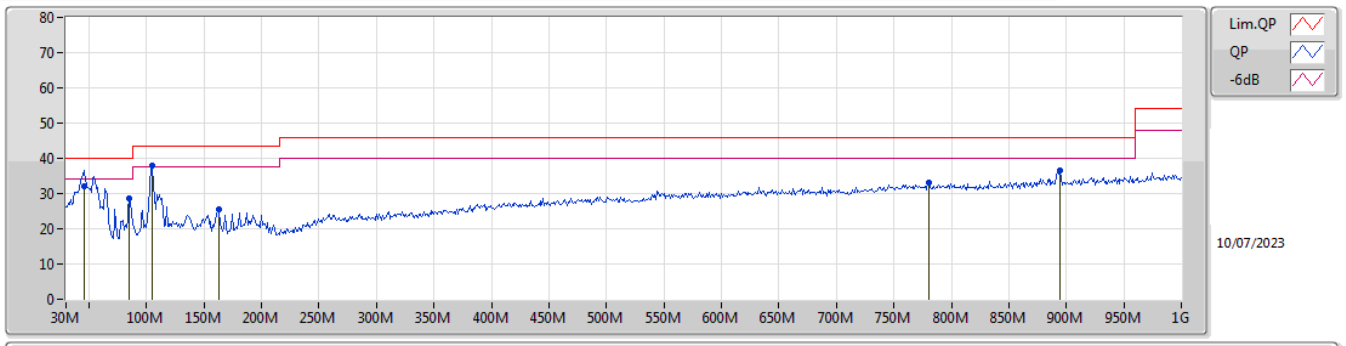


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44192G	3.22	-26.78	2.17115G	-53.66	2.4G	-51.33	2.4G	-51.84	2.5019G	-46.29	21.51112G	-47.64	1

Summary

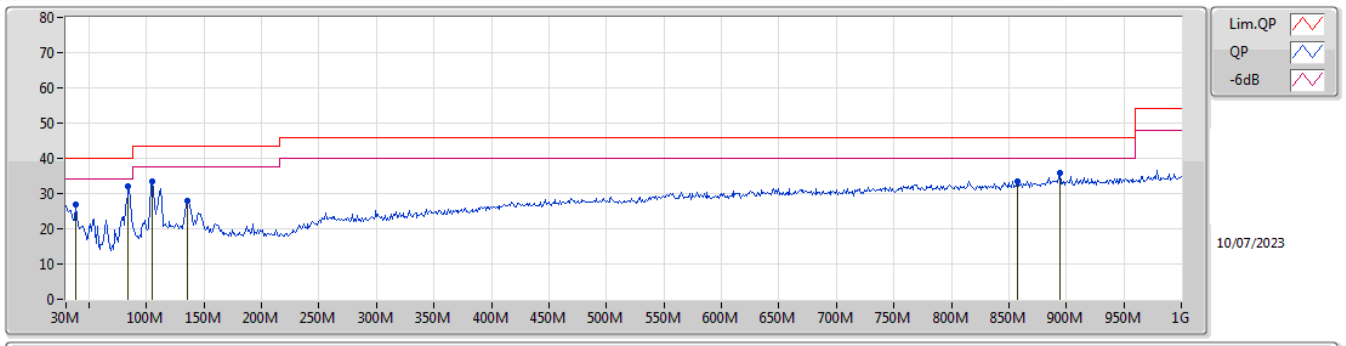
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 9	Pass	PK	104.69M	37.93	43.50	-5.57	Vertical

Mode 9



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
QP	45.52M	32.23	40.00	-7.77	-14.61	3	Vertical	2	1.00	-	46.84	15.99	1.22	31.82
PK	85.29M	28.52	40.00	-11.48	-16.43	3	Vertical	166	1.00	-	44.95	13.89	1.58	31.90
PK	104.69M	37.93	43.50	-5.57	-12.75	3	Vertical	202	1.25	"Worst"	50.68	17.45	1.75	31.95
PK	162.89M	25.49	43.50	-18.01	-14.01	3	Vertical	146	1.00	-	39.50	15.86	2.17	32.04
PK	780.78M	33.04	46.00	-12.96	-1.90	3	Vertical	5	1.00	-	34.94	25.60	5.13	32.63
PK	894.27M	36.53	46.00	-9.47	-0.46	3	Vertical	360	3.00	-	36.99	26.37	5.64	32.47

Mode 9



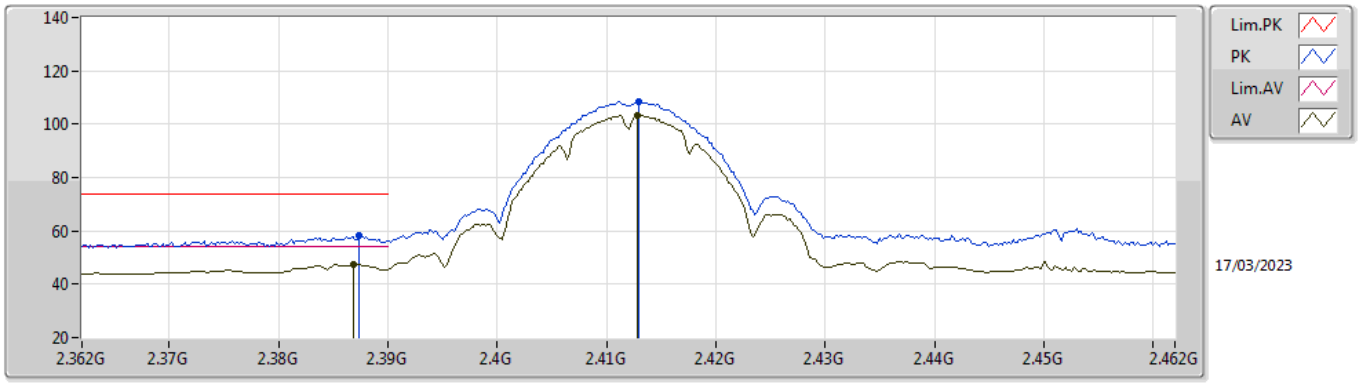
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	38.73M	26.90	40.00	-13.10	-11.18	3	Horizontal	325	1.00	-	38.08	19.45	1.13	31.76
PK	84.32M	32.16	40.00	-7.84	-16.62	3	Horizontal	320	1.00	"Worst"	48.78	13.70	1.58	31.90
PK	104.69M	33.30	43.50	-10.20	-12.75	3	Horizontal	356	1.50	-	46.05	17.45	1.75	31.95
PK	135.73M	27.87	43.50	-15.63	-12.42	3	Horizontal	241	1.50	-	40.29	17.57	1.98	31.97
PK	857.41M	33.61	46.00	-12.39	-1.14	3	Horizontal	265	2.00	-	34.75	26.02	5.44	32.60
PK	894.27M	35.74	46.00	-10.26	-0.46	3	Horizontal	285	1.50	-	36.20	26.37	5.64	32.47

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	-	-	-	-	-	-	-	-	-	-	-
VHT20_Nss1,(MCS0)_1TX	Pass	AV	7.30922G	53.92	54.00	-0.08	3	Horizontal	293	2.06	-

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

2412MHz_TX

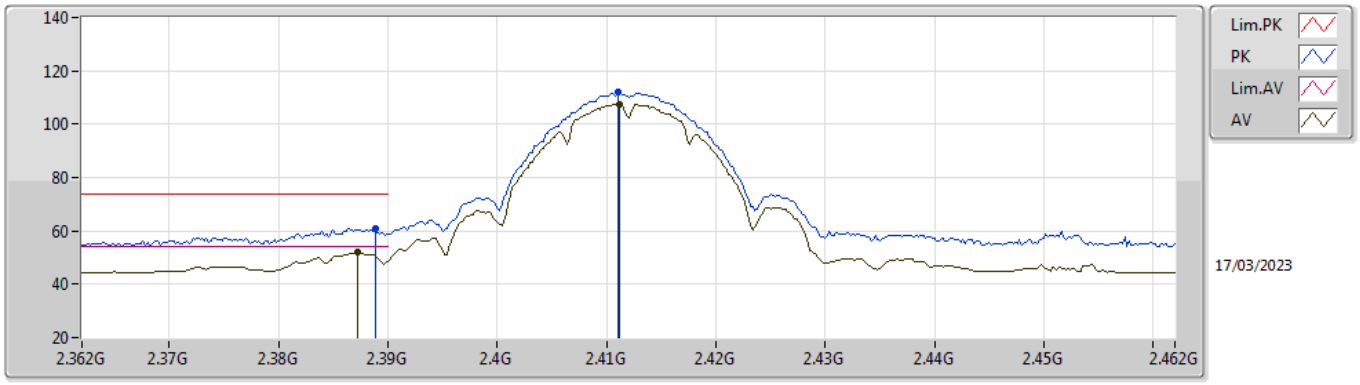


EUT X_1TX
Setting 21
02-F-G-5

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	2.3874G	58.08	74.00	-15.92	26.52	3	Vertical	3	1.28	-	28.37	3.19	-
AV	2.3868G	47.29	54.00	-6.71	15.73	3	Vertical	3	1.28	-	28.37	3.19	-
PK	2.413G	108.62	Inf	-Inf	77.01	3	Vertical	3	1.28	-	28.40	3.21	-
AV	2.4128G	103.27	Inf	-Inf	71.66	3	Vertical	3	1.28	-	28.40	3.21	-

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

2412MHz_TX

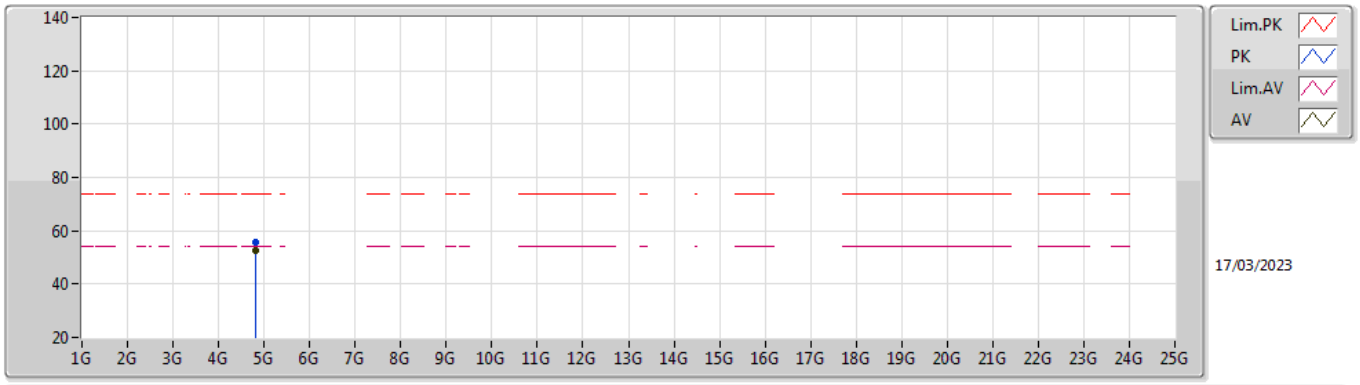


EUT X_1TX
Setting 21
02-F-G-5

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	2.3888G	60.65	74.00	-13.35	29.08	3	Horizontal	293	3.00	-	28.38	3.19	-
AV	2.3872G	51.88	54.00	-2.12	20.32	3	Horizontal	293	3.00	-	28.37	3.19	-
PK	2.411G	111.86	Inf	-Inf	80.25	3	Horizontal	293	3.00	-	28.40	3.21	-
AV	2.4112G	107.56	Inf	-Inf	75.95	3	Horizontal	293	3.00	-	28.40	3.21	-

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

2412MHz_TX

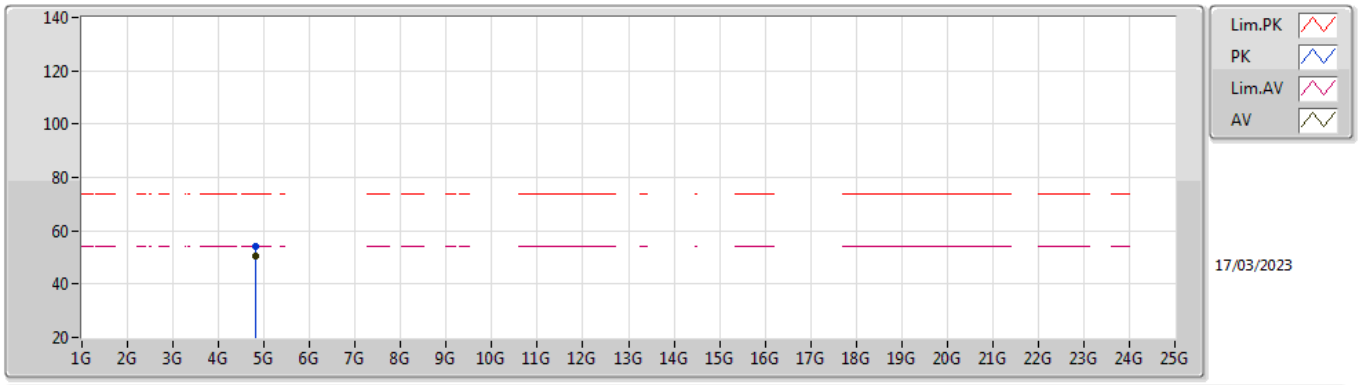


EUT Y_1TX
Setting 21
02-F-G-5

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	4.82397G	55.59	74.00	-18.41	47.84	3	Vertical	308	2.41	-	32.94	5.61	30.80
AV	4.82398G	52.61	54.00	-1.39	44.86	3	Vertical	308	2.41	-	32.94	5.61	30.80

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

2412MHz_TX

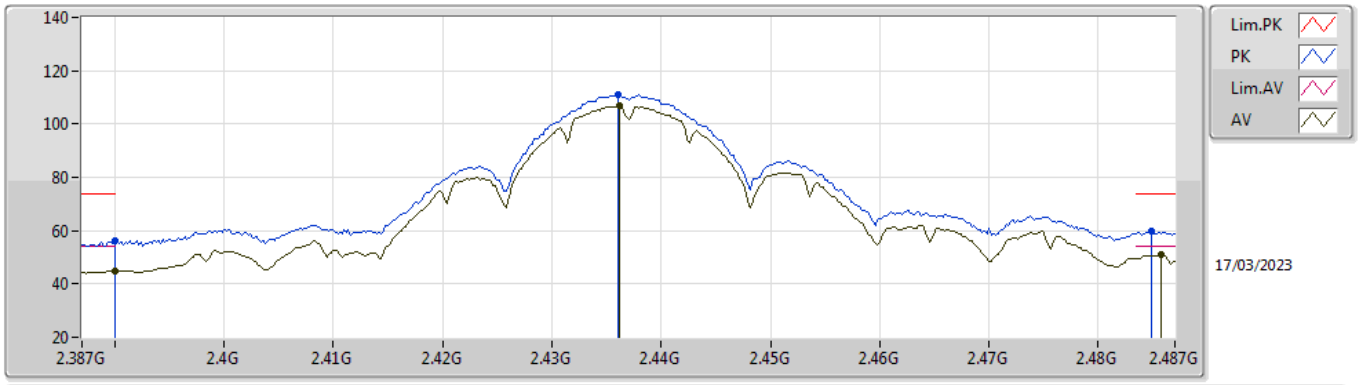


EUT Y_1TX
Setting 21
02-F-G-5

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	4.82402G	54.38	74.00	-19.62	46.63	3	Horizontal	332	2.48	-	32.94	5.61	30.80
AV	4.82401G	50.76	54.00	-3.24	43.01	3	Horizontal	332	2.48	-	32.94	5.61	30.80

