FCC Radio Test Report

FCC ID	:	**U2M-IAP2701A**
Equipment	:	**WiFi 7 Tri-radio concurrent indoor ceiling mount AP**
Brand Name	:	**Senao**
Model Name	:	**IAP2701A**
Applicant	:	**Senao Networks, Inc. 3F., No.529, Zhongzheng Rd., Xindian Dist., New Taipei City, Taiwan**
Manufacturer	:	**Senao Networks, Inc. 3F., No.529, Zhongzheng Rd., Xindian Dist., New Taipei City, Taiwan**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Nov. 28, 2023, and testing was started from Mar. 15, 2024 and completed on Mar. 27, 2024. We, SPORTON INTERNATIONAL INC. Hsinhua 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. Hsinhua Laboratory, the test report shall not be reproduced except in full.

Ben Tseng

Approved by: Ben Tseng

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FR421504AC	01	Initial issue of report	May 03, 2024

Summary of Test Result

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

Note 1: From Sporton Project No.: FR422116AC (Conducted, Radiated above 1G)

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and explanations:
The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

Reviewed by: Terry Chang

Report Producer: Ann Hou

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), VHT20, ax(HEW20), be (EHT20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40, ax(HEW40), be (EHT40)	2422-2452	3-9 [7]

Non-Beamforming

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11be EHT20	20	2TX
2.4-2.4835GHz	802.11be EHT40	40	2TX

Beamforming

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11be EHT20-BF	20	2TX
2.4-2.4835GHz	802.11be EHT40-BF	40	2TX

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.
- HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- EHT20, EHT40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM modulation.
- BWch is the nominal channel bandwidth.
- Evaluated EHT20/EHT40 mode only due to the similar modulation. The power setting of HT20/ HT40/VHT20/VHT40/HEW20/HEW40 mode are the same or lower than EHT20/EHT40.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support
1	Senao	5718A0751300	PIFA	I-Pex	Radio 1_2.4G
2	Senao	5718A0750300	PIFA	I-Pex	Radio 1_2.4G
3	Senao	5718A0753300	PIFA	I-Pex	Radio 2_5G 2*2
4	Senao	5718A0752300	PIFA	I-Pex	Radio 2_5G 2*2
5	AWAN	7102A0951000	Alford Loop	I-Pex	Radio 2_6E
6	AWAN	7102A0952000	Alford Loop	I-Pex	Radio 2_6E
7	AWAN	7102A0953000	Dipole	I-Pex	BT

Ant.	Port	Gain (dBi)						
		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	6E	BT
1	1	2.24	-	-	-	-	-	-
2	2	3.12	-	-	-	-	-	-
3	1	-	5.55	5.98	5.87	5.49	-	-
4	2	-	5.48	5.41	4.88	4.65	-	-
5	1	-	-	-	-	-	5.1	-
6	2	-	-	-	-	-	5.6	-
7	1	-	-	-	-	-	-	3.2

Composite Gain (dBi)							
	2.4G	2.45G	2.4835G	5.2G	5.3G	5.6G	5.785G
DG [1SS]	3.33	3.92	4.52	6.77	7	7.46	6.35
DG [2SS]	2.24	2.35	3.12	5.55	5.98	5.87	5.49

Note 1: The EUT has seven antennas.

Note 2: The composite gain is derived as KDB 662911 D03 v01 which was used as directional gain. For more detail information, please refer to the Antenna Pattern Report AP421504.

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/2RX)

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax/be mode (2TX/2RX)

Ant. 3 (port 1) and Ant. 4 (port 2) could transmit/receive simultaneously.

For 6GHz function:

For IEEE 802.11 ax/be mode (2TX/2RX)

Ant. 5 (port 1) and Ant. 6 (port 2) could transmit/receive simultaneously.

For Bluetooth function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Ant. 7 (port 1) could transmit/receive.

1.1.3 EUT Information

Operational Condition					
EUT Power Type	From Adapter / PoE				
EUT Function	☒	Point-to-multipoint	☐	Point-to-point	
Beamforming Function	☒	With beamforming	☐	Without beamforming	
Resource Unit(802.11ax)	☒	Full RU	☐	Partial RU	

Type of EUT		
☒	Stand-alone	
☐	Combined (EUT where the radio part is fully integrated within another device)	
	Combined Equipment - Brand Name / Model No.:	…
☐	Plug-in radio (EUT intended for a variety of host systems)	
	Host System - Brand Name / Model No.:	…
☐	Other:	

1.1.4 Mode Test Duty Cycle

Non-Beamforming

Mode	DC	DCF (dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b_Nss1,(1Mbps)_2TX	N/A	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss1,(6Mbps)_2TX	0.992	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20_Nss1,(MCS0)_2TX	0.978	0.1	5.455m	300
802.11be EHT40_Nss1,(MCS0)_2TX	0.985	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Beamforming

Mode	DC	DCF (dB)	T(s)	VBW(Hz) ≥ 1/T
802.11be EHT20-BF_Nss1,(MCS0)_2TX	0.978	0.1	5.455m	300
802.11be EHT40-BF_Nss1,(MCS0)_2TX	0.985	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

1.2 Testing Applied Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013

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

- KDB 558074 D01 v05r02
- KDB 662911 D01 v02r01
- KDB 662911 D03 v01
- KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab.：Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua **(TAF:** 3785**)**	**ADD:** No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		**FAX:** 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
AC Conduction	CO04-HY	Ivan Chung	21.1~22.4°C / 50~56%	27/Mar/2024
RF Conducted	TH07-HY	Xun Hsieh	24.2~24.8°C / 55~58%	25/Mar/2024
Radiated	03CH02-HY	Daniel Lin	21.8~24.4°C / 55~59%	15/Mar/2024~27/Mar/2024
Radiated (Co-location)	03CH02-HY	Darren Cho	21.8~24.4°C / 55~58%	27/Mar/2024
☐ Wen 33rd.St. **(TAF:** 3785**)**	**ADD:** No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		**FAX:** 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

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**
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
Power Spectral Density	2 dB	Confidence levels of 95%
Emissions in Non-restricted Frequency Bands	0.14 dB	Confidence levels of 95%
Emissions in Restricted Frequency Bands	4.8 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	qdart_conn.win.1.0_installer_00099

Non-Beamforming

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	21
2437MHz	21
2457MHz	21
2462MHz	20
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	18.5
2417MHz	19.5
2437MHz	21
2457MHz	19.5
2462MHz	17.5
802.11be EHT20_Nss1,(MCS0)_2TX	-
2412MHz	16
2417MHz	19.5
2437MHz	21
2457MHz	18
2462MHz	15.5
802.11be EHT40_Nss1,(MCS0)_2TX	-
2422MHz	15
2427MHz	15
2437MHz	17
2447MHz	16.5
2452MHz	16.5

Beamforming

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-
2412MHz	16
2417MHz	19.5
2437MHz	21
2457MHz	18
2462MHz	15.5
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-
2422MHz	15
2427MHz	15
2437MHz	17
2447MHz	16.5
2452MHz	16.5

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	CTX
1	PoE mode

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

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	PoE mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT		V	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz + Bluetooth
Refer to Sporton Test Report No.: FA421504 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.3 Accessories

Accessories				
Bracket	Brand Name	Dragonjet	Part Number	6301A6543000

Reminder: Regarding to more detail and other information, please refer to user manual.