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

2437MHz_TX

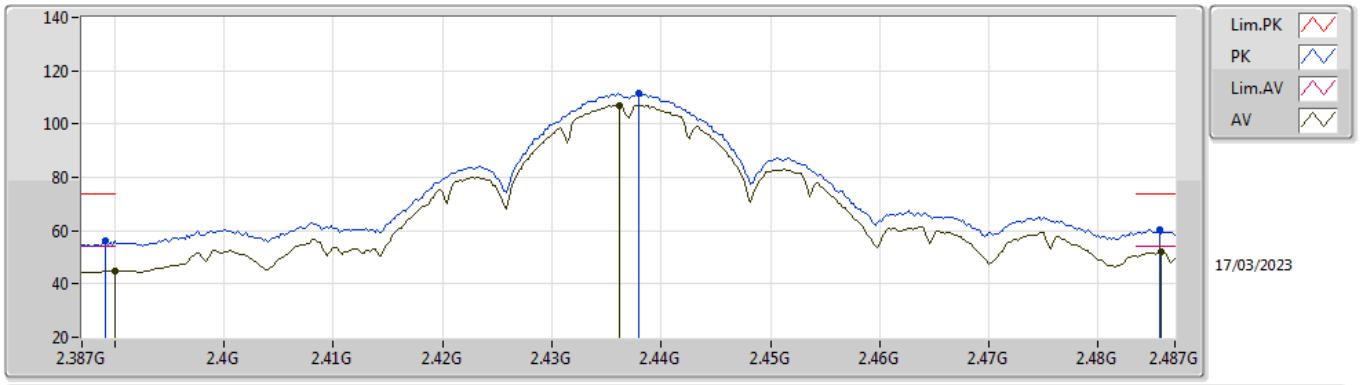


EUT X_1TX
Setting 24.5
02-F-G-5

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	56.26	74.00	-17.74	24.68	3	Vertical	14	1.10	-	28.38	3.20	-
AV	2.39G	44.67	54.00	-9.33	13.09	3	Vertical	14	1.10	-	28.38	3.20	-
PK	2.436G	111.08	Inf	-Inf	79.46	3	Vertical	14	1.10	-	28.40	3.22	-
AV	2.4362G	106.75	Inf	-Inf	75.13	3	Vertical	14	1.10	-	28.40	3.22	-
PK	2.4848G	59.60	74.00	-14.40	27.82	3	Vertical	14	1.10	-	28.54	3.24	-
AV	2.4858G	51.18	54.00	-2.82	19.40	3	Vertical	14	1.10	-	28.54	3.24	-

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

2437MHz_TX

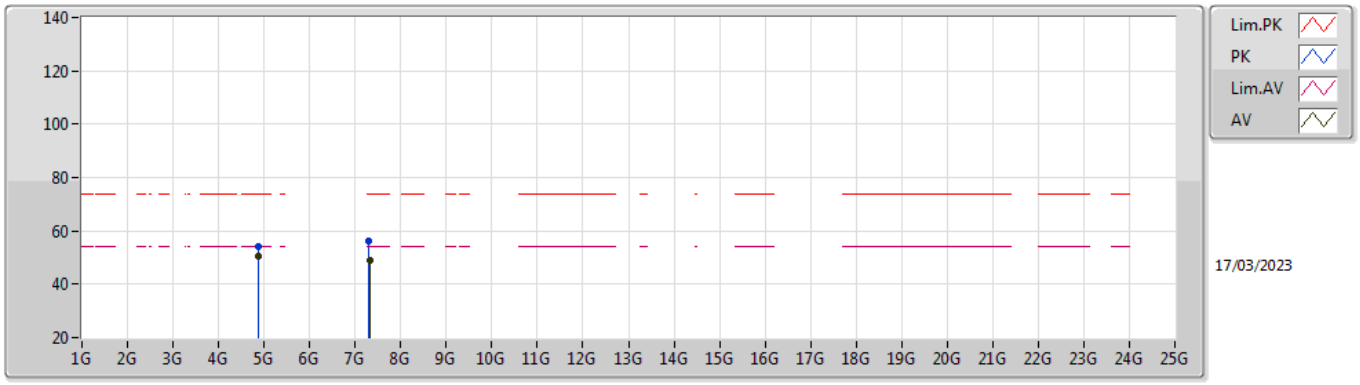


EUT X_1TX
Setting 24.5
02-F-G-5

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	56.23	74.00	-17.77	24.66	3	Horizontal	248	1.13	-	28.38	3.19	-
AV	2.39G	44.85	54.00	-9.15	13.27	3	Horizontal	248	1.13	-	28.38	3.20	-
PK	2.438G	111.44	Inf	-Inf	79.82	3	Horizontal	248	1.13	-	28.40	3.22	-
AV	2.4362G	107.12	Inf	-Inf	75.50	3	Horizontal	248	1.13	-	28.40	3.22	-
PK	2.4856G	60.36	74.00	-13.64	28.58	3	Horizontal	248	1.13	-	28.54	3.24	-
AV	2.4858G	52.27	54.00	-1.73	20.49	3	Horizontal	248	1.13	-	28.54	3.24	-

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

2437MHz_TX

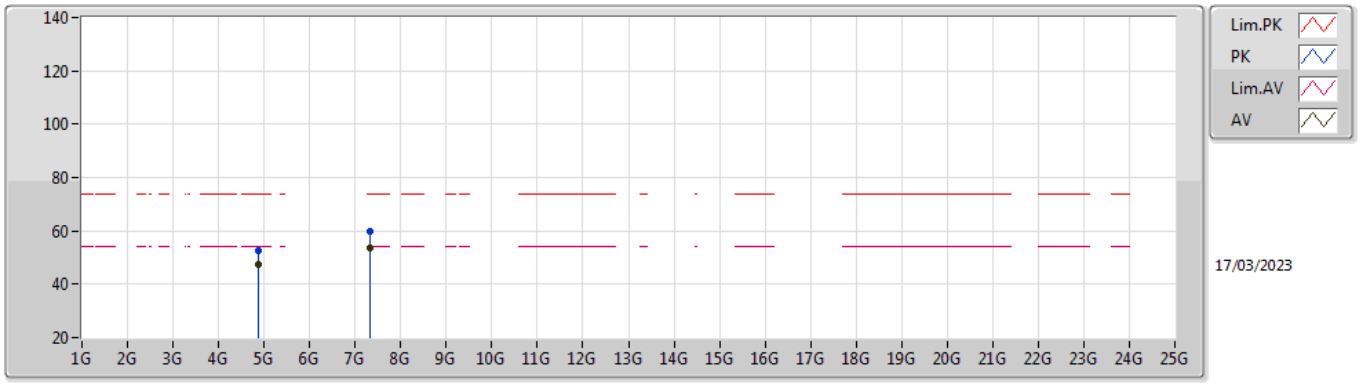


EUT Y_1TX
Setting 18.5
02-F-G-5

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	4.8739G	54.33	74.00	-19.67	46.32	3	Vertical	312	1.94	-	33.15	5.64	30.78
AV	4.87395G	50.32	54.00	-3.68	42.31	3	Vertical	312	1.94	-	33.15	5.64	30.78
PK	7.30943G	56.16	74.00	-17.84	44.81	3	Vertical	276	1.98	-	36.42	6.85	31.92
AV	7.31174G	49.09	54.00	-4.91	37.75	3	Vertical	276	1.98	-	36.42	6.84	31.92

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

2437MHz_TX

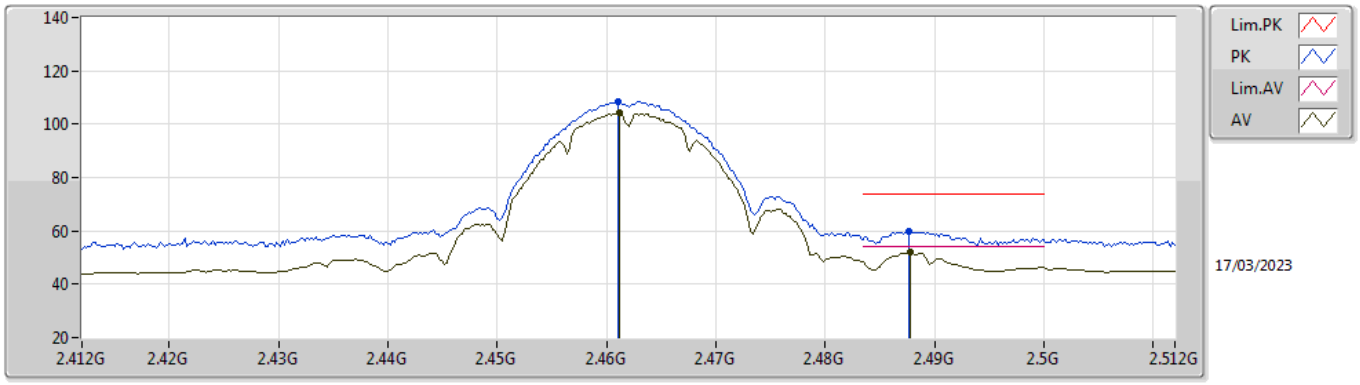


EUT Y_1TX
Setting 18.5
02-F-G-5

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	4.87408G	52.80	74.00	-21.20	44.79	3	Horizontal	331	2.45	-	33.15	5.64	30.78
AV	4.87395G	47.62	54.00	-6.38	39.61	3	Horizontal	331	2.45	-	33.15	5.64	30.78
PK	7.3118G	59.58	74.00	-14.42	48.24	3	Horizontal	294	1.95	-	36.42	6.84	31.92
AV	7.31174G	53.64	54.00	-0.36	42.30	3	Horizontal	294	1.95	-	36.42	6.84	31.92

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

2462MHz_TX

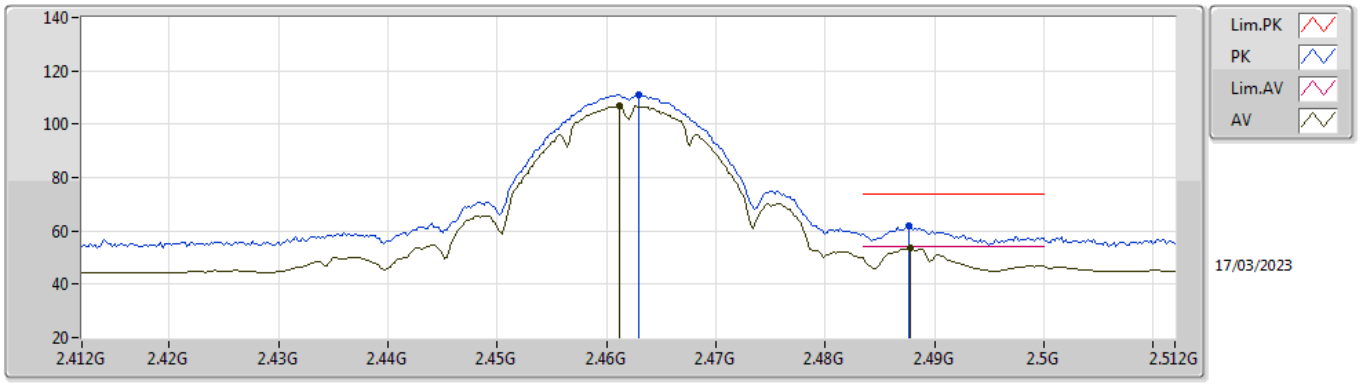


EUT X_1TX
Setting 20
02-F-G-5

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	108.36	Inf	-Inf	76.69	3	Vertical	1	1.08	-	28.44	3.23	-
AV	2.4612G	104.12	Inf	-Inf	72.45	3	Vertical	1	1.08	-	28.44	3.23	-
PK	2.4876G	59.91	74.00	-14.09	28.12	3	Vertical	1	1.08	-	28.55	3.24	-
AV	2.4878G	52.02	54.00	-1.98	20.23	3	Vertical	1	1.08	-	28.55	3.24	-

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

2462MHz_TX

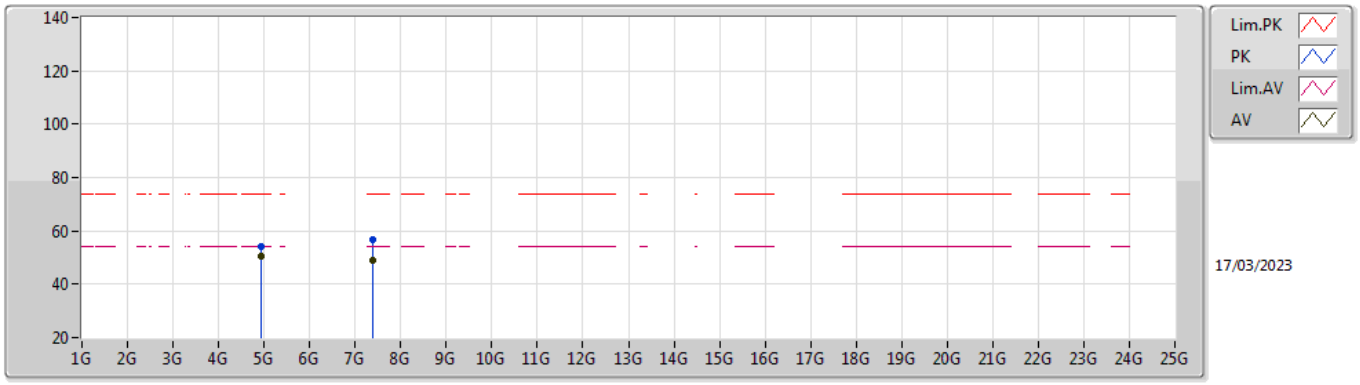


EUT X_1TX
Setting 20
02-F-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.463G	111.05	Inf	-Inf	79.37	3	Horizontal	282	1.88	-	28.45	3.23	-
AV	2.4612G	106.81	Inf	-Inf	75.14	3	Horizontal	282	1.88	-	28.44	3.23	-
PK	2.4876G	61.65	74.00	-12.35	29.86	3	Horizontal	282	1.88	-	28.55	3.24	-
AV	2.4878G	53.58	54.00	-0.42	21.79	3	Horizontal	282	1.88	-	28.55	3.24	-

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

2462MHz_TX

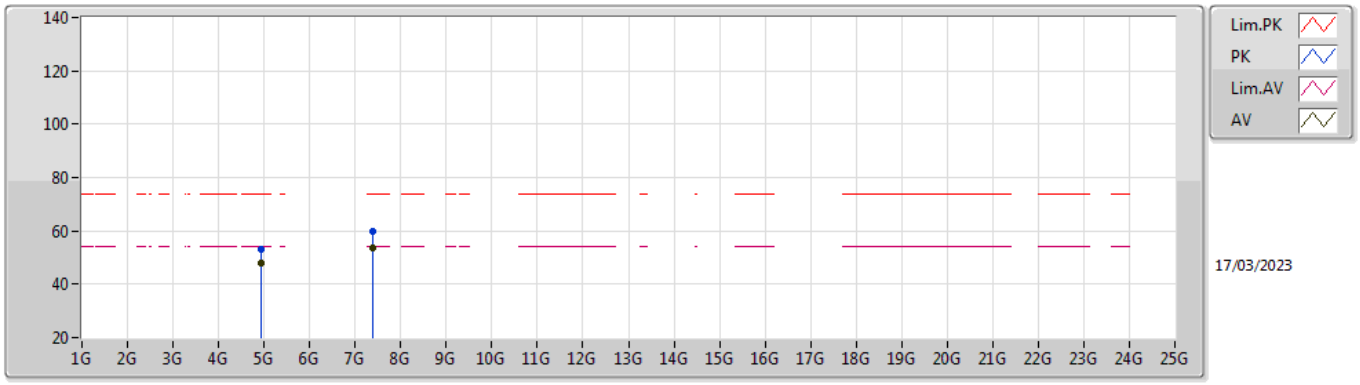


EUT Y_1TX
Setting 18.5
02-F-G-5

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	4.92397G	54.00	74.00	-20.00	45.85	3	Vertical	312	2.10	-	33.25	5.66	30.76
AV	4.924G	50.49	54.00	-3.51	42.34	3	Vertical	312	2.10	-	33.25	5.66	30.76
PK	7.38507G	56.52	74.00	-17.48	45.17	3	Vertical	268	1.01	-	36.50	6.81	31.96
AV	7.38672G	48.79	54.00	-5.21	37.44	3	Vertical	268	1.01	-	36.50	6.81	31.96

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

2462MHz_TX

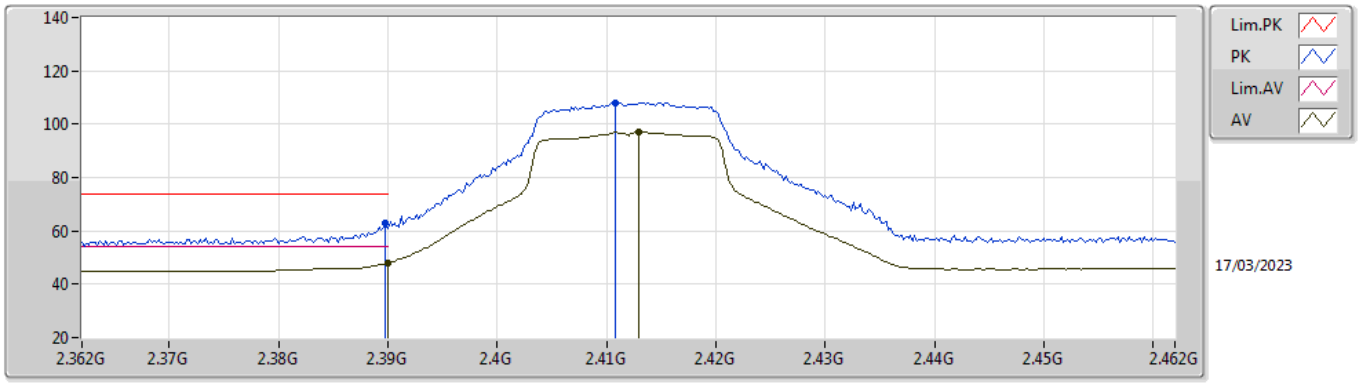


EUT Y_1TX
Setting 18.5
02-F-G-5

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	4.9239G	52.96	74.00	-21.04	44.81	3	Horizontal	256	3.00	-	33.25	5.66	30.76
AV	4.92397G	48.17	54.00	-5.83	40.02	3	Horizontal	256	3.00	-	33.25	5.66	30.76
PK	7.38698G	59.92	74.00	-14.08	48.57	3	Horizontal	292	1.99	-	36.50	6.81	31.96
AV	7.38523G	53.61	54.00	-0.39	42.26	3	Horizontal	292	1.99	-	36.50	6.81	31.96

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

2412MHz_TX

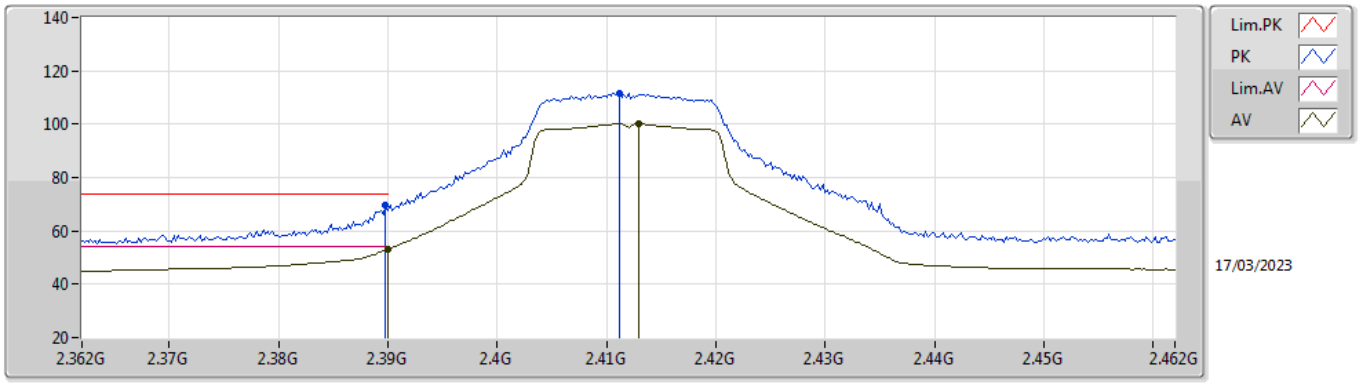


EUT X_1TX
Setting 19.5
02-F-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	63.04	74.00	-10.96	31.47	3	Vertical	360	1.61	-	28.38	3.19	-
AV	2.39G	48.07	54.00	-5.93	16.49	3	Vertical	360	1.61	-	28.38	3.20	-
PK	2.4108G	108.07	Inf	-Inf	76.46	3	Vertical	360	1.61	-	28.40	3.21	-
AV	2.413G	97.05	Inf	-Inf	65.44	3	Vertical	360	1.61	-	28.40	3.21	-

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

2412MHz_TX

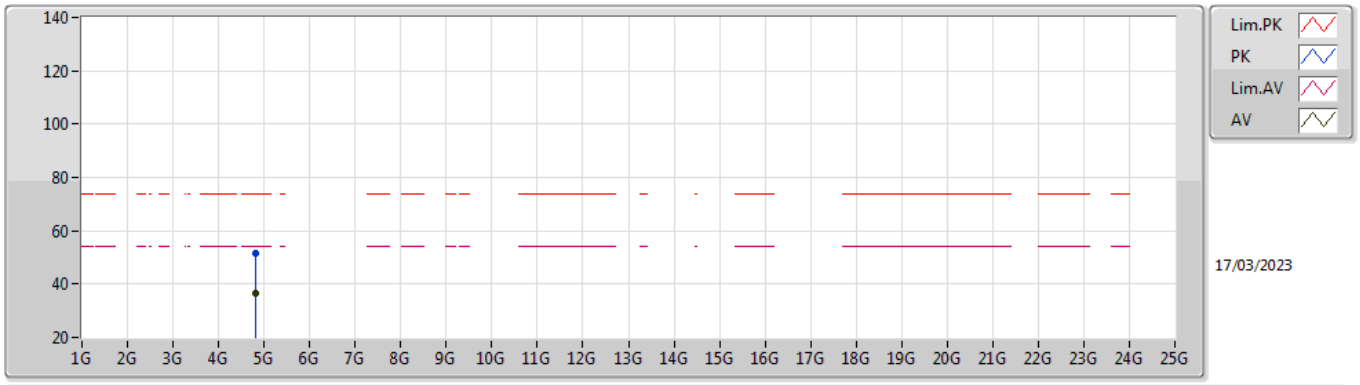


EUT X_1TX
Setting 19.5
02-F-G-5

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	69.46	74.00	-4.54	37.89	3	Horizontal	306	3.00	-	28.38	3.19	-
AV	2.39G	53.01	54.00	-0.99	21.43	3	Horizontal	306	3.00	-	28.38	3.20	-
PK	2.4112G	111.37	Inf	-Inf	79.76	3	Horizontal	306	3.00	-	28.40	3.21	-
AV	2.413G	100.11	Inf	-Inf	68.50	3	Horizontal	306	3.00	-	28.40	3.21	-

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

2412MHz_TX

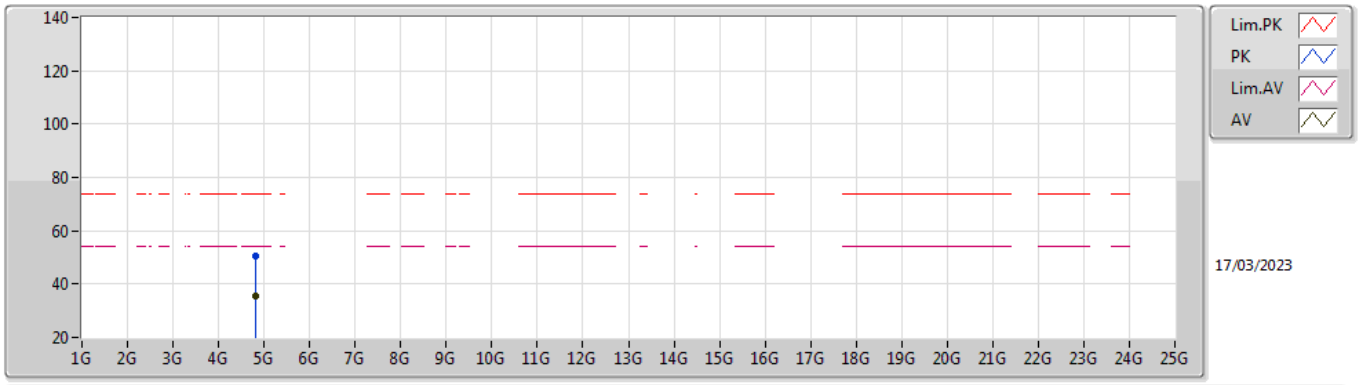


EUT Y_1TX
Setting 19.5
02-F-G-5

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	4.82008G	51.49	74.00	-22.51	43.77	3	Vertical	298	1.78	-	32.92	5.61	30.81
AV	4.82372G	36.54	54.00	-17.46	28.79	3	Vertical	298	1.78	-	32.94	5.61	30.80

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

2412MHz_TX

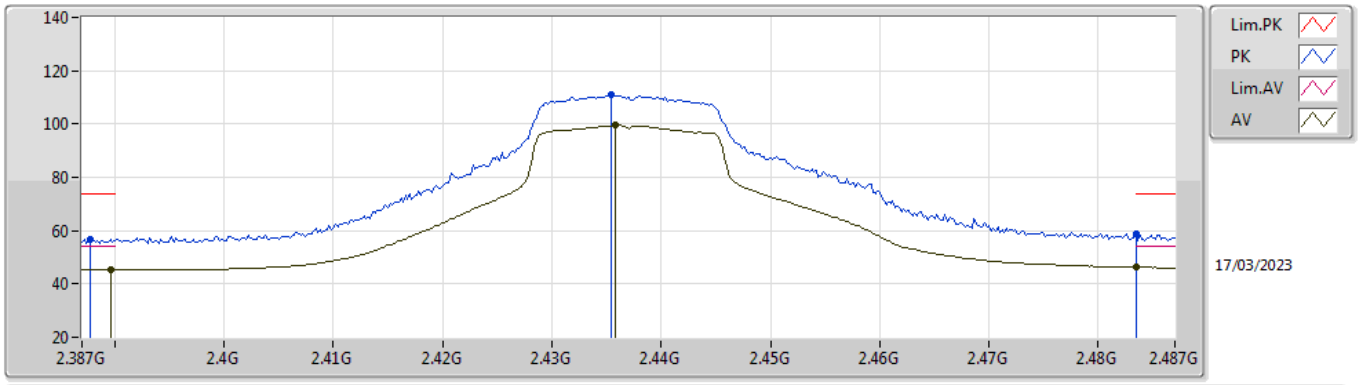


EUT Y_1TX
Setting 19.5
02-F-G-5

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	4.82534G	50.31	74.00	-23.69	42.55	3	Horizontal	330	2.44	-	32.95	5.61	30.80
AV	4.82278G	35.65	54.00	-18.35	27.90	3	Horizontal	330	2.44	-	32.94	5.61	30.80

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

2437MHz_TX

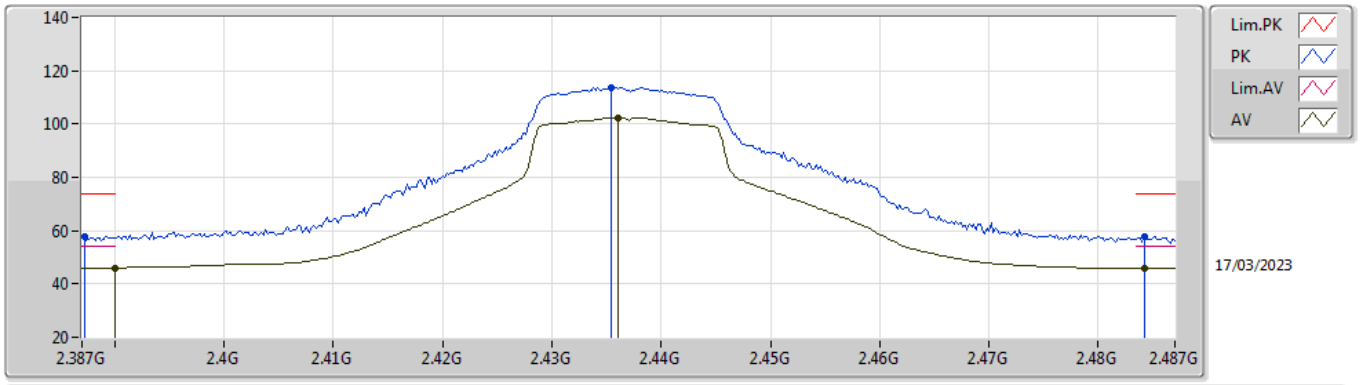


EUT X_1TX
Setting 21
02-F-G-5

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	56.88	74.00	-17.12	25.31	3	Vertical	15	1.12	-	28.38	3.19	-
AV	2.3896G	45.23	54.00	-8.77	13.66	3	Vertical	15	1.12	-	28.38	3.19	-
PK	2.4354G	111.23	Inf	-Inf	79.61	3	Vertical	15	1.12	-	28.40	3.22	-
AV	2.4358G	99.55	Inf	-Inf	67.93	3	Vertical	15	1.12	-	28.40	3.22	-
PK	2.4835G	58.67	74.00	-15.33	26.90	3	Vertical	15	1.12	-	28.53	3.24	-
AV	2.4835G	46.20	54.00	-7.80	14.43	3	Vertical	15	1.12	-	28.53	3.24	-

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

2437MHz_TX

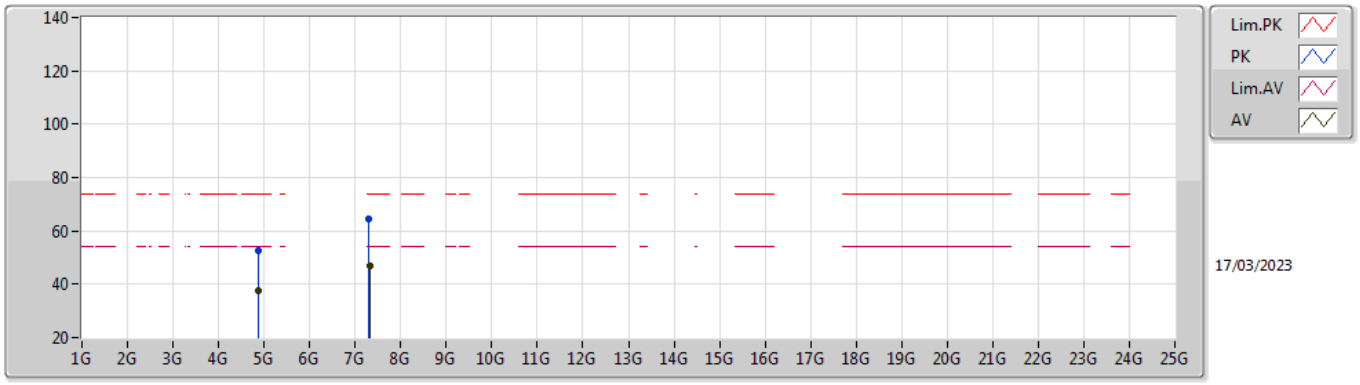


EUT X_1TX
Setting 21
02-F-G-5

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	2.3872G	57.83	74.00	-16.17	26.27	3	Horizontal	292	2.94	-	28.37	3.19	-
AV	2.39G	46.06	54.00	-7.94	14.48	3	Horizontal	292	2.94	-	28.38	3.20	-
PK	2.4354G	113.65	Inf	-Inf	82.03	3	Horizontal	292	2.94	-	28.40	3.22	-
AV	2.436G	102.42	Inf	-Inf	70.80	3	Horizontal	292	2.94	-	28.40	3.22	-
PK	2.4842G	57.75	74.00	-16.25	25.97	3	Horizontal	292	2.94	-	28.54	3.24	-
AV	2.4842G	45.87	54.00	-8.13	14.09	3	Horizontal	292	2.94	-	28.54	3.24	-