2.4 Support Equipment

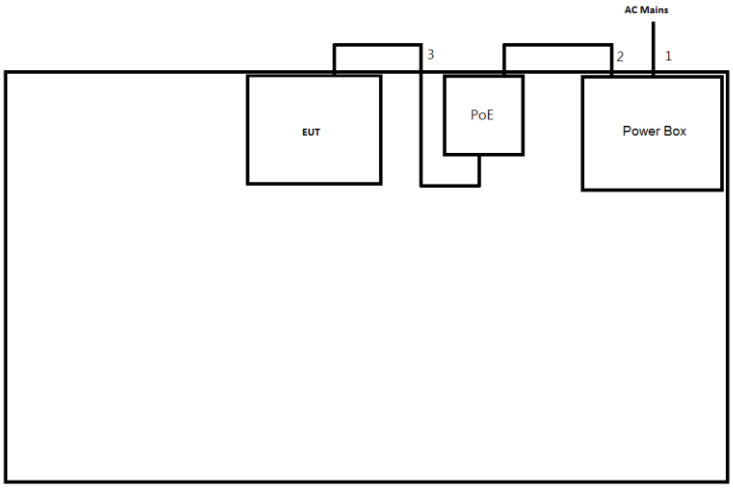
Support Equipment – AC Conduction					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	PoE	SENAO	PNA60BGS-54	-	Provided by Customer

Support Equipment – Conducted					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	AC Adapter	SPC	ZZU1588-300120-2A	-	Provided by Customer

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	RJ45 cable	Power Sync	CAT-6E-10	-	-
2	PoE	SENAO	PNA60BGS-54	-	Remote Provided by Customer
3	Notebook	DELL	E5410	-	Remote
4	RJ45 cable	Power Sync	CAT-6E-01	-	Remote

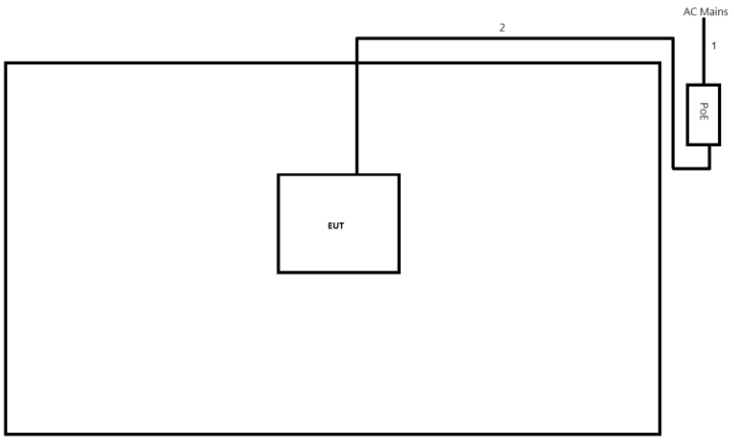
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length (m)
1	AC Power Cable	No	1.0
2	AC Power Cable	No	0.5
3	RJ45 Cable	No	10.0

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length (m)
1	AC Power Cable	No	0.5
2	RJ45 Cable	No	10.0

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

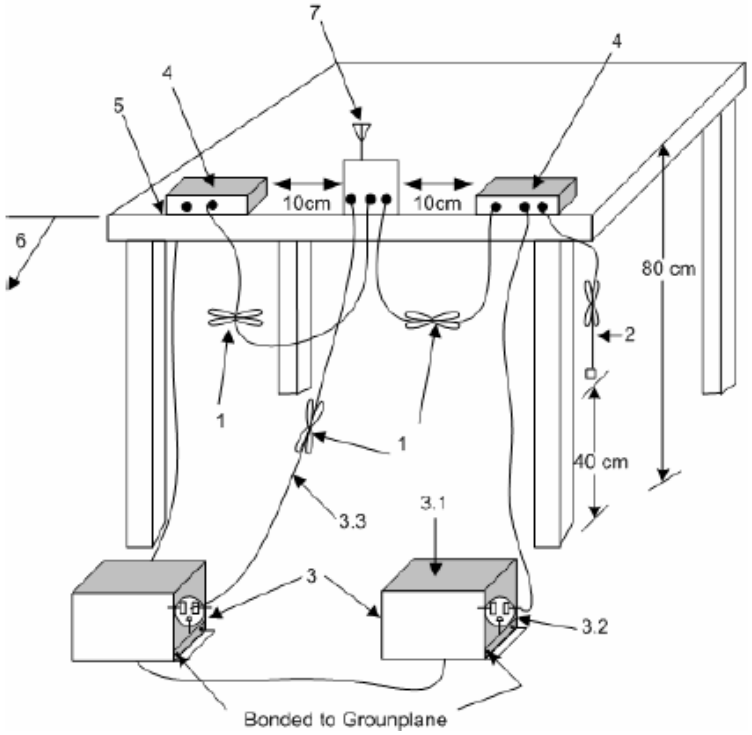
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) +LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 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 50Ω 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.

3.1.6 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.

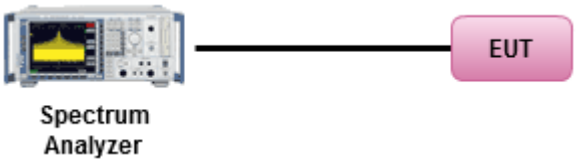
3.2.2 Measuring Instruments

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 KDB 558074. clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
	☐ Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
	☐ Refer as ANSI C63.10, clause 6.9.3 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} ≤ 6 dBi, then P_{Out} ≤ 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 + 8dB dBm	
e.i.r.p. Power Limit:			
▪ 2400-2483.5 MHz Band			
	▪ Point-to-multipoint systems (P2M): P_{eirp} ≤ 36 dBm (4 W)		
	▪ Point-to-point systems (P2P): P_{eirp} ≤ MAX(36, [P_{Out} + G_{TX}]) dBm		
	▪ Smart antenna system (SAS)		
		- Single beam: P_{eirp} ≤ MAX(36, P_{Out} + G_{TX}) dBm	
		- Overlap beam: P_{eirp} ≤ MAX(36, P_{Out} + G_{TX}) dBm	
		- Aggregate power on all beams: P_{eirp} ≤ MAX(36, [P_{Out} + G_{TX} + 8]) 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 KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
	☐ Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
	☐ Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
▪ Maximum Average Conducted Output Power	
	☐ Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
	☒ Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as 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

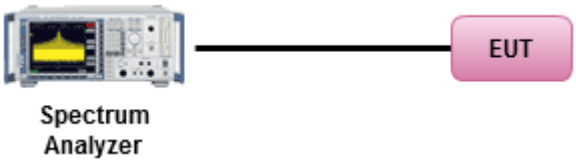
3.4.2 Measuring Instruments

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 KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.	
▪ For conducted measurement.		
	▪ If The EUT supports multiple transmit chains using options given below:	
		▪ Measure and sum the spectra across the outputs. Refer as 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.

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 (dB)**
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 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 level.	

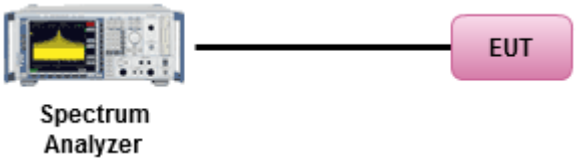
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
▪ Refer as KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency 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.

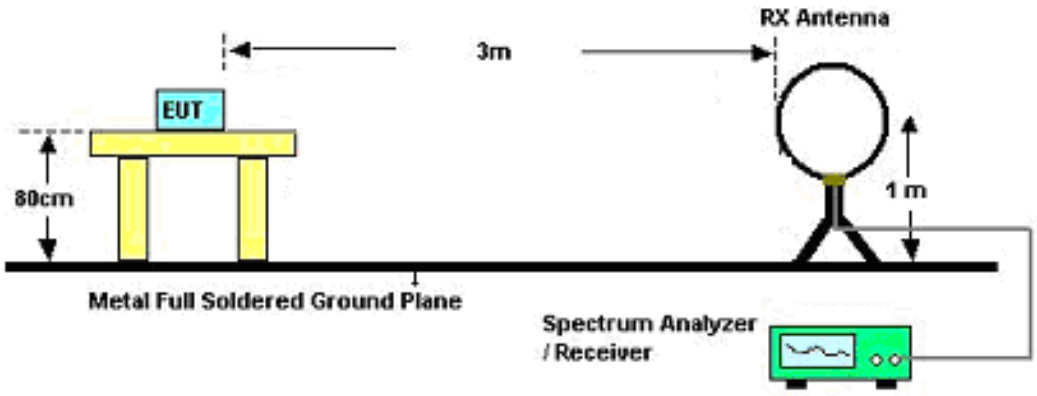
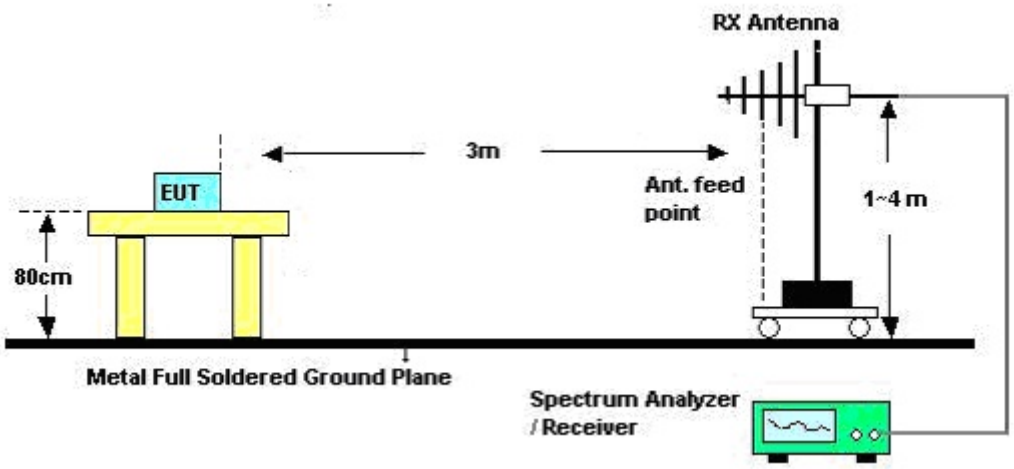
3.6.3 Test Procedures