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

2437MHz_TX

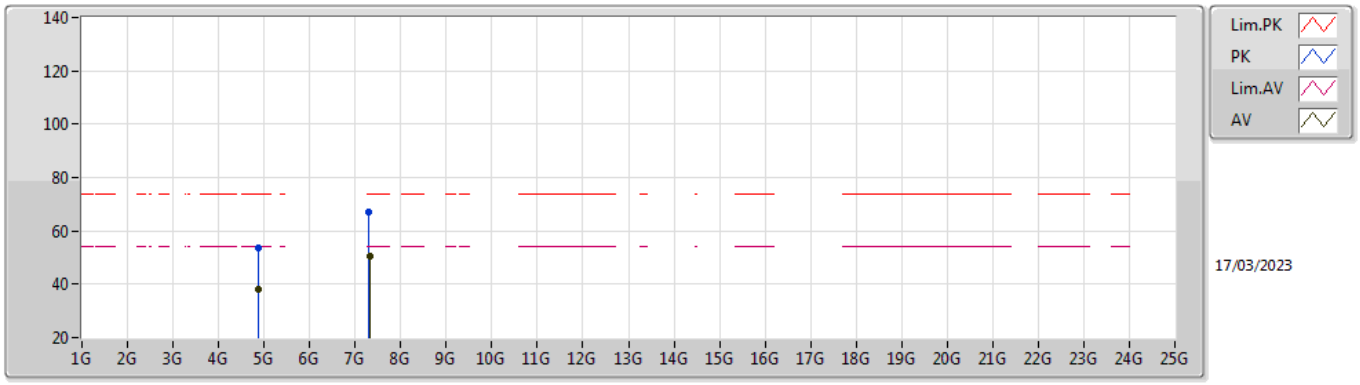


EUT Y_1TX
Setting 21
02-F-G-5

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	4.87318G	52.42	74.00	-21.58	44.41	3	Vertical	306	2.24	-	33.15	5.64	30.78
AV	4.87322G	37.65	54.00	-16.35	29.64	3	Vertical	306	2.24	-	33.15	5.64	30.78
PK	7.30752G	64.72	74.00	-9.28	53.37	3	Vertical	276	1.97	-	36.42	6.85	31.92
AV	7.31484G	46.85	54.00	-7.15	35.50	3	Vertical	276	1.97	-	36.43	6.84	31.92

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

2437MHz_TX

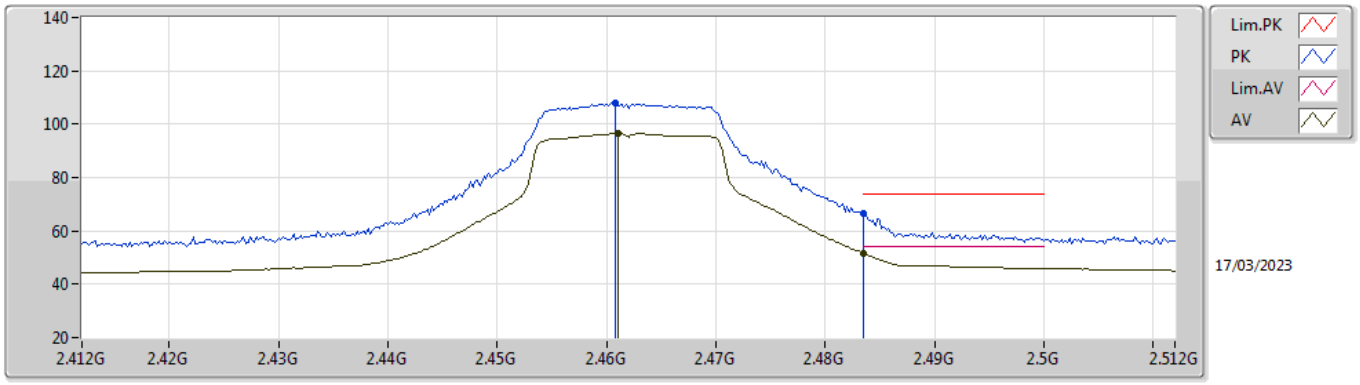


EUT Y_1TX
Setting 21
02-F-G-5

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	4.87086G	53.52	74.00	-20.48	45.52	3	Horizontal	330	2.43	-	33.14	5.64	30.78
AV	4.87278G	38.22	54.00	-15.78	30.21	3	Horizontal	330	2.43	-	33.15	5.64	30.78
PK	7.3068G	67.06	74.00	-6.94	55.72	3	Horizontal	286	2.02	-	36.41	6.85	31.92
AV	7.31462G	50.28	54.00	-3.72	38.93	3	Horizontal	286	2.02	-	36.43	6.84	31.92

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

2462MHz_TX

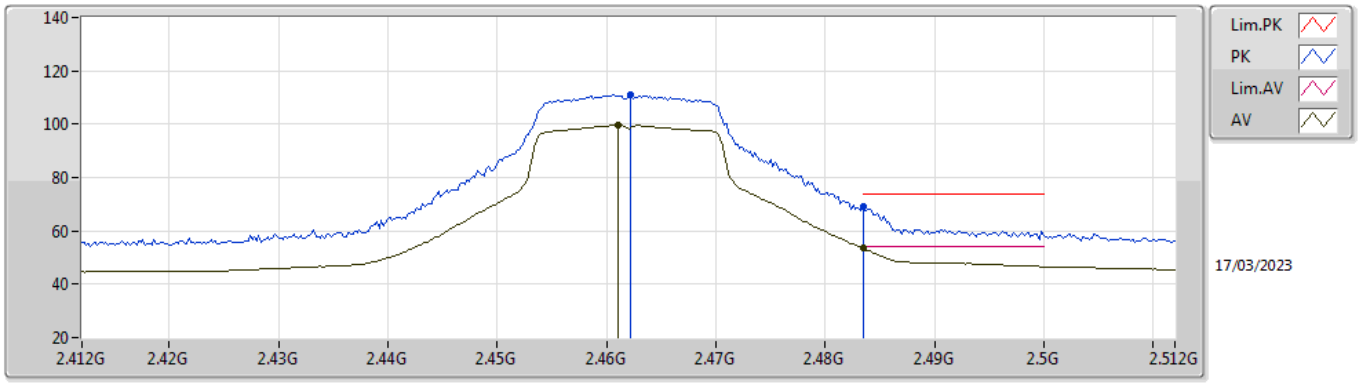


EUT X_1TX
Setting 18
02-F-G-5

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	108.15	Inf	-Inf	76.48	3	Vertical	6	1.08	-	28.44	3.23	-
AV	2.461G	96.50	Inf	-Inf	64.83	3	Vertical	6	1.08	-	28.44	3.23	-
PK	2.4835G	66.49	74.00	-7.51	34.72	3	Vertical	6	1.08	-	28.53	3.24	-
AV	2.4835G	51.65	54.00	-2.35	19.88	3	Vertical	6	1.08	-	28.53	3.24	-

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

2462MHz_TX

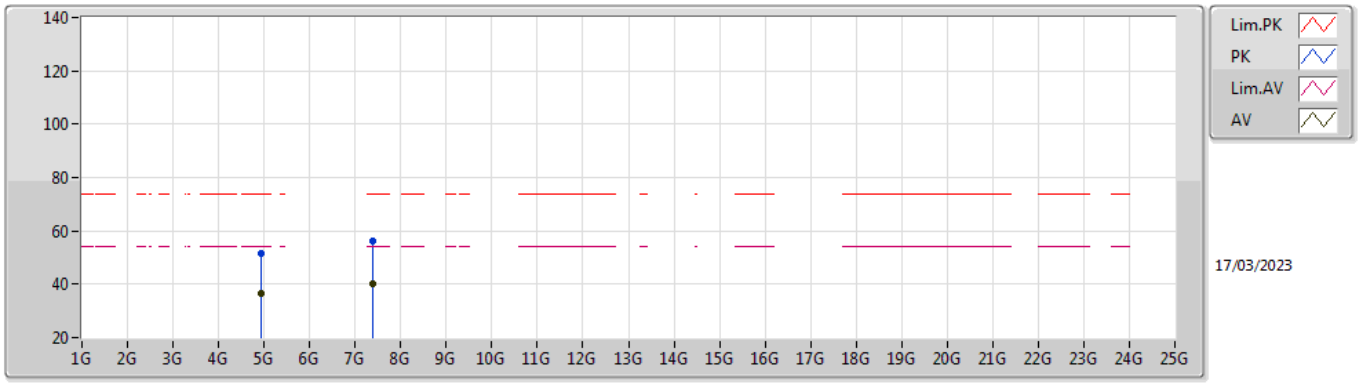


EUT X_1TX
Setting 18
02-F-G-5

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	2.4622G	111.24	Inf	-Inf	79.56	3	Horizontal	282	1.88	-	28.45	3.23	-
AV	2.461G	99.62	Inf	-Inf	67.95	3	Horizontal	282	1.88	-	28.44	3.23	-
PK	2.4835G	68.96	74.00	-5.04	37.19	3	Horizontal	282	1.88	-	28.53	3.24	-
AV	2.4835G	53.40	54.00	-0.60	21.63	3	Horizontal	282	1.88	-	28.53	3.24	-

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

2462MHz_TX

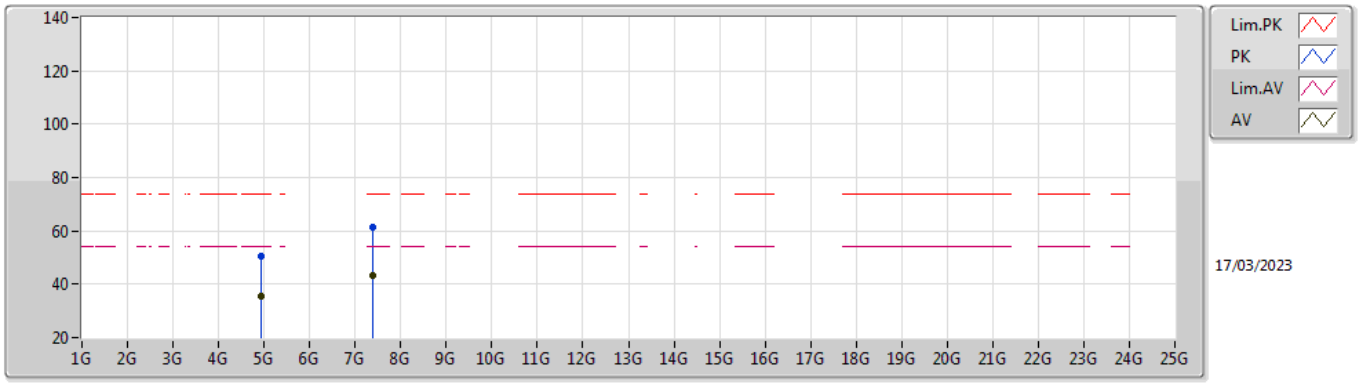


EUT Y_1TX
Setting 18
02-F-G-5

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	4.92272G	51.36	74.00	-22.64	43.21	3	Vertical	302	1.89	-	33.25	5.66	30.76
AV	4.92332G	36.34	54.00	-17.66	28.19	3	Vertical	302	1.89	-	33.25	5.66	30.76
PK	7.38222G	56.42	74.00	-17.58	45.07	3	Vertical	267	1.00	-	36.50	6.81	31.96
AV	7.38582G	40.15	54.00	-13.85	28.80	3	Vertical	267	1.00	-	36.50	6.81	31.96

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

2462MHz_TX

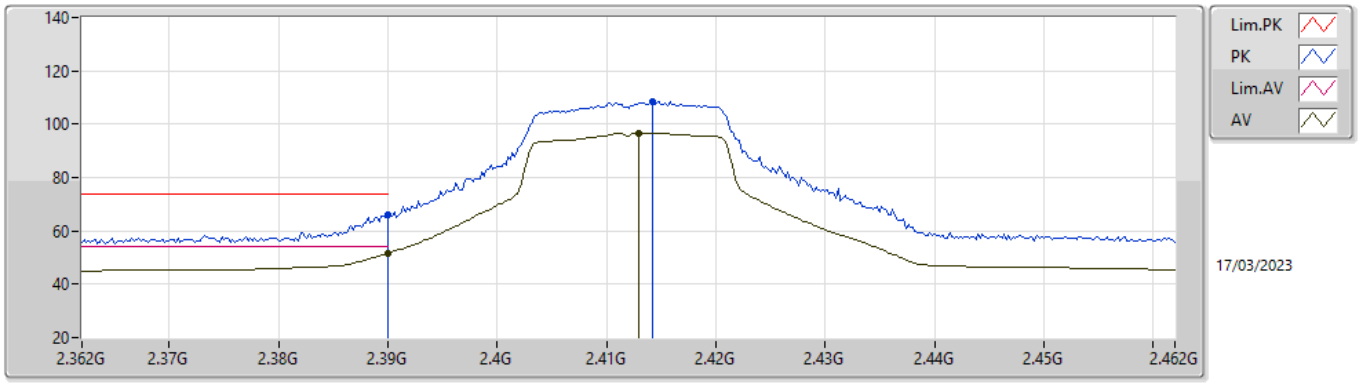


EUT Y_1TX
Setting 18
02-F-G-5

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	4.92504G	50.47	74.00	-23.53	42.32	3	Horizontal	258	2.86	-	33.25	5.66	30.76
AV	4.92414G	35.26	54.00	-18.74	27.11	3	Horizontal	258	2.86	-	33.25	5.66	30.76
PK	7.38204G	61.19	74.00	-12.81	49.84	3	Horizontal	286	1.98	-	36.50	6.81	31.96
AV	7.38596G	43.29	54.00	-10.71	31.94	3	Horizontal	286	1.98	-	36.50	6.81	31.96

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2412MHz_TX

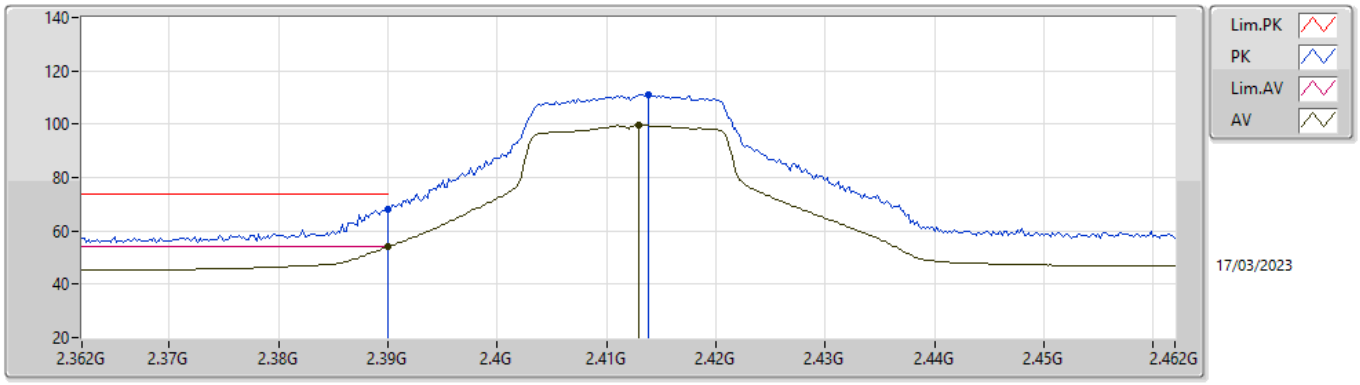


EUT X_1TX
Setting 20
02-F-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	65.89	74.00	-8.11	34.31	3	Vertical	3	1.55	-	28.38	3.20	-
AV	2.39G	51.66	54.00	-2.34	20.08	3	Vertical	3	1.55	-	28.38	3.20	-
PK	2.4142G	108.35	Inf	-Inf	76.74	3	Vertical	3	1.55	-	28.40	3.21	-
AV	2.413G	96.79	Inf	-Inf	65.18	3	Vertical	3	1.55	-	28.40	3.21	-