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 KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
▪	For the transmitter band-edge emissions shall be measured using following options below:
	▪ Refer as KDB 558074 clause 8.7.1, 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 KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	▪ Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
▪	Use the following spectrum analyzer settings:
	▪ Set RBW=100 kHz for f < 1 GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	▪ Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement. For average measurement, refer as 1.1.4.
▪	KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
	▪ Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

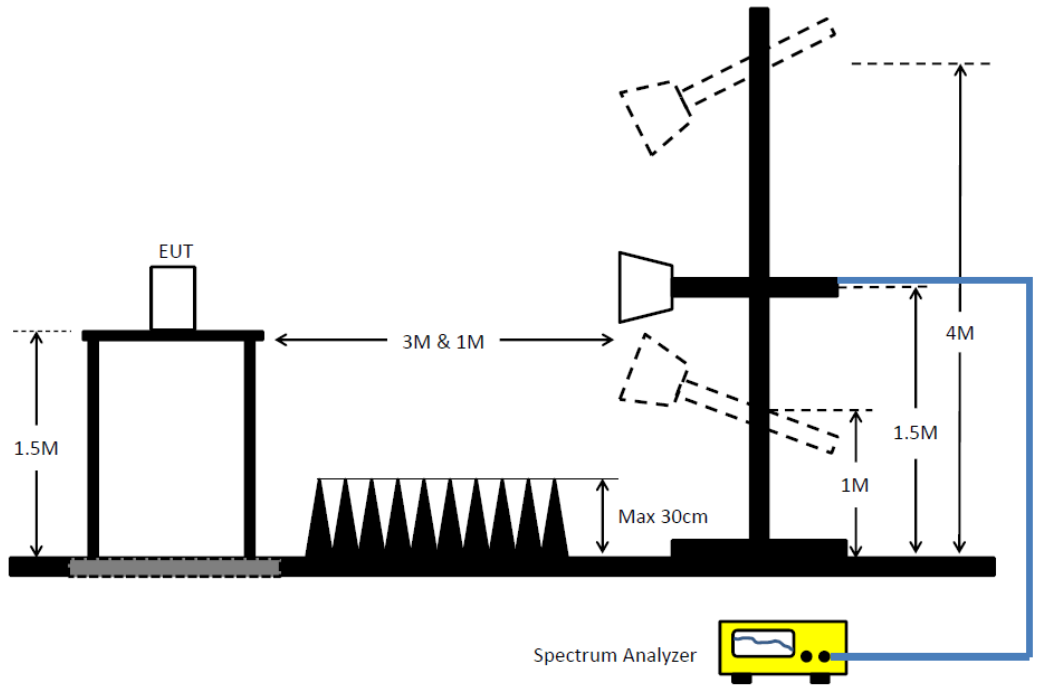
3.6.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

3.6.5 Test Setup

Emissions in Restricted Frequency Bands
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



3.6.6 Test Result of Emissions in Restricted Frequency Bands (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102051	9kHz ~ 3.6GHz	16/May/2023	15/May/2024
Two-Line V-Network	R&S	ENV 216	101295	9kHz ~ 30MHz	05/Feb/2024	04/Feb/2025
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	27/Feb/2024	26/Feb/2025
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	18/Oct/2023	17/Oct/2024
Software	Sporton	SENSE-EMI	V5.11.3	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	9kHz~40GHz	02/Feb/2024	01/Feb/2025
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	20/Oct/2023	19/Oct/2024
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	15/Dec/2023	14/Dec/2024
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	15/Dec/2023	14/Dec/2024
SENSE-15247_DTS	Sporton	V5.11.17	N/A	N/A	N/A	N/A

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	29/Jul/2023	28/Jul/2024
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	28/Jul/2023	27/Jul/2024
EMI Test Receiver	R&S	ESR	102052	9kHz~3.6GHz	26/May/2023	25/May/2024
Signal Analyzer	ROHDE& SCHWARZ	FSV3044	101345	10Hz~44GHz	10/Aug/2023	09/Aug/2024
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	23/Mar/2023	22/Mar/2024
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	19/Mar/2024	18/Mar/2025
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	27/Aug/2023	26/Aug/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz~18GHz	23/Sep/2023	22/Sep/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	21/Aug/2023	20/Aug/2024
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	9kHz~30MHz	19/Dec/2023	18/Dec/2024
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	30MHz~1GHz	19/Dec/2023	18/Dec/2024
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX 104	03CH02-cable-01	1GHz~40GHz	15/Feb/2024	14/Feb/2025
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	27/Jun/2023	26/Jun/2024
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	24/Oct/2023	23/Oct/2024
Amplifier	EM	EM18G40GA	060874	18GHz ~40GHz	18/Aug/2023	17/Aug/2024
SENSE-15.247-DTS	Sporton	V5.11.17	NA	NA	NA	NA

Instrument for Radiated Test (Co-location)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	28/Jul/2023	27/Jul/2024
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101345	10Hz~44GHz	10/Aug/2023	09/Aug/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz~18GHz	23/Sep/2023	22/Sep/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	21/Aug/2023	20/Aug/2024
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX 104	03CH02-cable-01	1GHz~40GHz	15/Feb/2024	14/Feb/2025
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	24/Oct/2023	23/Oct/2024
Amplifier	EM	EM18G40GA	060874	18GHz ~40GHz	18/Aug/2023	17/Aug/2024
SENSE-EMI	Sporton	V5.11.3	NA	NA	NA	NA

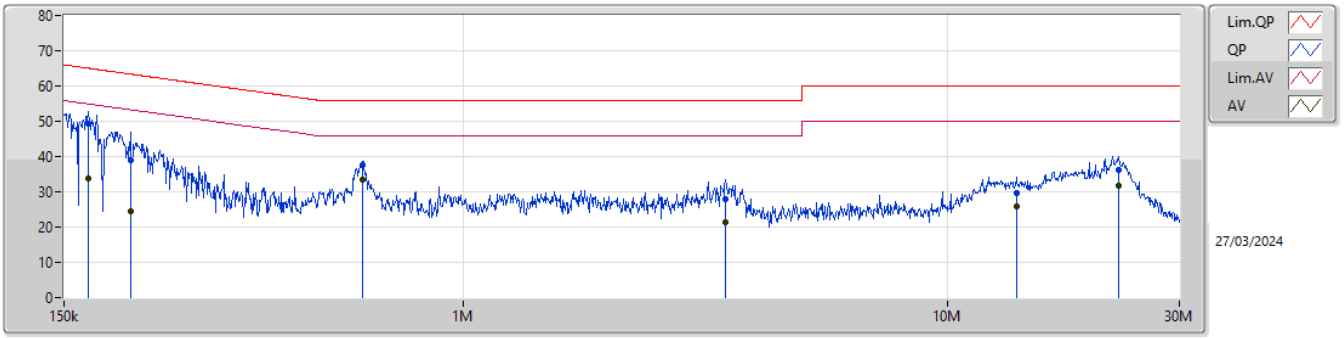
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	618.813k	33.40	46.00	-12.60	Line

Result

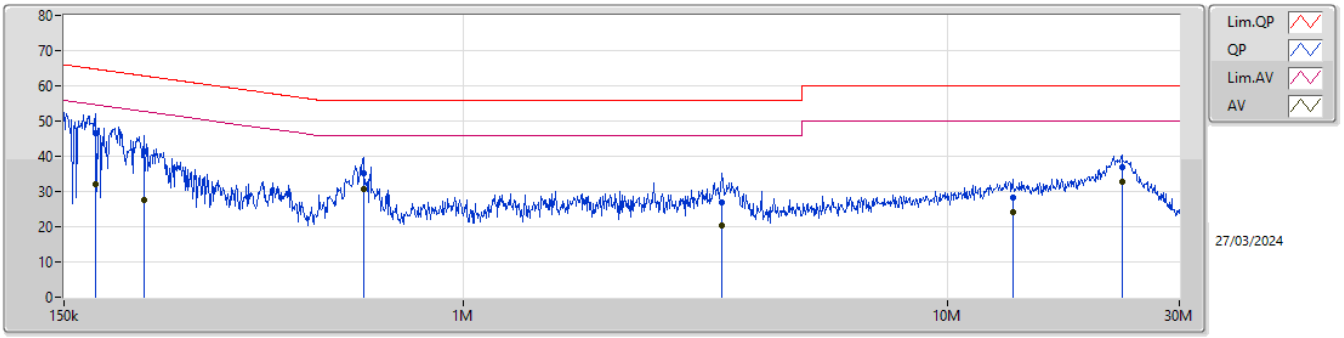
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	168.41k	49.29	65.04	-15.75	Line
Mode 1	Pass	AV	168.41k	33.69	55.04	-21.35	Line
Mode 1	Pass	QP	205.615k	38.98	63.38	-24.40	Line
Mode 1	Pass	AV	205.615k	24.41	53.38	-28.97	Line
Mode 1	Pass	QP	618.813k	37.52	56.00	-18.48	Line
Mode 1	Pass	AV	618.813k	33.40	46.00	-12.60	Line
Mode 1	Pass	QP	3.472M	28.04	56.00	-27.96	Line
Mode 1	Pass	AV	3.472M	21.23	46.00	-24.77	Line
Mode 1	Pass	QP	13.816M	29.77	60.00	-30.23	Line
Mode 1	Pass	AV	13.816M	25.96	50.00	-24.04	Line
Mode 1	Pass	QP	22.485M	36.12	60.00	-23.88	Line
Mode 1	Pass	AV	22.485M	31.85	50.00	-18.15	Line
Mode 1	Pass	QP	174.571k	46.62	64.74	-18.12	Neutral
Mode 1	Pass	AV	174.571k	32.08	54.74	-22.66	Neutral
Mode 1	Pass	QP	219.176k	41.37	62.85	-21.48	Neutral
Mode 1	Pass	AV	219.176k	27.51	52.85	-25.34	Neutral
Mode 1	Pass	QP	621.288k	35.01	56.00	-20.99	Neutral
Mode 1	Pass	AV	621.288k	30.77	46.00	-15.23	Neutral
Mode 1	Pass	QP	3.417M	27.04	56.00	-28.96	Neutral
Mode 1	Pass	AV	3.417M	20.19	46.00	-25.81	Neutral
Mode 1	Pass	QP	13.597M	28.26	60.00	-31.74	Neutral
Mode 1	Pass	AV	13.597M	24.27	50.00	-25.73	Neutral
Mode 1	Pass	QP	22.847M	36.88	60.00	-23.12	Neutral
Mode 1	Pass	AV	22.847M	32.76	50.00	-17.24	Neutral

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	168.41k	49.29	65.04	-15.75	19.42	Line	-	29.87	9.61	0.08	9.73
AV	168.41k	33.69	55.04	-21.35	19.42	Line	-	14.27	9.61	0.08	9.73
QP	205.615k	38.98	63.38	-24.40	19.38	Line	-	19.60	9.61	0.09	9.68
AV	205.615k	24.41	53.38	-28.97	19.38	Line	-	5.03	9.61	0.09	9.68
QP	618.813k	37.52	56.00	-18.48	19.50	Line	-	18.02	9.61	0.11	9.78
AV	618.813k	33.40	46.00	-12.60	19.50	Line	-	13.90	9.61	0.11	9.78
QP	3.472M	28.04	56.00	-27.96	19.51	Line	-	8.53	9.64	0.08	9.79
AV	3.472M	21.23	46.00	-24.77	19.51	Line	-	1.72	9.64	0.08	9.79
QP	13.816M	29.77	60.00	-30.23	19.53	Line	-	10.24	9.63	0.08	9.82
AV	13.816M	25.96	50.00	-24.04	19.53	Line	-	6.43	9.63	0.08	9.82
QP	22.485M	36.12	60.00	-23.88	19.53	Line	-	16.59	9.56	0.13	9.84
AV	22.485M	31.85	50.00	-18.15	19.53	Line	-	12.32	9.56	0.13	9.84

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	174.571k	46.62	64.74	-18.12	19.41	Neutral	-	27.21	9.61	0.08	9.72
AV	174.571k	32.08	54.74	-22.66	19.41	Neutral	-	12.67	9.61	0.08	9.72
QP	219.176k	41.37	62.85	-21.48	19.39	Neutral	-	21.98	9.61	0.09	9.69
AV	219.176k	27.51	52.85	-25.34	19.39	Neutral	-	8.12	9.61	0.09	9.69
QP	621.288k	35.01	56.00	-20.99	19.50	Neutral	-	15.51	9.61	0.11	9.78
AV	621.288k	30.77	46.00	-15.23	19.50	Neutral	-	11.27	9.61	0.11	9.78
QP	3.417M	27.04	56.00	-28.96	19.51	Neutral	-	7.53	9.64	0.08	9.79
AV	3.417M	20.19	46.00	-25.81	19.51	Neutral	-	0.68	9.64	0.08	9.79
QP	13.597M	28.26	60.00	-31.74	19.59	Neutral	-	8.67	9.69	0.08	9.82
AV	13.597M	24.27	50.00	-25.73	19.59	Neutral	-	4.68	9.69	0.08	9.82
QP	22.847M	36.88	60.00	-23.12	19.66	Neutral	-	17.22	9.69	0.13	9.84
AV	22.847M	32.76	50.00	-17.24	19.66	Neutral	-	13.10	9.69	0.13	9.84

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)_2TX	8.575M	13.402M	13M4G1D	7.65M	13.063M
802.11g_Nss1,(6Mbps)_2TX	16.325M	16.742M	16M7D1D	11.95M	16.426M
802.11be EHT20_Nss1,(MCS0)_2TX	19M	19.11M	19M1D1D	17.9M	18.886M
802.11be EHT40_Nss1,(MCS0)_2TX	37.5M	37.828M	37M8D1D	33.55M	37.56M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

Result

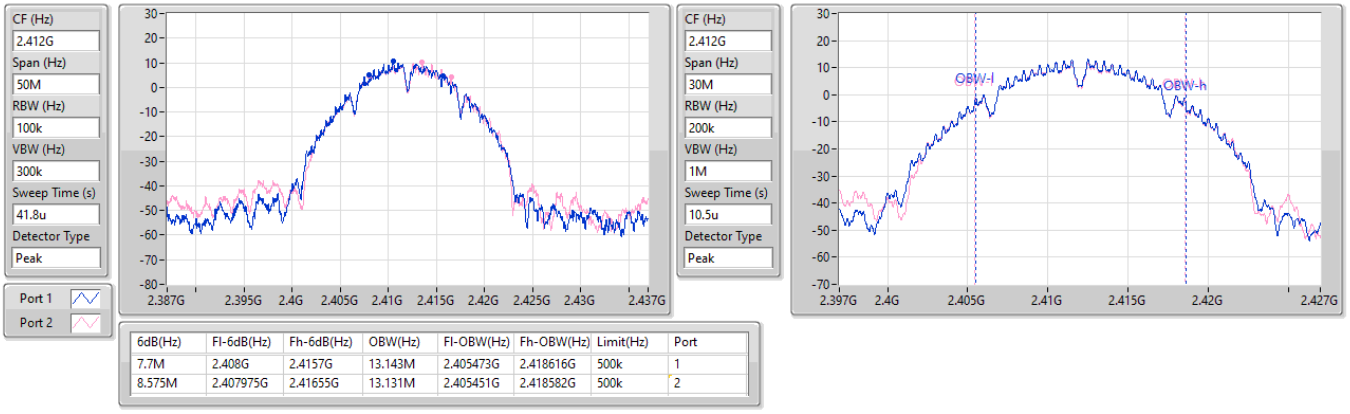
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.7M	13.143M	8.575M	13.131M
2437MHz	Pass	500k	8.025M	13.063M	7.65M	13.402M
2462MHz	Pass	500k	8.025M	13.109M	8.05M	13.254M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	11.95M	16.742M	16.325M	16.555M
2437MHz	Pass	500k	16.325M	16.663M	16.325M	16.535M
2462MHz	Pass	500k	16.325M	16.426M	15.675M	16.578M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.6M	18.941M	19M	19.11M
2437MHz	Pass	500k	18.6M	18.886M	18.65M	19M
2462MHz	Pass	500k	17.9M	18.898M	18.7M	18.997M
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.15M	37.681M	33.55M	37.74M
2437MHz	Pass	500k	37M	37.56M	34.45M	37.72M
2452MHz	Pass	500k	34.9M	37.798M	37.5M	37.828M