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2412MHz_TX

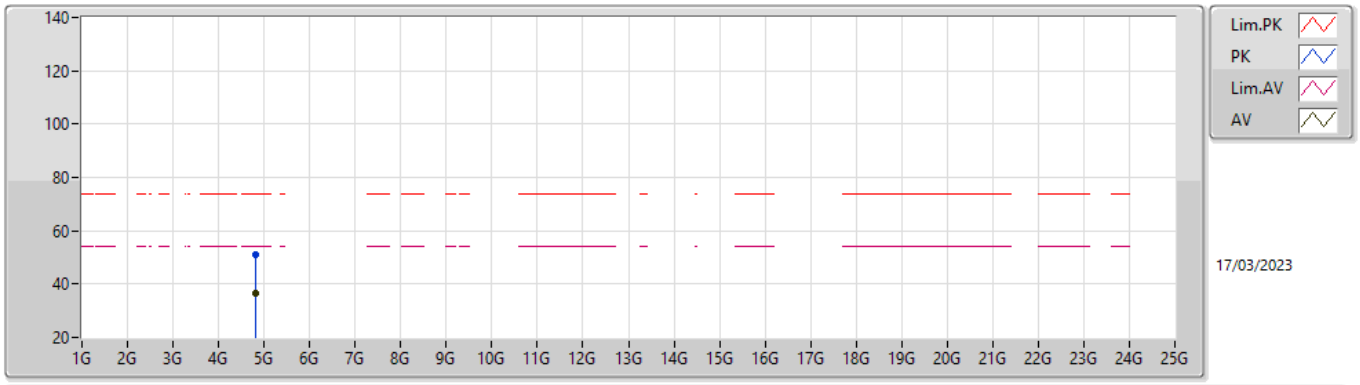


EUT X_1TX
Setting 20
02-F-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	67.99	74.00	-6.01	36.41	3	Horizontal	268	1.13	-	28.38	3.20	-
AV	2.39G	53.90	54.00	-0.10	22.32	3	Horizontal	268	1.13	-	28.38	3.20	-
PK	2.4138G	111.17	Inf	-Inf	79.56	3	Horizontal	268	1.13	-	28.40	3.21	-
AV	2.413G	99.68	Inf	-Inf	68.07	3	Horizontal	268	1.13	-	28.40	3.21	-

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2412MHz_TX

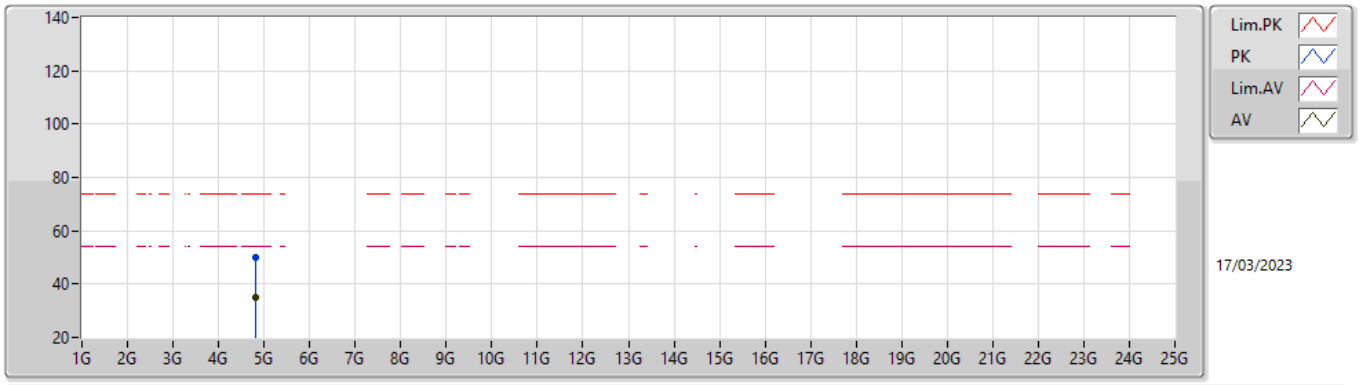


EUT Y_1TX
Setting 20
02-F-G-5

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	4.8232G	51.19	74.00	-22.81	43.44	3	Vertical	303	2.29	-	32.94	5.61	30.80
AV	4.8227G	36.35	54.00	-17.65	28.60	3	Vertical	303	2.29	-	32.94	5.61	30.80

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2412MHz_TX

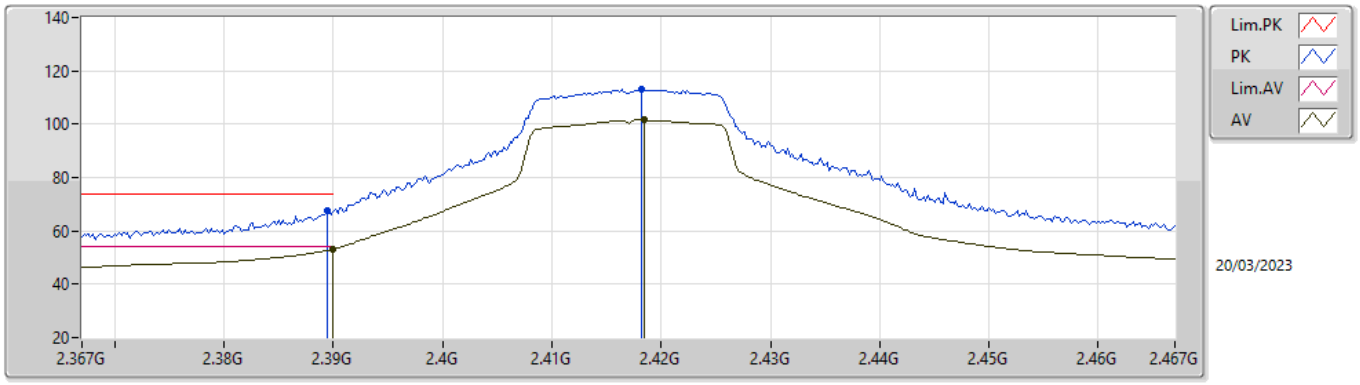


EUT Y_1TX
Setting 20
02-F-G-5

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	4.8242G	50.12	74.00	-23.88	42.36	3	Horizontal	319	2.18	-	32.95	5.61	30.80
AV	4.82548G	35.23	54.00	-18.77	27.47	3	Horizontal	319	2.18	-	32.95	5.61	30.80

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2417MHz_TX

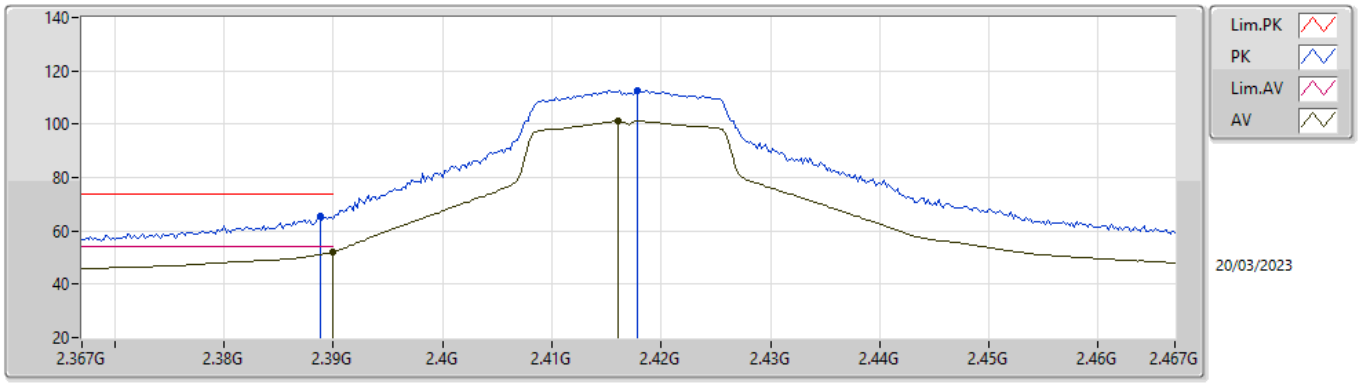


EUT X_1TX
Setting 22
02-F-G-5

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	67.56	74.00	-6.44	35.99	3	Vertical	10	1.05	-	28.38	3.19	-
AV	2.39G	53.01	54.00	-0.99	21.43	3	Vertical	10	1.05	-	28.38	3.20	-
PK	2.4182G	113.23	Inf	-Inf	81.62	3	Vertical	10	1.05	-	28.40	3.21	-
AV	2.4184G	101.65	Inf	-Inf	70.04	3	Vertical	10	1.05	-	28.40	3.21	-

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2417MHz_TX

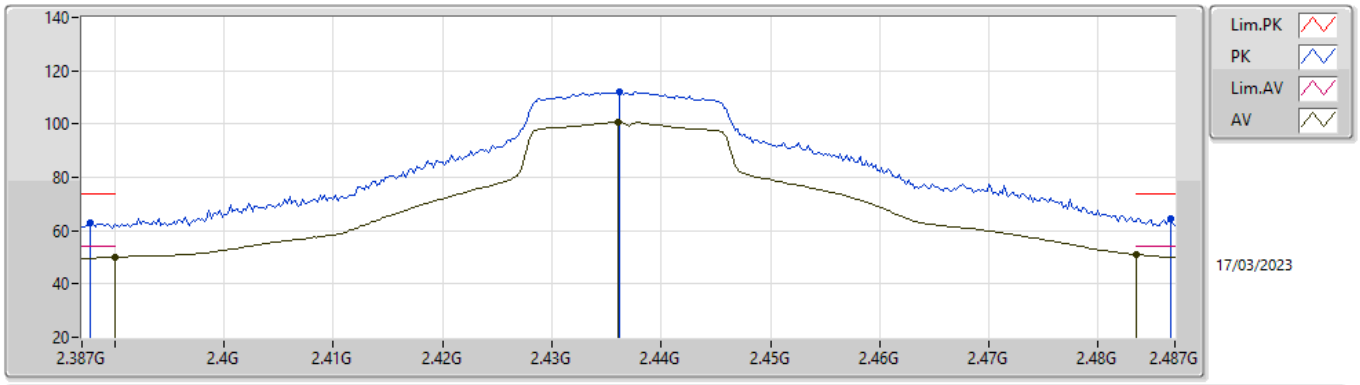


EUT X_1TX
Setting 22
02-F-G-5

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	2.3888G	65.75	74.00	-8.25	34.18	3	Horizontal	340	2.92	-	28.38	3.19	-
AV	2.39G	52.19	54.00	-1.81	20.61	3	Horizontal	340	2.92	-	28.38	3.20	-
PK	2.4178G	112.66	Inf	-Inf	81.05	3	Horizontal	340	2.92	-	28.40	3.21	-
AV	2.416G	101.12	Inf	-Inf	69.51	3	Horizontal	340	2.92	-	28.40	3.21	-

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2437MHz_TX

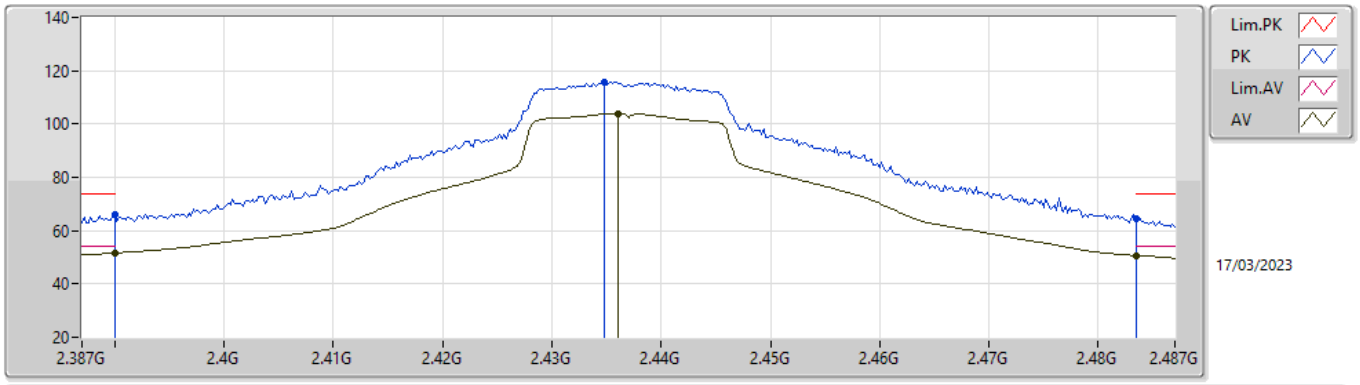


EUT X_1TX
Setting 24.5
02-F-G-5

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	62.95	74.00	-11.05	31.38	3	Vertical	14	1.12	-	28.38	3.19	-
AV	2.39G	50.08	54.00	-3.92	18.50	3	Vertical	14	1.12	-	28.38	3.20	-
PK	2.4362G	112.28	Inf	-Inf	80.66	3	Vertical	14	1.12	-	28.40	3.22	-
AV	2.436G	100.81	Inf	-Inf	69.19	3	Vertical	14	1.12	-	28.40	3.22	-
PK	2.4866G	64.74	74.00	-9.26	32.95	3	Vertical	14	1.12	-	28.55	3.24	-
AV	2.4835G	51.03	54.00	-2.97	19.26	3	Vertical	14	1.12	-	28.53	3.24	-

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2437MHz_TX

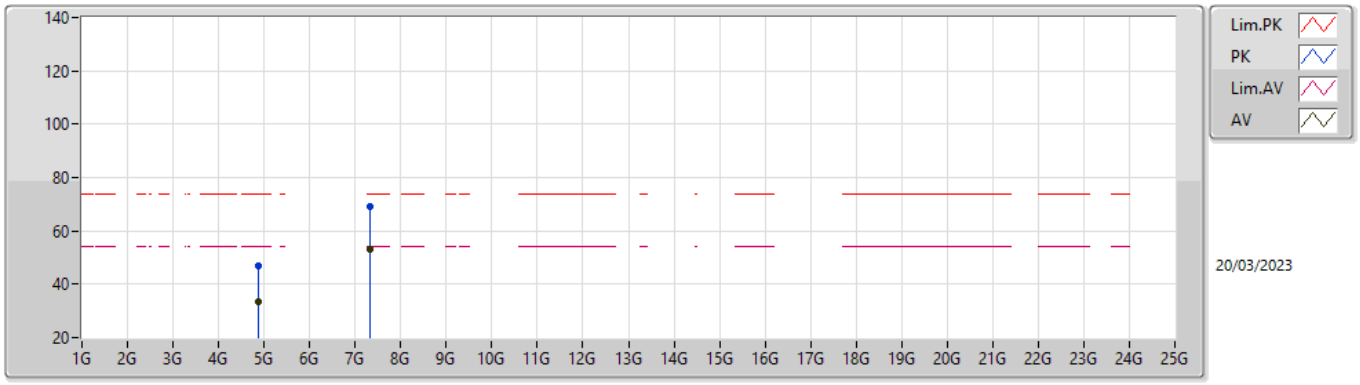


EUT X_1TX
Setting 24.5
02-F-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	65.90	74.00	-8.10	34.32	3	Horizontal	299	2.93	-	28.38	3.20	-
AV	2.39G	51.61	54.00	-2.39	20.03	3	Horizontal	299	2.93	-	28.38	3.20	-
PK	2.4348G	115.79	Inf	-Inf	84.17	3	Horizontal	299	2.93	-	28.40	3.22	-
AV	2.436G	104.04	Inf	-Inf	72.42	3	Horizontal	299	2.93	-	28.40	3.22	-
PK	2.4835G	64.47	74.00	-9.53	32.70	3	Horizontal	299	2.93	-	28.53	3.24	-
AV	2.4835G	50.67	54.00	-3.33	18.90	3	Horizontal	299	2.93	-	28.53	3.24	-