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)_2TX **EBW**

2412MHz

25/03/2024

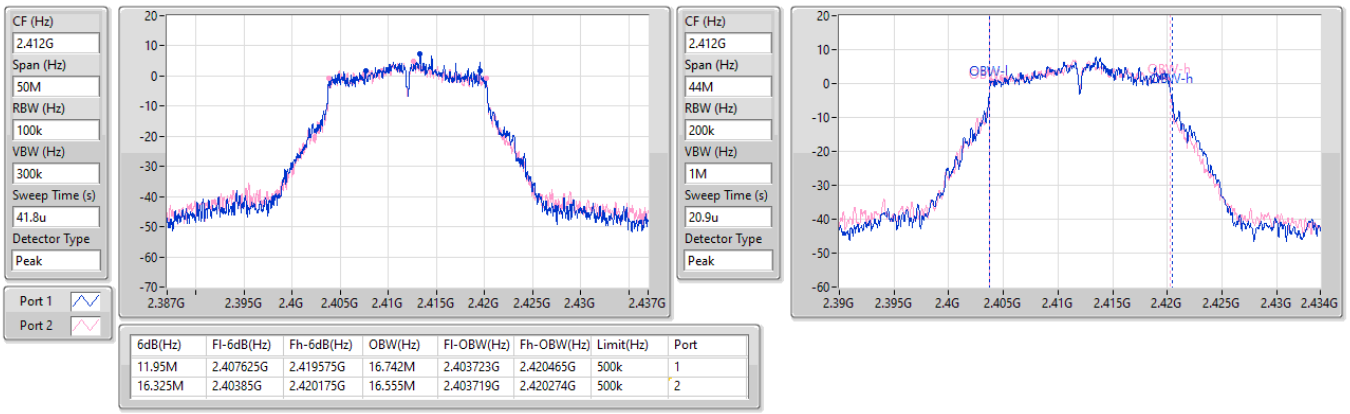


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.7M	2.408G	2.4157G	13.143M	2.405473G	2.418616G	500k	1
8.575M	2.407975G	2.41655G	13.131M	2.405451G	2.418582G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2412MHz

25/03/2024

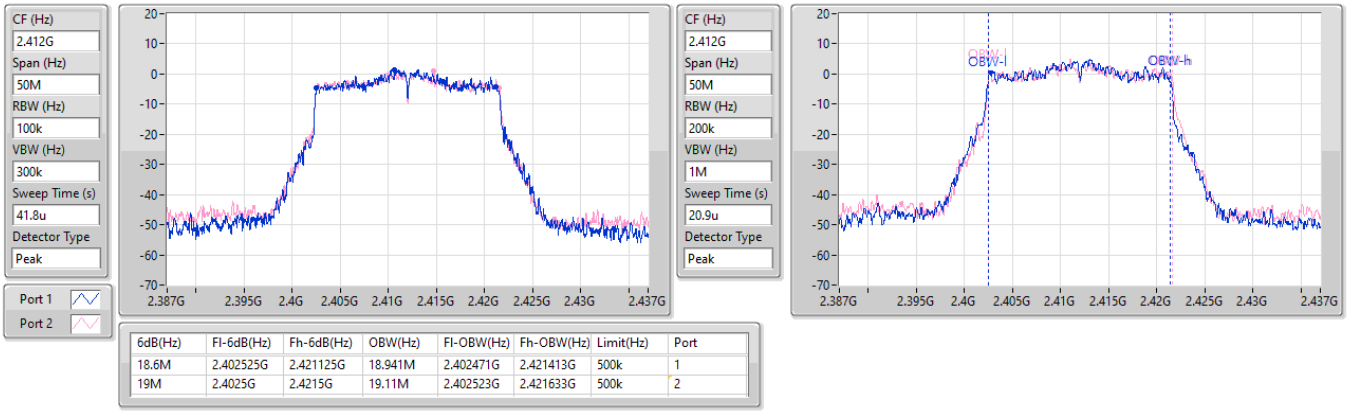


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
11.95M	2.407625G	2.419575G	16.742M	2.403723G	2.420465G	500k	1
16.325M	2.40385G	2.420175G	16.555M	2.403719G	2.420274G	500k	2

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX **EBW**

2412MHz

25/03/2024

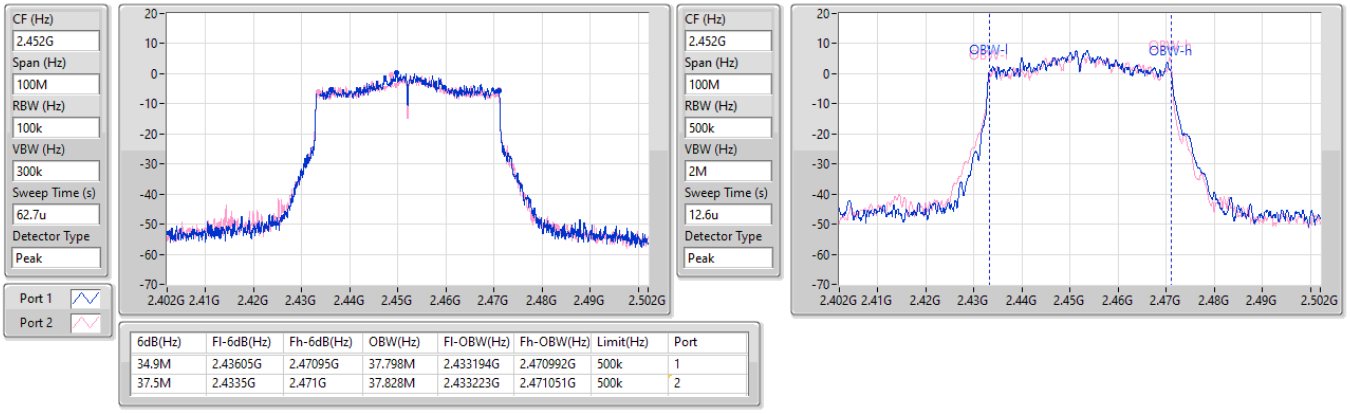


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.6M	2.402525G	2.421125G	18.941M	2.402471G	2.421413G	500k	1
19M	2.4025G	2.4215G	19.11M	2.402523G	2.421633G	500k	2

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX **EBW**

2452MHz

25/03/2024



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.9M	2.43605G	2.47095G	37.798M	2.433194G	2.470992G	500k	1
37.5M	2.4335G	2.471G	37.828M	2.433223G	2.471051G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	24.01	0.25177
802.11g_Nss1,(6Mbps)_2TX	23.63	0.23067
802.11be EHT20_Nss1,(MCS0)_2TX	23.45	0.22131
802.11be EHT40_Nss1,(MCS0)_2TX	19.60	0.09120

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.12	20.77	20.67	23.73	30.00
2437MHz	Pass	3.12	21.15	20.85	24.01	30.00
2457MHz	Pass	3.12	21.02	20.77	23.91	30.00
2462MHz	Pass	3.12	19.73	19.93	22.84	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.12	17.78	17.68	20.74	30.00
2417MHz	Pass	3.12	18.62	18.36	21.50	30.00
2437MHz	Pass	3.12	20.65	20.59	23.63	30.00
2457MHz	Pass	3.12	18.98	18.69	21.85	30.00
2462MHz	Pass	3.12	17.04	16.75	19.91	30.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.12	15.51	15.10	18.32	30.00
2417MHz	Pass	3.12	18.79	18.49	21.65	30.00
2437MHz	Pass	3.12	20.46	20.41	23.45	30.00
2457MHz	Pass	3.12	17.64	17.08	20.38	30.00
2462MHz	Pass	3.12	15.01	15.01	18.02	30.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.12	14.80	14.31	17.57	30.00
2427MHz	Pass	3.12	14.83	14.31	17.59	30.00
2437MHz	Pass	3.12	16.78	16.39	19.60	30.00
2447MHz	Pass	3.12	15.29	15.92	18.63	30.00
2452MHz	Pass	3.12	16.34	15.75	19.07	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11be EHT20-BF_Nss1,(MCS0)_2TX	23.42	0.21979
802.11be EHT40-BF_Nss1,(MCS0)_2TX	19.57	0.09057

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.52	15.46	15.05	18.27	30.00
2417MHz	Pass	4.52	18.77	18.47	21.63	30.00
2437MHz	Pass	4.52	20.43	20.38	23.42	30.00
2457MHz	Pass	4.52	17.59	17.03	20.33	30.00
2462MHz	Pass	4.52	14.97	14.97	17.98	30.00
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.52	14.77	14.28	17.54	30.00
2427MHz	Pass	4.52	14.79	14.27	17.55	30.00
2437MHz	Pass	4.52	16.75	16.36	19.57	30.00
2447MHz	Pass	4.52	15.28	15.91	18.62	30.00
2452MHz	Pass	4.52	16.31	15.72	19.04	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-1.40
802.11g_Nss1,(6Mbps)_2TX	-3.31
802.11be EHT20_Nss1,(MCS0)_2TX	-2.55
802.11be EHT40_Nss1,(MCS0)_2TX	-10.02

RBW = 3kHz;

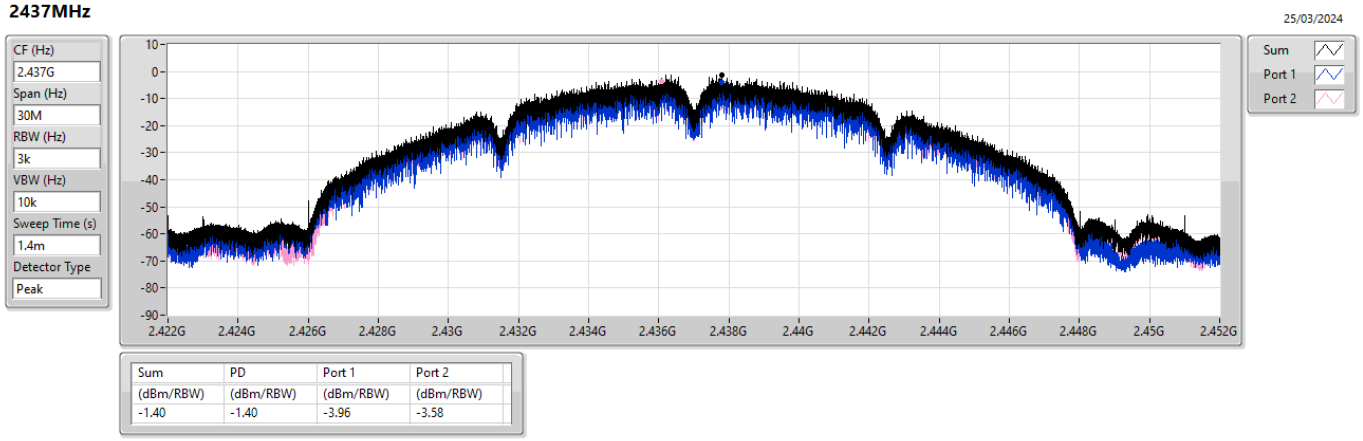
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.52	-4.26	-4.74	-1.53	8.00
2437MHz	Pass	4.52	-3.96	-3.58	-1.40	8.00
2462MHz	Pass	4.52	-4.50	-4.92	-2.37	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.52	-9.04	-7.93	-5.59	8.00
2437MHz	Pass	4.52	-4.76	-4.86	-3.31	8.00
2462MHz	Pass	4.52	-8.57	-8.72	-6.71	8.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.52	-10.31	-9.48	-8.01	8.00
2437MHz	Pass	4.52	-4.66	-5.05	-2.55	8.00
2462MHz	Pass	4.52	-10.55	-10.61	-8.66	8.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.52	-13.91	-14.62	-12.07	8.00
2437MHz	Pass	4.52	-11.30	-11.40	-10.02	8.00
2452MHz	Pass	4.52	-12.42	-12.31	-10.61	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)_2TX **PSD**

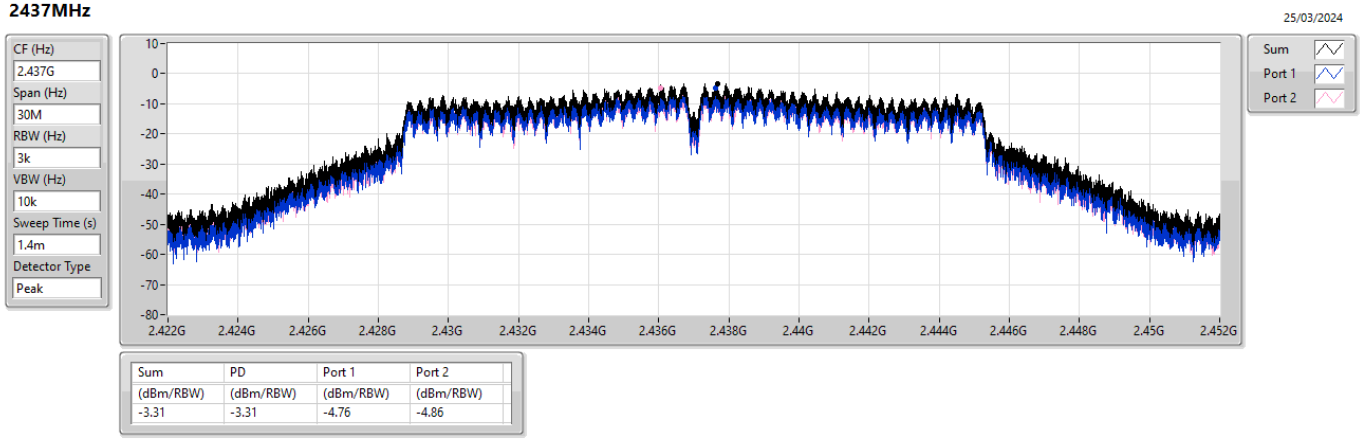
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.40	-1.40	-3.96	-3.58

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

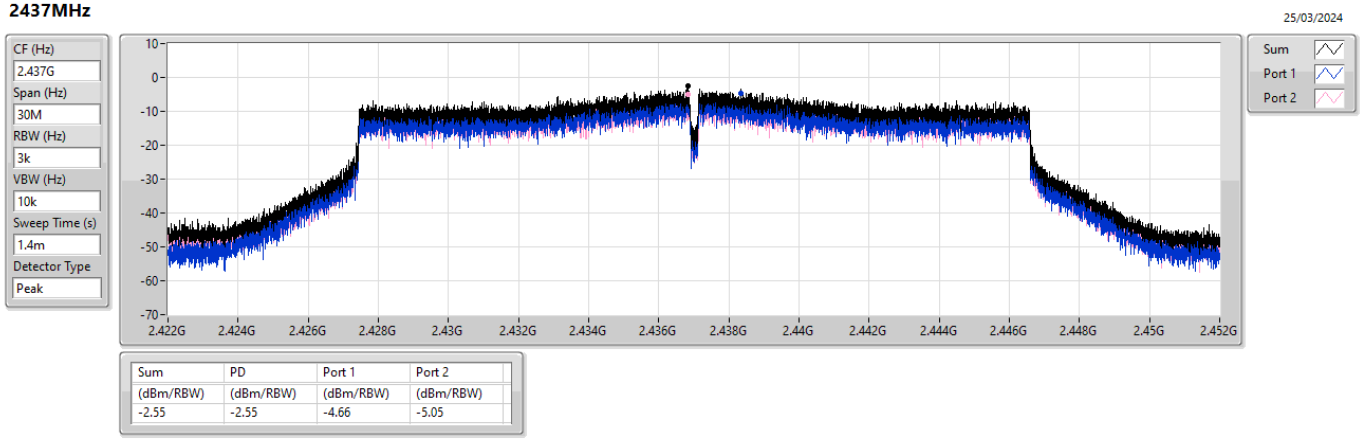
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.31	-3.31	-4.76	-4.86