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2437MHz_TX

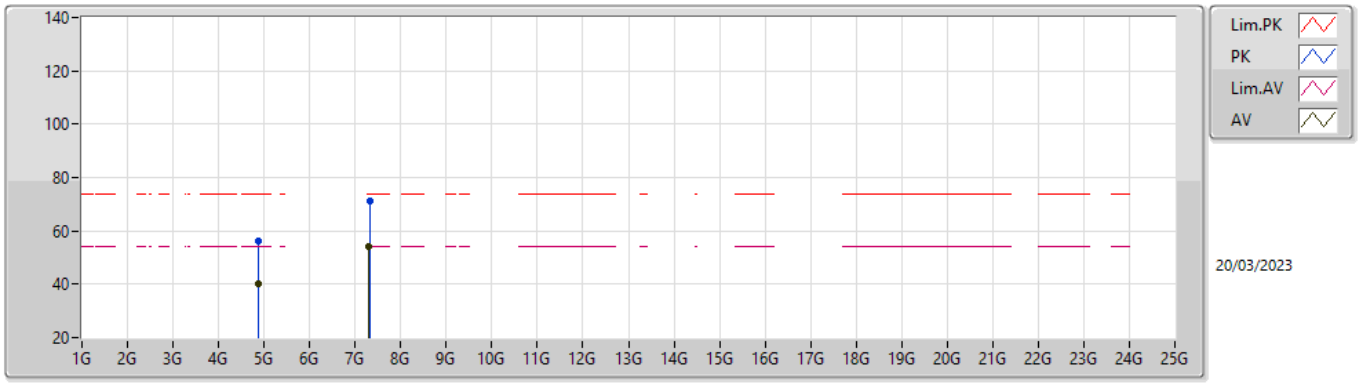


EUT Y_1TX
Setting 24.5
02-F-G-5

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	4.87352G	46.97	74.00	-27.03	38.96	3	Vertical	316	2.97	-	33.15	5.64	30.78
AV	4.87398G	33.65	54.00	-20.35	25.64	3	Vertical	316	2.97	-	33.15	5.64	30.78
PK	7.31122G	69.31	74.00	-4.69	57.97	3	Vertical	265	1.75	-	36.42	6.84	31.92
AV	7.31342G	52.91	54.00	-1.09	41.56	3	Vertical	265	1.75	-	36.43	6.84	31.92

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2437MHz_TX

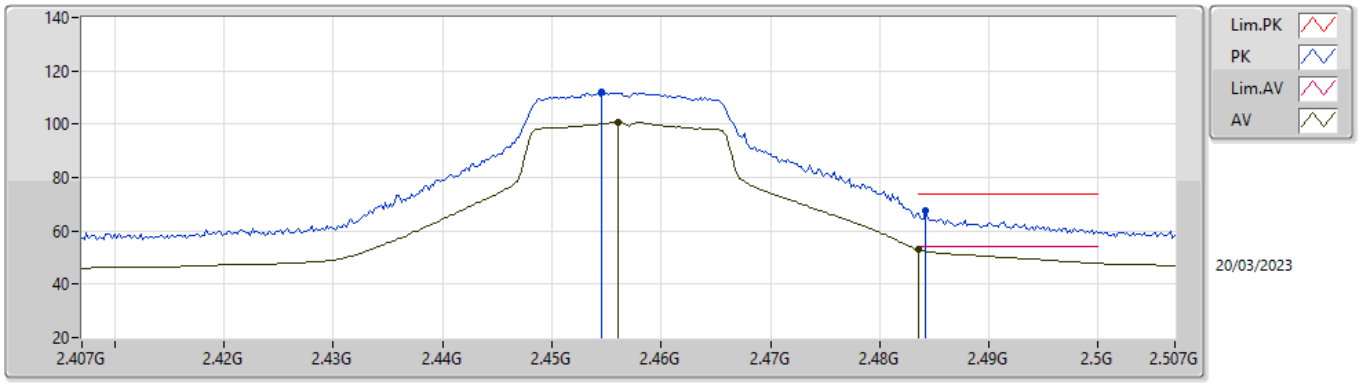


EUT Y_1TX
Setting 24.5
02-F-G-5

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	4.87203G	56.38	74.00	-17.62	48.38	3	Horizontal	314	1.96	-	33.14	5.64	30.78
AV	4.87271G	39.98	54.00	-14.02	31.97	3	Horizontal	314	1.96	-	33.15	5.64	30.78
PK	7.31118G	71.10	74.00	-2.90	59.76	3	Horizontal	293	2.06	-	36.42	6.84	31.92
AV	7.30922G	53.92	54.00	-0.08	42.57	3	Horizontal	293	2.06	-	36.42	6.85	31.92

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2457MHz_TX

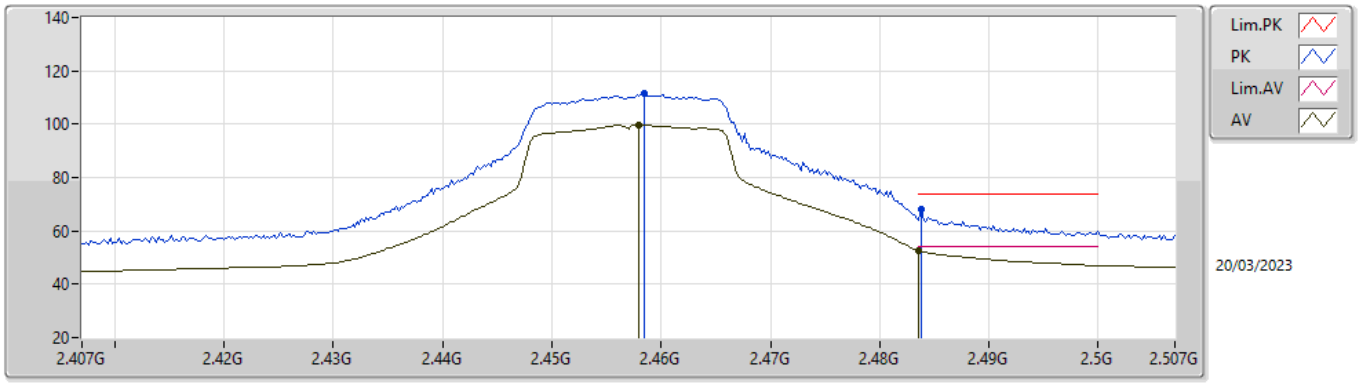


EUT X_1TX
Setting 19.5
02-F-G-5

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	2.4546G	111.92	Inf	-Inf	80.27	3	Vertical	24	1.19	-	28.42	3.23	-
AV	2.456G	100.64	Inf	-Inf	68.99	3	Vertical	24	1.19	-	28.42	3.23	-
PK	2.4842G	67.75	74.00	-6.25	35.97	3	Vertical	24	1.19	-	28.54	3.24	-
AV	2.4835G	52.86	54.00	-1.14	21.09	3	Vertical	24	1.19	-	28.53	3.24	-

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2457MHz_TX

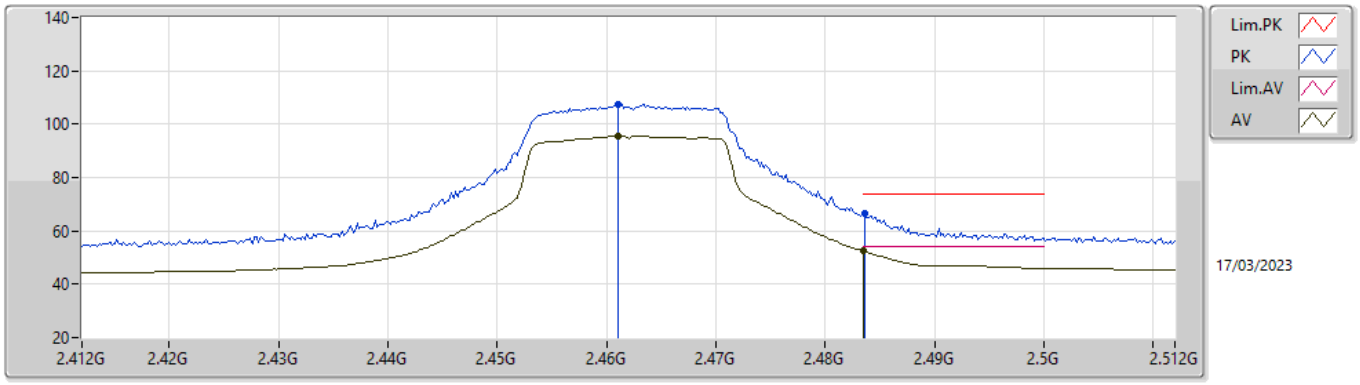


EUT X_1TX
Setting 19.5
02-F-G-5

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	2.4584G	111.32	Inf	-Inf	79.66	3	Horizontal	279	2.79	-	28.43	3.23	-
AV	2.458G	99.78	Inf	-Inf	68.12	3	Horizontal	279	2.79	-	28.43	3.23	-
PK	2.4838G	68.21	74.00	-5.79	36.43	3	Horizontal	279	2.79	-	28.54	3.24	-
AV	2.4835G	52.68	54.00	-1.32	20.91	3	Horizontal	279	2.79	-	28.53	3.24	-

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2462MHz_TX

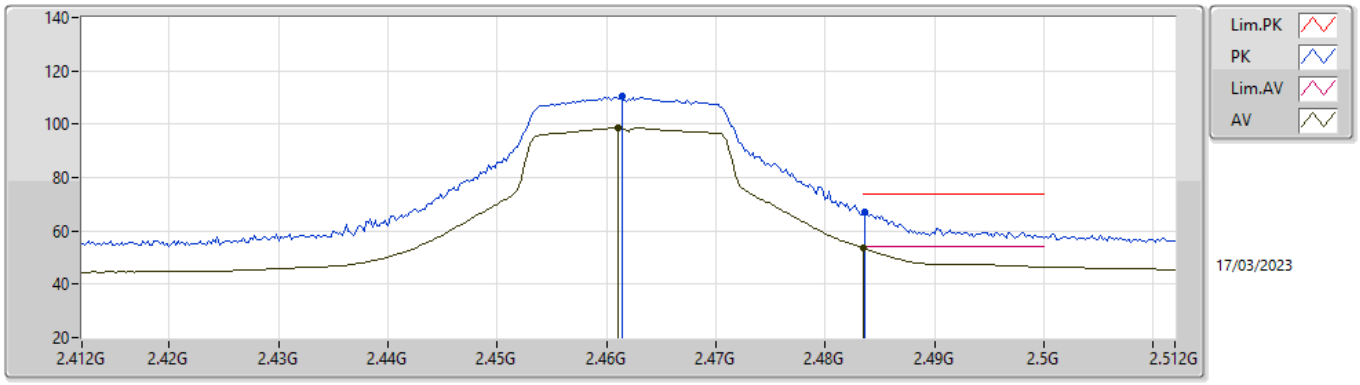


EUT X_1TX
Setting 17.5
02-F-G-5

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	107.35	Inf	-Inf	75.68	3	Vertical	13	1.07	-	28.44	3.23	-
AV	2.461G	95.68	Inf	-Inf	64.01	3	Vertical	13	1.07	-	28.44	3.23	-
PK	2.4836G	66.32	74.00	-7.68	34.55	3	Vertical	13	1.07	-	28.53	3.24	-
AV	2.4835G	52.41	54.00	-1.59	20.64	3	Vertical	13	1.07	-	28.53	3.24	-

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2462MHz_TX

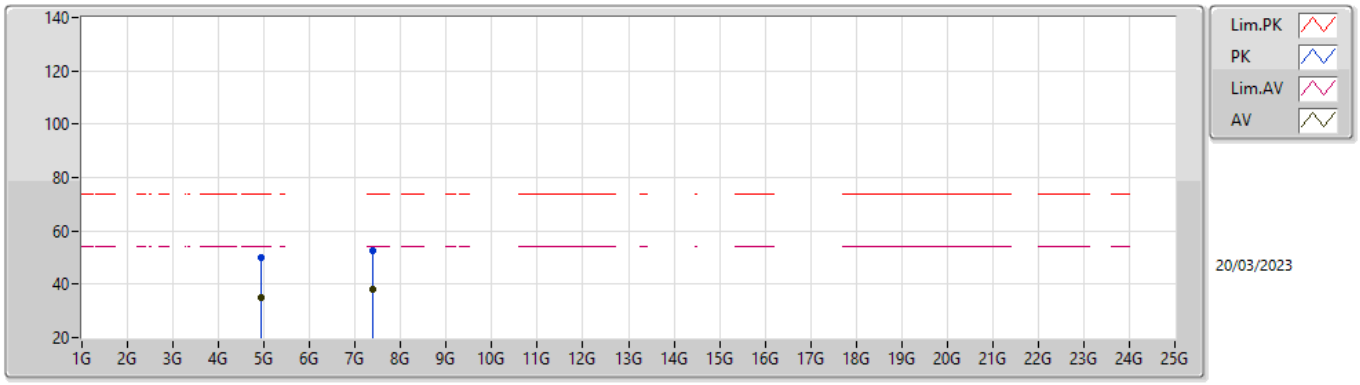


EUT X_1TX
Setting 17.5
02-F-G-5

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	2.4614G	110.37	Inf	-Inf	78.69	3	Horizontal	277	1.88	-	28.45	3.23	-
AV	2.461G	98.76	Inf	-Inf	67.09	3	Horizontal	277	1.88	-	28.44	3.23	-
PK	2.4836G	66.90	74.00	-7.10	35.13	3	Horizontal	277	1.88	-	28.53	3.24	-
AV	2.4835G	53.50	54.00	-0.50	21.73	3	Horizontal	277	1.88	-	28.53	3.24	-

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2462MHz_TX

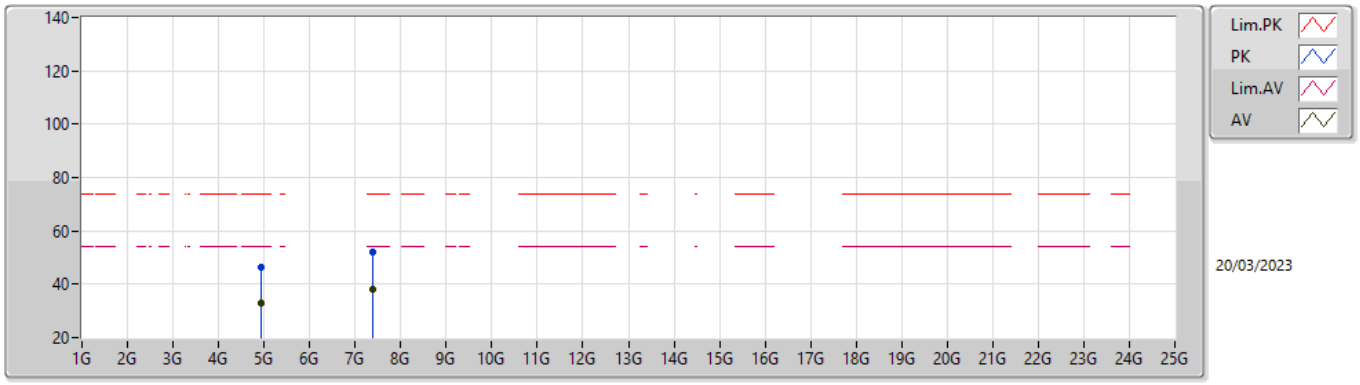


EUT Y_1TX
Setting 17.5
02-F-G-5

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	4.92361G	49.80	74.00	-24.20	41.65	3	Vertical	324	1.15	-	33.25	5.66	30.76
AV	4.92283G	34.76	54.00	-19.24	26.61	3	Vertical	324	1.15	-	33.25	5.66	30.76
PK	7.38584G	52.36	74.00	-21.64	41.01	3	Vertical	339	1.64	-	36.50	6.81	31.96
AV	7.38595G	38.08	54.00	-15.92	26.73	3	Vertical	339	1.64	-	36.50	6.81	31.96

2.4-2.4835GHz_VHT20_Nss1,(MCS0)_1TX

2462MHz_TX

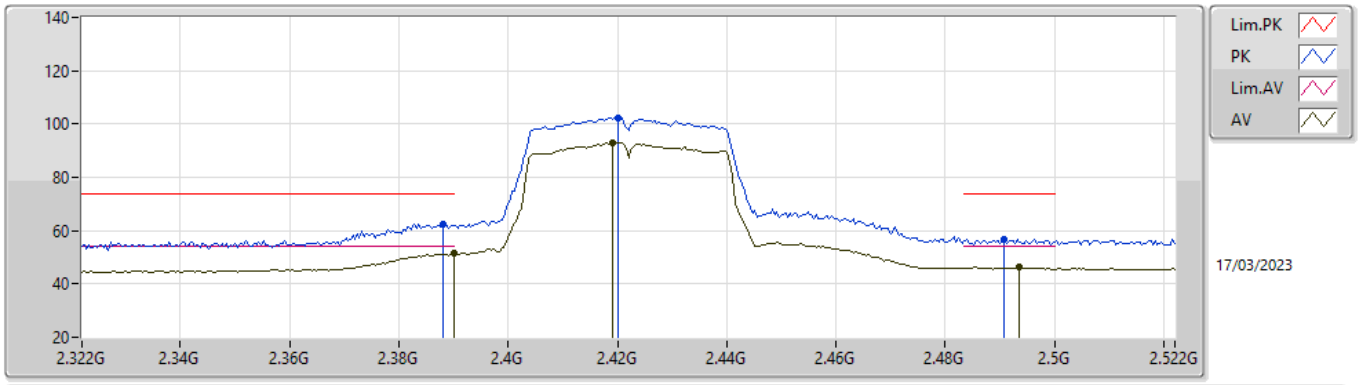


EUT Y_1TX
Setting 17.5
02-F-G-5

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	4.9265G	46.59	74.00	-27.41	38.44	3	Horizontal	56	2.68	-	33.25	5.66	30.76
AV	4.92643G	32.98	54.00	-21.02	24.83	3	Horizontal	56	2.68	-	33.25	5.66	30.76
PK	7.38616G	52.19	74.00	-21.81	40.84	3	Horizontal	259	2.92	-	36.50	6.81	31.96
AV	7.38595G	38.28	54.00	-15.72	26.93	3	Horizontal	259	2.92	-	36.50	6.81	31.96