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX **PSD**

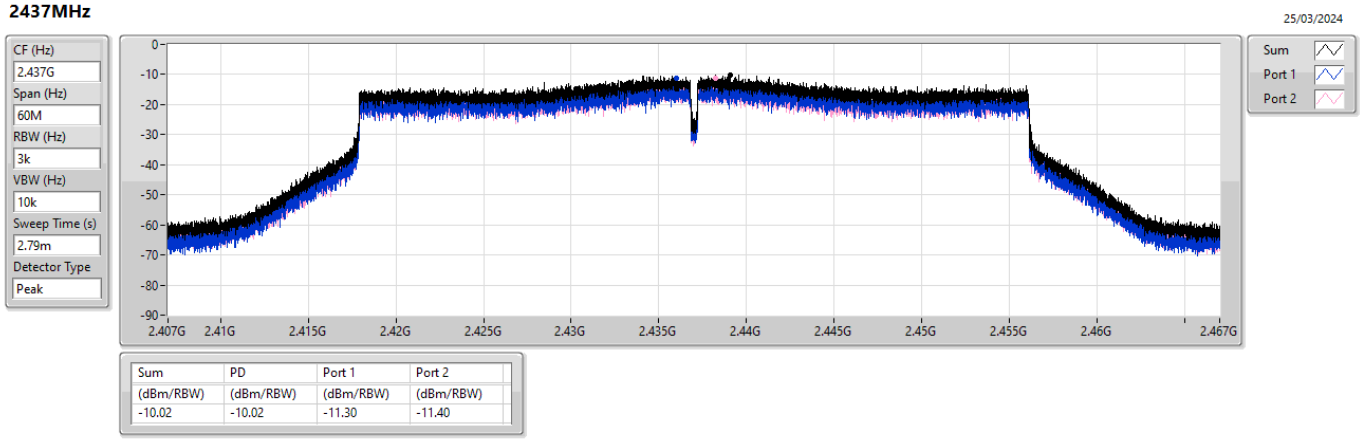
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.55	-2.55	-4.66	-5.05

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX **PSD**

2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.02	-10.02	-11.30	-11.40

Summary

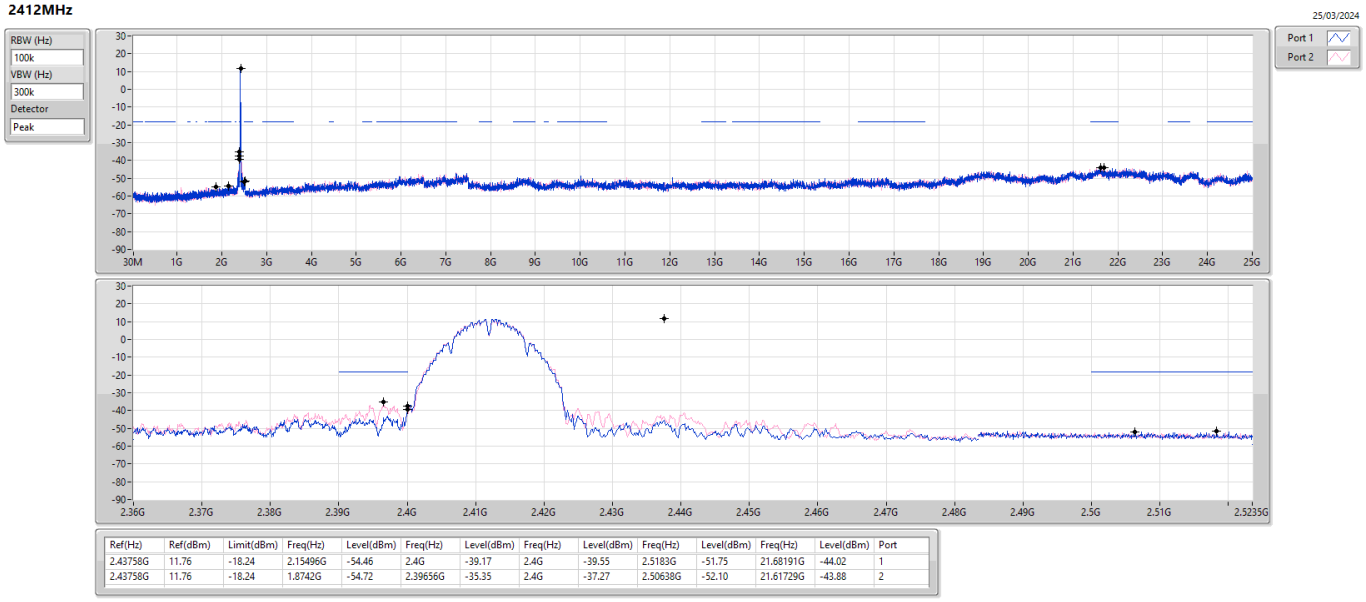
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43758G	11.76	-18.24	1.8742G	-54.72	2.39656G	-35.35	2.4G	-37.27	2.50638G	-52.10	21.61729G	-43.88	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43574G	11.06	-18.94	2.17943G	-54.93	2.4G	-27.10	2.4G	-25.51	2.51654G	-51.79	21.56952G	-44.52	1
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	2.43808G	9.77	-20.23	2.19108G	-54.53	2.3996G	-27.58	2.4G	-27.97	2.52214G	-52.34	21.9741G	-43.86	2
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	2.4344G	3.57	-26.43	1.9204G	-52.94	2.4G	-30.21	2.4G	-30.74	2.51166G	-53.17	21.52515G	-44.49	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)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43758G	11.76	-18.24	2.15496G	-54.46	2.4G	-39.17	2.4G	-39.55	2.5183G	-51.75	21.68191G	-44.02	1
2412MHz	Pass	2.43758G	11.76	-18.24	1.8742G	-54.72	2.39656G	-35.35	2.4G	-37.27	2.50638G	-52.10	21.61729G	-43.88	2
2437MHz	Pass	2.43758G	11.76	-18.24	1.90915G	-54.46	2.39616G	-50.33	2.4G	-54.33	2.50054G	-50.98	21.53862G	-43.65	1
2437MHz	Pass	2.43758G	11.76	-18.24	2.17477G	-55.08	2.3972G	-46.93	2.4G	-52.75	2.50926G	-51.64	21.65381G	-45.04	2
2462MHz	Pass	2.43758G	11.76	-18.24	2.06875G	-54.81	2.4G	-51.18	2.4G	-51.55	2.51254G	-49.39	21.66786G	-44.28	1
2462MHz	Pass	2.43758G	11.76	-18.24	2.15496G	-55.18	2.39312G	-51.96	2.4G	-54.60	2.51022G	-49.29	21.62572G	-43.91	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	11.06	-18.94	2.17943G	-54.93	2.4G	-27.10	2.4G	-25.51	2.51654G	-51.79	21.56952G	-44.52	1
2412MHz	Pass	2.43574G	11.06	-18.94	2.09322G	-54.31	2.39976G	-28.54	2.4G	-26.77	2.50582G	-51.57	21.99939G	-44.38	2
2437MHz	Pass	2.43574G	11.06	-18.94	2.13283G	-54.02	2.39984G	-43.56	2.4G	-43.52	2.5003G	-50.48	21.83362G	-42.92	1
2437MHz	Pass	2.43574G	11.06	-18.94	2.14448G	-54.58	2.39888G	-40.99	2.4G	-42.80	2.50006G	-49.66	21.56671G	-44.79	2
2462MHz	Pass	2.43574G	11.06	-18.94	1.86837G	-54.37	2.4G	-51.34	2.4G	-53.29	2.50574G	-47.48	21.66224G	-43.78	1
2462MHz	Pass	2.43574G	11.06	-18.94	2.04545G	-54.67	2.39448G	-51.72	2.4G	-54.87	2.50326G	-47.79	21.55548G	-44.09	2
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43808G	9.77	-20.23	2.06176G	-54.91	2.4G	-27.75	2.4G	-30.00	2.51902G	-52.38	21.54143G	-44.60	1
2412MHz	Pass	2.43808G	9.77	-20.23	2.19108G	-54.53	2.3996G	-27.58	2.4G	-27.97	2.52214G	-52.34	21.9741G	-43.86	2
2437MHz	Pass	2.43808G	9.77	-20.23	2.16195G	-53.77	2.39872G	-40.18	2.4G	-40.89	2.50078G	-49.81	21.61167G	-43.68	1
2437MHz	Pass	2.43808G	9.77	-20.23	2.17477G	-54.33	2.3984G	-40.16	2.4G	-40.95	2.50222G	-49.68	21.56671G	-43.10	2
2462MHz	Pass	2.43808G	9.77	-20.23	2.15962G	-53.58	2.4G	-51.73	2.4G	-52.56	2.5059G	-49.96	21.54143G	-43.51	1
2462MHz	Pass	2.43808G	9.77	-20.23	2.1503G	-53.61	2.39088G	-51.98	2.4G	-55.39	2.50318G	-49.83	21.60324G	-44.41	2
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4344G	3.57	-26.43	1.9204G	-52.94	2.4G	-30.21	2.4G	-30.74	2.51166G	-53.17	21.52515G	-44.49	1
2422MHz	Pass	2.4344G	3.57	-26.43	2.30741G	-54.49	2.39984G	-30.86	2.4G	-31.44	2.50254G	-52.42	21.5588G	-44.55	2
2437MHz	Pass	2.4344G	3.57	-26.43	2.18947G	-54.08	2.39776G	-41.59	2.4G	-43.80	2.50606G	-51.58	21.59807G	-44.09	1
2437MHz	Pass	2.4344G	3.57	-26.43	1.94902G	-54.03	2.39952G	-40.03	2.4G	-44.81	2.50782G	-52.67	21.60367G	-44.18	2
2452MHz	Pass	2.4344G	3.57	-26.43	2.11276G	-53.99	2.39984G	-47.99	2.4G	-49.35	2.50478G	-49.61	21.6794G	-43.88	1
2452MHz	Pass	2.4344G	3.57	-26.43	2.17115G	-54.40	2.39968G	-49.74	2.4G	-51.10	2.50174G	-49.74	21.56441G	-44.51	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX CSENdB