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2422MHz_TX

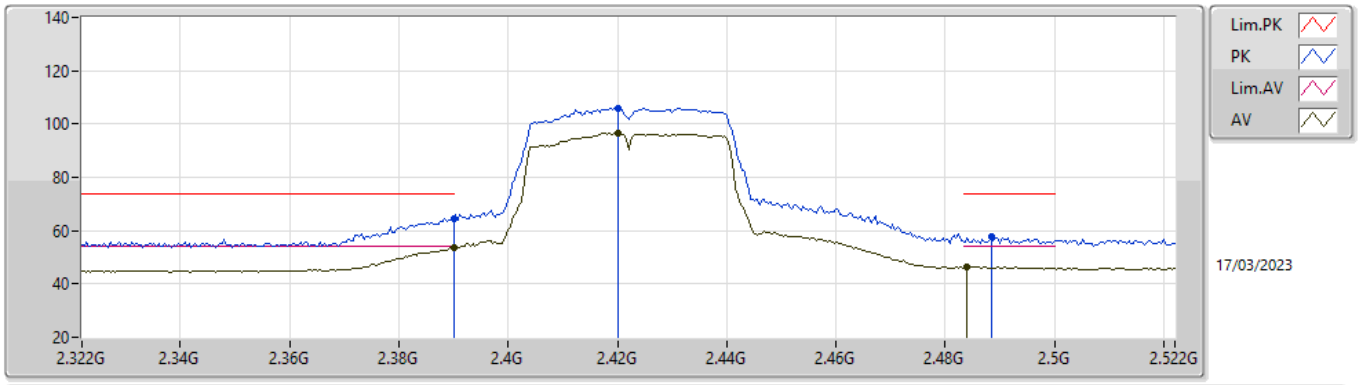


EUT X_1TX
Setting 16
02-F-G-5

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	62.59	74.00	-11.41	31.02	3	Vertical	6	1.59	-	28.38	3.19	-
AV	2.39G	51.33	54.00	-2.67	19.75	3	Vertical	6	1.59	-	28.38	3.20	-
PK	2.42G	102.35	Inf	-Inf	70.74	3	Vertical	6	1.59	-	28.40	3.21	-
AV	2.4192G	92.96	Inf	-Inf	61.35	3	Vertical	6	1.59	-	28.40	3.21	-
PK	2.4908G	56.84	74.00	-17.16	25.03	3	Vertical	6	1.59	-	28.56	3.25	-
AV	2.4936G	46.27	54.00	-7.73	14.45	3	Vertical	6	1.59	-	28.57	3.25	-

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2422MHz_TX

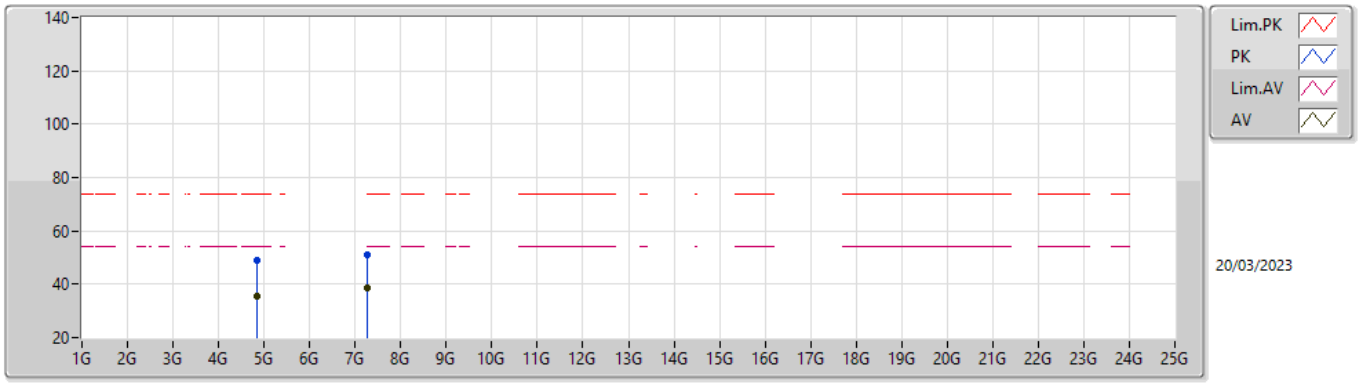


EUT X_1TX
Setting 16
02-F-G-5

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	64.36	74.00	-9.64	32.78	3	Horizontal	308	2.92	-	28.38	3.20	-
AV	2.39G	53.55	54.00	-0.45	21.97	3	Horizontal	308	2.92	-	28.38	3.20	-
PK	2.42G	106.11	Inf	-Inf	74.50	3	Horizontal	308	2.92	-	28.40	3.21	-
AV	2.42G	96.56	Inf	-Inf	64.95	3	Horizontal	308	2.92	-	28.40	3.21	-
PK	2.4884G	57.89	74.00	-16.11	26.10	3	Horizontal	308	2.92	-	28.55	3.24	-
AV	2.484G	46.42	54.00	-7.58	14.64	3	Horizontal	308	2.92	-	28.54	3.24	-

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2422MHz_TX

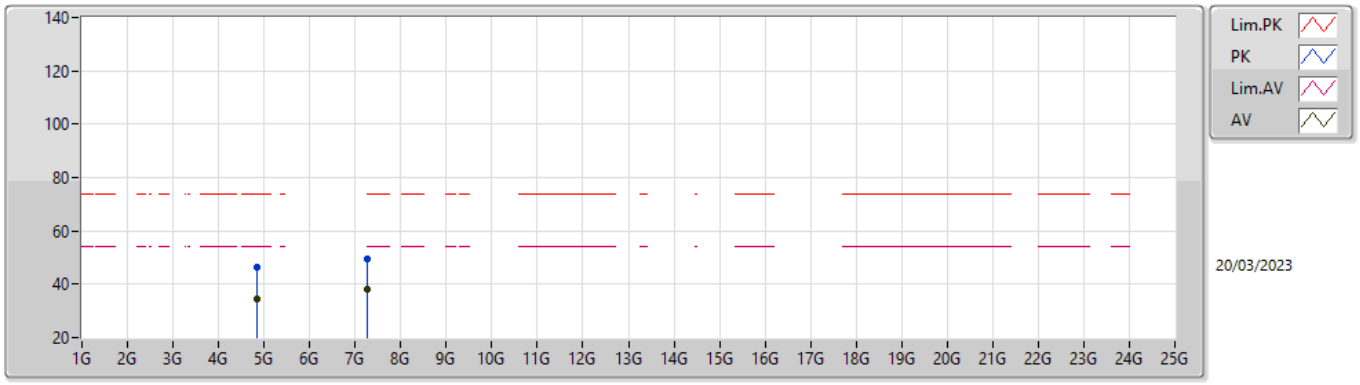


EUT Y_1TX
Setting 16
02-F-G-5

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	4.84469G	48.75	74.00	-25.25	40.86	3	Vertical	301	2.71	-	33.07	5.62	30.80
AV	4.84433G	35.65	54.00	-18.35	27.76	3	Vertical	301	2.71	-	33.07	5.62	30.80
PK	7.26603G	51.07	74.00	-22.93	39.83	3	Vertical	266	1.80	-	36.26	6.87	31.89
AV	7.26699G	38.43	54.00	-15.57	27.18	3	Vertical	266	1.80	-	36.27	6.87	31.89

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2422MHz_TX

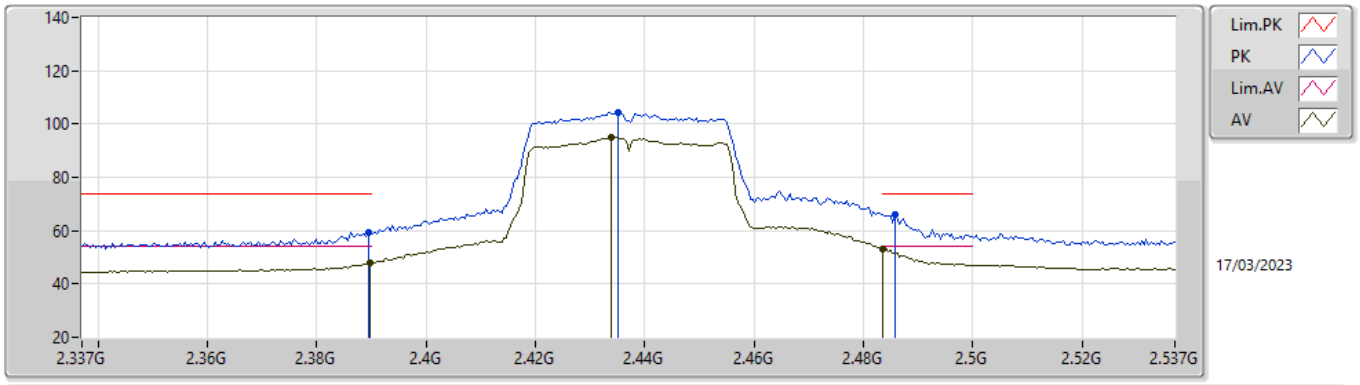


EUT Y_1TX
Setting 16
02-F-G-5

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	4.84283G	46.33	74.00	-27.67	38.45	3	Horizontal	267	2.26	-	33.06	5.62	30.80
AV	4.84264G	34.32	54.00	-19.68	26.44	3	Horizontal	267	2.26	-	33.06	5.62	30.80
PK	7.26664G	49.61	74.00	-24.39	38.36	3	Horizontal	338	1.70	-	36.27	6.87	31.89
AV	7.26357G	37.88	54.00	-16.12	26.65	3	Horizontal	338	1.70	-	36.25	6.87	31.89

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2437MHz_TX

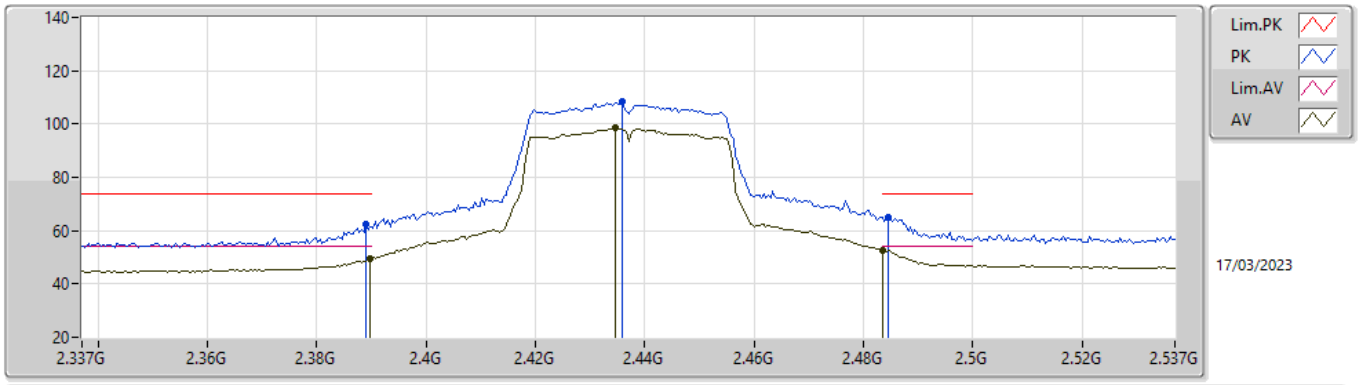


EUT X_1TX
Setting 17
02-F-G-5

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	59.36	74.00	-14.64	27.79	3	Vertical	14	1.09	-	28.38	3.19	-
AV	2.3898G	48.10	54.00	-5.90	16.53	3	Vertical	14	1.09	-	28.38	3.19	-
PK	2.435G	104.45	Inf	-Inf	72.83	3	Vertical	14	1.09	-	28.40	3.22	-
AV	2.4338G	95.01	Inf	-Inf	63.39	3	Vertical	14	1.09	-	28.40	3.22	-
PK	2.4858G	66.07	74.00	-7.93	34.29	3	Vertical	14	1.09	-	28.54	3.24	-
AV	2.4835G	53.24	54.00	-0.76	21.47	3	Vertical	14	1.09	-	28.53	3.24	-

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2437MHz_TX

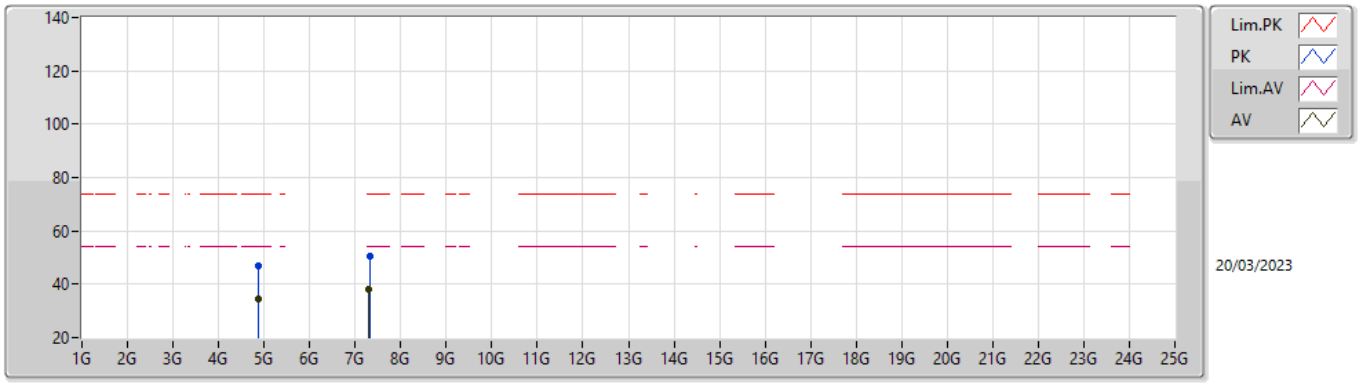


EUT X_1TX
Setting 17
02-F-G-5

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	62.49	74.00	-11.51	30.92	3	Horizontal	303	2.93	-	28.38	3.19	-
AV	2.3898G	49.29	54.00	-4.71	17.72	3	Horizontal	303	2.93	-	28.38	3.19	-
PK	2.4358G	108.68	Inf	-Inf	77.06	3	Horizontal	303	2.93	-	28.40	3.22	-
AV	2.4346G	98.39	Inf	-Inf	66.77	3	Horizontal	303	2.93	-	28.40	3.22	-
PK	2.4846G	65.23	74.00	-8.77	33.45	3	Horizontal	303	2.93	-	28.54	3.24	-
AV	2.4835G	52.58	54.00	-1.42	20.81	3	Horizontal	303	2.93	-	28.53	3.24	-

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2437MHz_TX

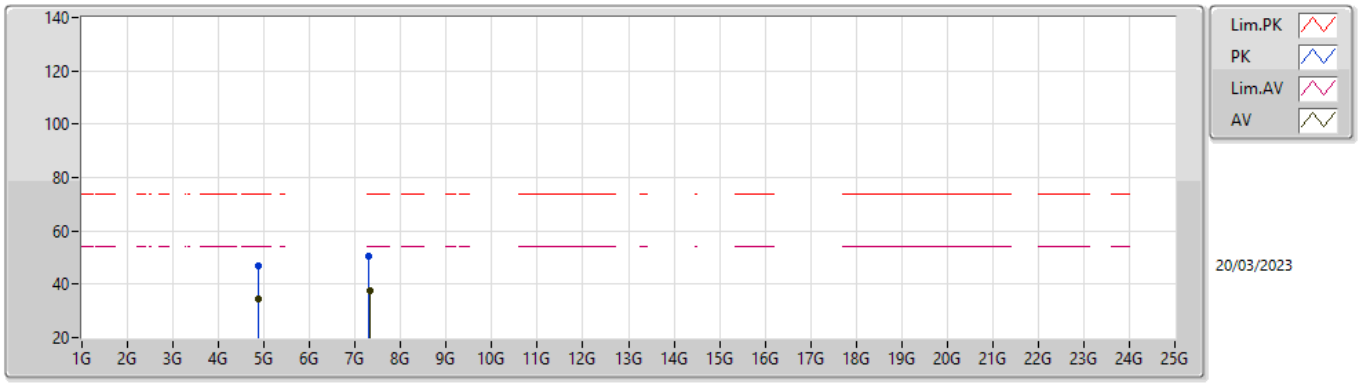


EUT Y_1TX
Setting 17
02-F-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87365G	46.70	74.00	-27.30	38.69	3	Vertical	83	2.13	-	33.15	5.64	30.78
AV	4.87638G	34.56	54.00	-19.44	26.55	3	Vertical	83	2.13	-	33.15	5.64	30.78
PK	7.31279G	50.70	74.00	-23.30	39.35	3	Vertical	164	1.80	-	36.43	6.84	31.92
AV	7.30875G	38.22	54.00	-15.78	26.87	3	Vertical	164	1.80	-	36.42	6.85	31.92

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2437MHz_TX

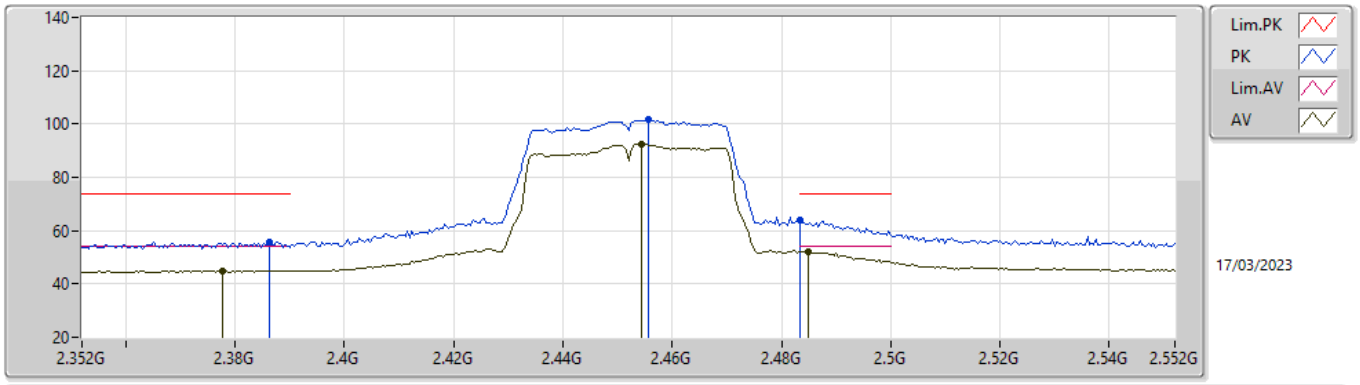


EUT Y_1TX
Setting 17
02-F-G-5

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	4.87511G	46.67	74.00	-27.33	38.66	3	Horizontal	13	2.41	-	33.15	5.64	30.78
AV	4.87581G	34.53	54.00	-19.47	26.52	3	Horizontal	13	2.41	-	33.15	5.64	30.78
PK	7.30992G	50.64	74.00	-23.36	39.29	3	Horizontal	103	1.28	-	36.42	6.85	31.92
AV	7.31296G	37.77	54.00	-16.23	26.42	3	Horizontal	103	1.28	-	36.43	6.84	31.92

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2452MHz_TX

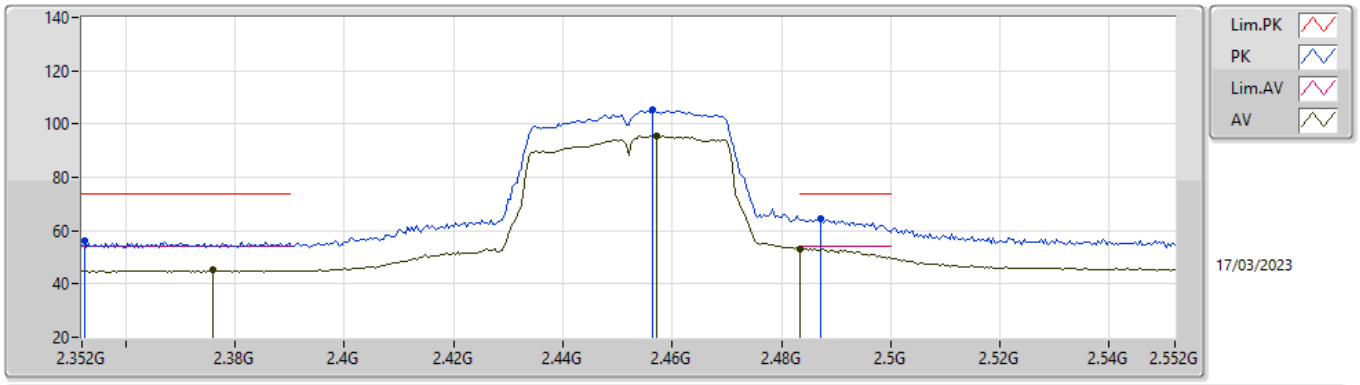


EUT X_1TX
Setting 14.5
02-F-G-5

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	55.80	74.00	-18.20	24.24	3	Vertical	-0	1.45	-	28.37	3.19	-
AV	2.3776G	45.02	54.00	-8.98	13.47	3	Vertical	-0	1.45	-	28.36	3.19	-
PK	2.4556G	101.76	Inf	-Inf	70.11	3	Vertical	-0	1.45	-	28.42	3.23	-
AV	2.4544G	92.65	Inf	-Inf	61.00	3	Vertical	-0	1.45	-	28.42	3.23	-
PK	2.4835G	63.76	74.00	-10.24	31.99	3	Vertical	-0	1.45	-	28.53	3.24	-
AV	2.4848G	52.06	54.00	-1.94	20.28	3	Vertical	-0	1.45	-	28.54	3.24	-

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2452MHz_TX

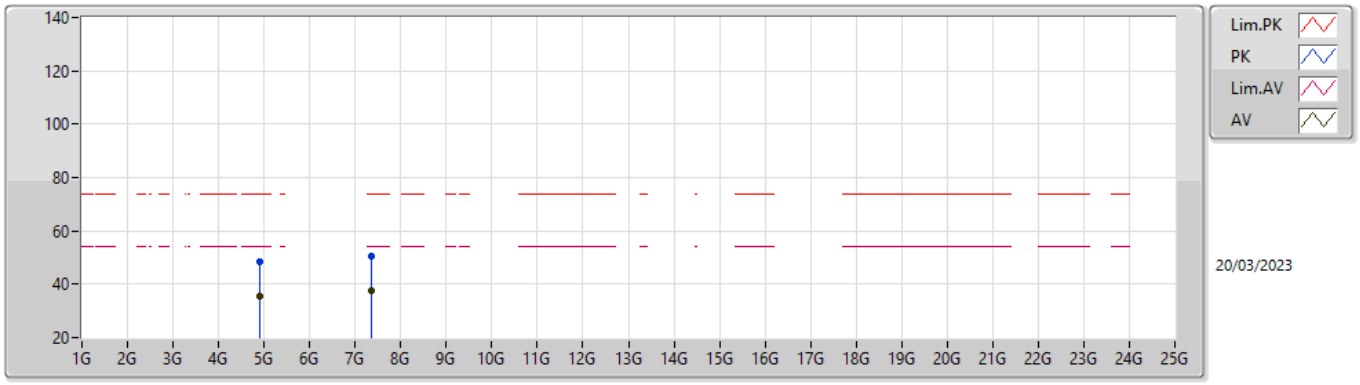


EUT X_1TX
Setting 14.5
02-F-G-5

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	2.3524G	56.00	74.00	-18.00	24.52	3	Horizontal	283	1.87	-	28.30	3.18	-
AV	2.376G	45.10	54.00	-8.90	13.56	3	Horizontal	283	1.87	-	28.35	3.19	-
PK	2.4564G	105.13	Inf	-Inf	73.47	3	Horizontal	283	1.87	-	28.43	3.23	-
AV	2.4572G	95.55	Inf	-Inf	63.89	3	Horizontal	283	1.87	-	28.43	3.23	-
PK	2.4872G	64.37	74.00	-9.63	32.58	3	Horizontal	283	1.87	-	28.55	3.24	-
AV	2.4835G	53.25	54.00	-0.75	21.48	3	Horizontal	283	1.87	-	28.53	3.24	-

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2452MHz_TX

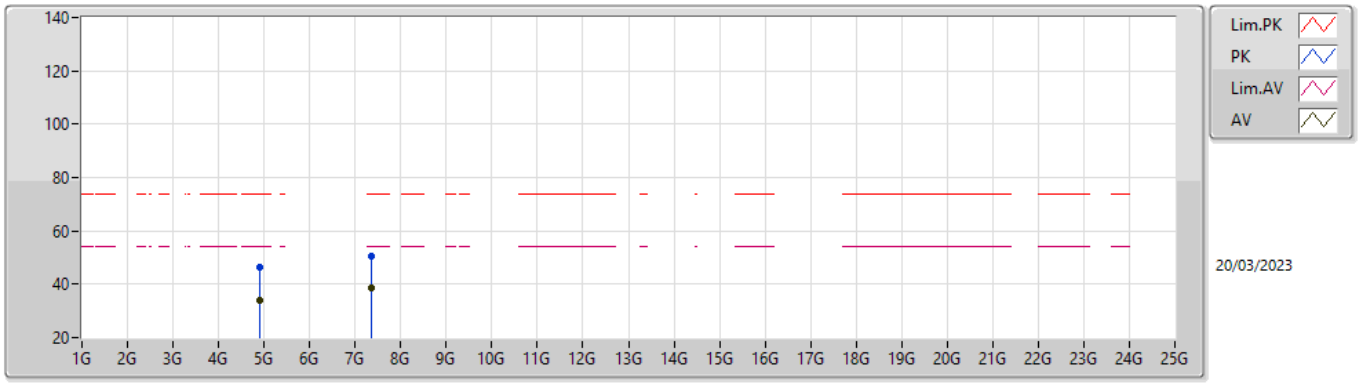


EUT Y_1TX
Setting 14.5
02-F-G-5

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	4.9061G	48.42	74.00	-25.58	40.33	3	Vertical	16	1.80	-	33.21	5.65	30.77
AV	4.90285G	35.67	54.00	-18.33	27.58	3	Vertical	16	1.80	-	33.21	5.65	30.77
PK	7.35574G	50.47	74.00	-23.53	39.10	3	Vertical	74	1.78	-	36.50	6.82	31.95
AV	7.35496G	37.83	54.00	-16.17	26.46	3	Vertical	74	1.78	-	36.50	6.82	31.95

2.4-2.4835GHz_VHT40_Nss1,(MCS0)_1TX

2452MHz_TX



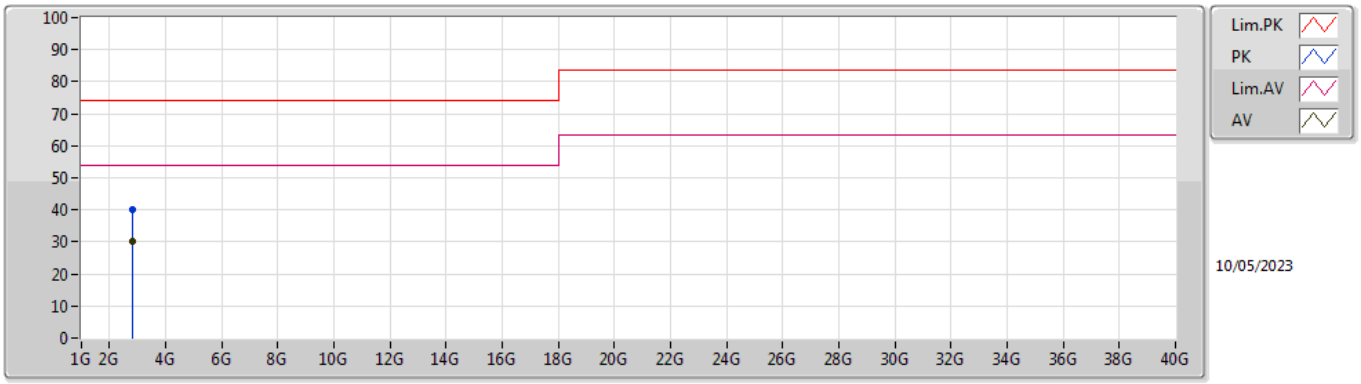
EUT Y_1TX
Setting 14.5
02-F-G-5

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	4.90544G	46.23	74.00	-27.77	38.14	3	Horizontal	155	2.09	-	33.21	5.65	30.77
AV	4.90222G	34.19	54.00	-19.81	26.11	3	Horizontal	155	2.09	-	33.20	5.65	30.77
PK	7.35398G	50.58	74.00	-23.42	39.21	3	Horizontal	49	1.04	-	36.50	6.82	31.95
AV	7.35388G	38.42	54.00	-15.58	27.05	3	Horizontal	49	1.04	-	36.50	6.82	31.95

Summary

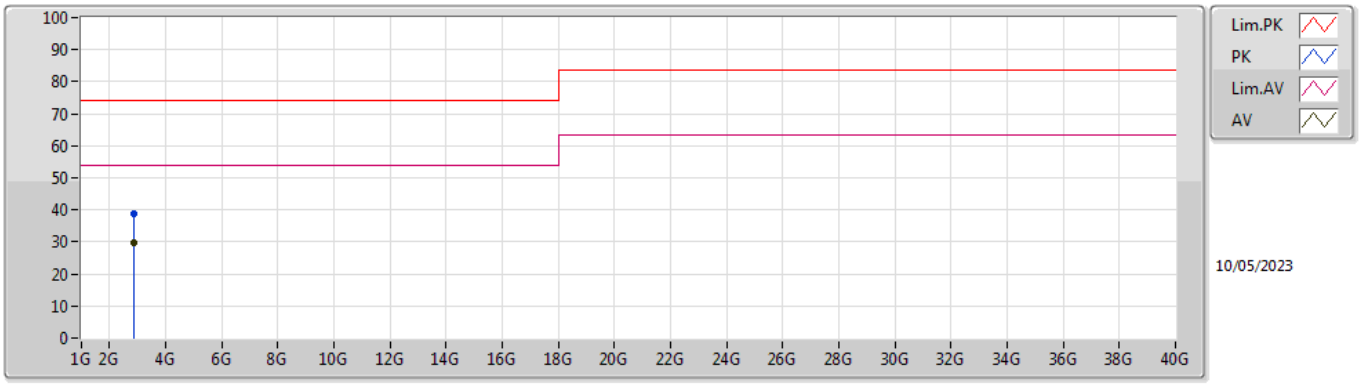
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	AV	2.821G	30.05	54.00	-23.95	Vertical

Mode 2



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	2.821G	40.05	74.00	-33.95	-3.01	3	Vertical	15	1.40	-	43.06	28.44	4.71	36.16
AV	2.821G	30.05	54.00	-23.95	-3.01	3	Vertical	15	1.40	"Worst"	33.06	28.44	4.71	36.16

Mode 2



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	2.872G	38.63	74.00	-35.37	-2.69	3	Horizontal	40	1.55	-	41.32	28.68	4.74	36.11
AV	2.872G	29.85	54.00	-24.15	-2.69	3	Horizontal	40	1.55	"Worst"	32.54	28.68	4.74	36.11