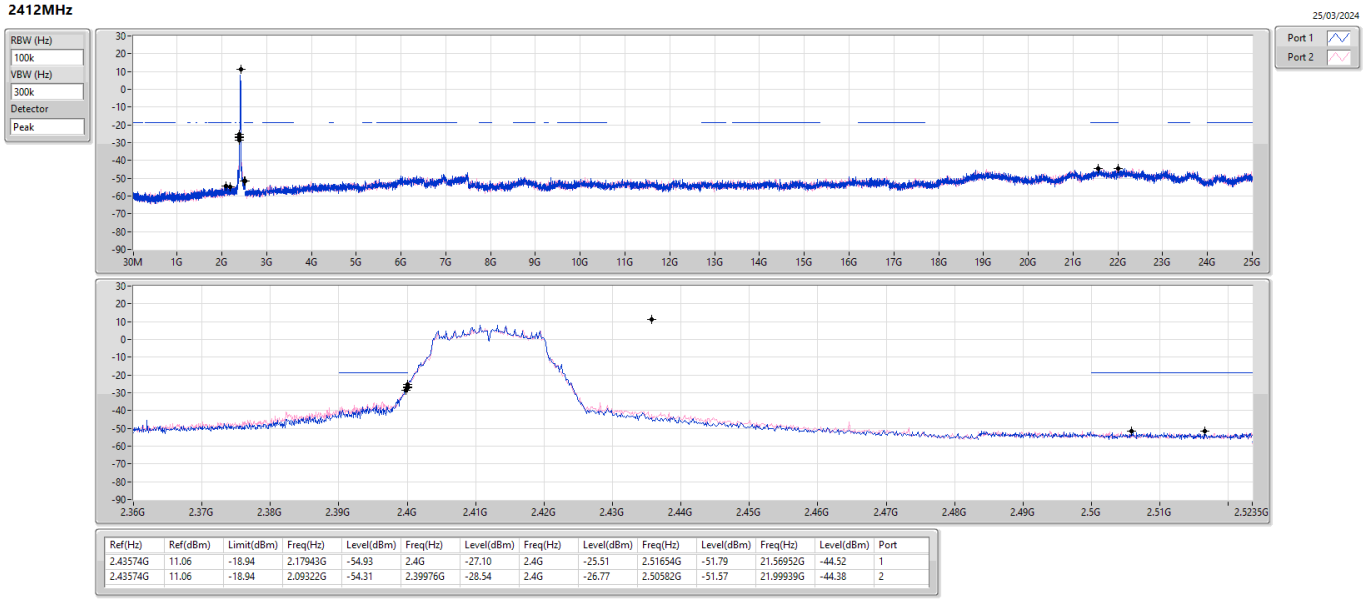
2412MHz



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
2.43758G	11.76	-18.24	2.15496G	-54.46	2.4G	-39.17	2.4G	-39.55	2.5183G	-51.75	21.68191G	-44.02	1
2.43758G	11.76	-18.24	1.8742G	-54.72	2.39656G	-35.35	2.4G	-37.27	2.50638G	-52.10	21.61729G	-43.88	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX CSENdB

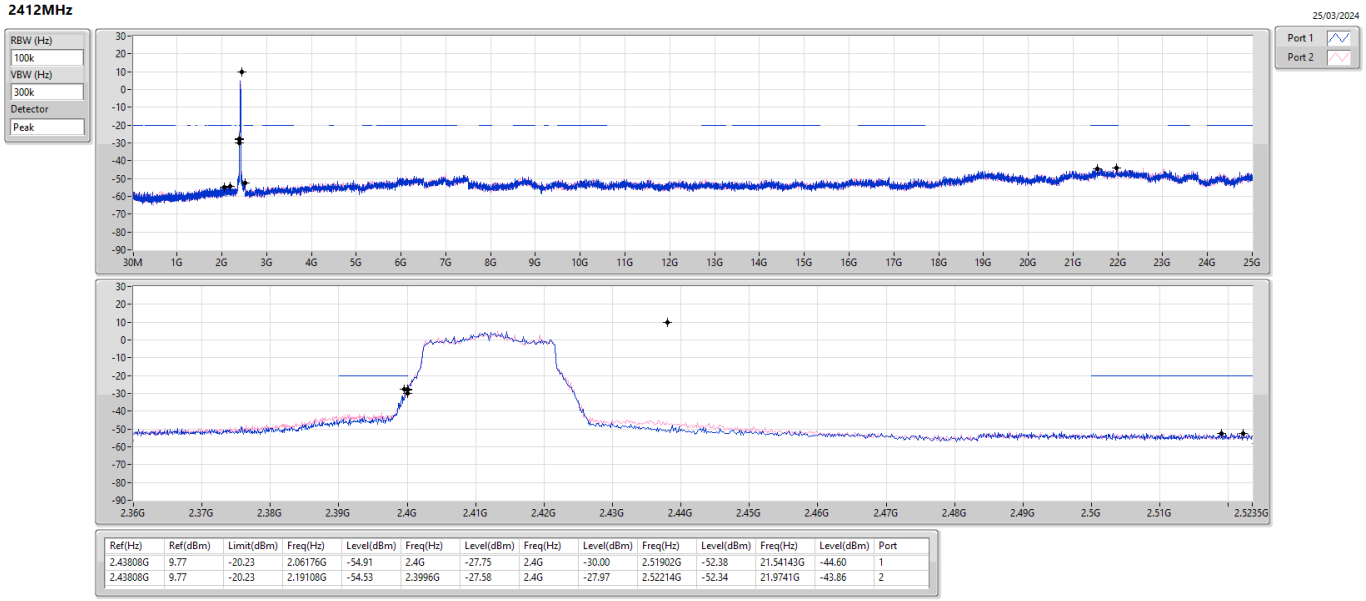
2412MHz



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	11.06	-18.94	2.17943G	-54.93	2.4G	-27.10	2.4G	-25.51	2.51654G	-51.79	21.56952G	-44.52	1
2.43574G	11.06	-18.94	2.09322G	-54.31	2.39976G	-28.54	2.4G	-26.77	2.50582G	-51.57	21.99939G	-44.38	2

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX CSENdB

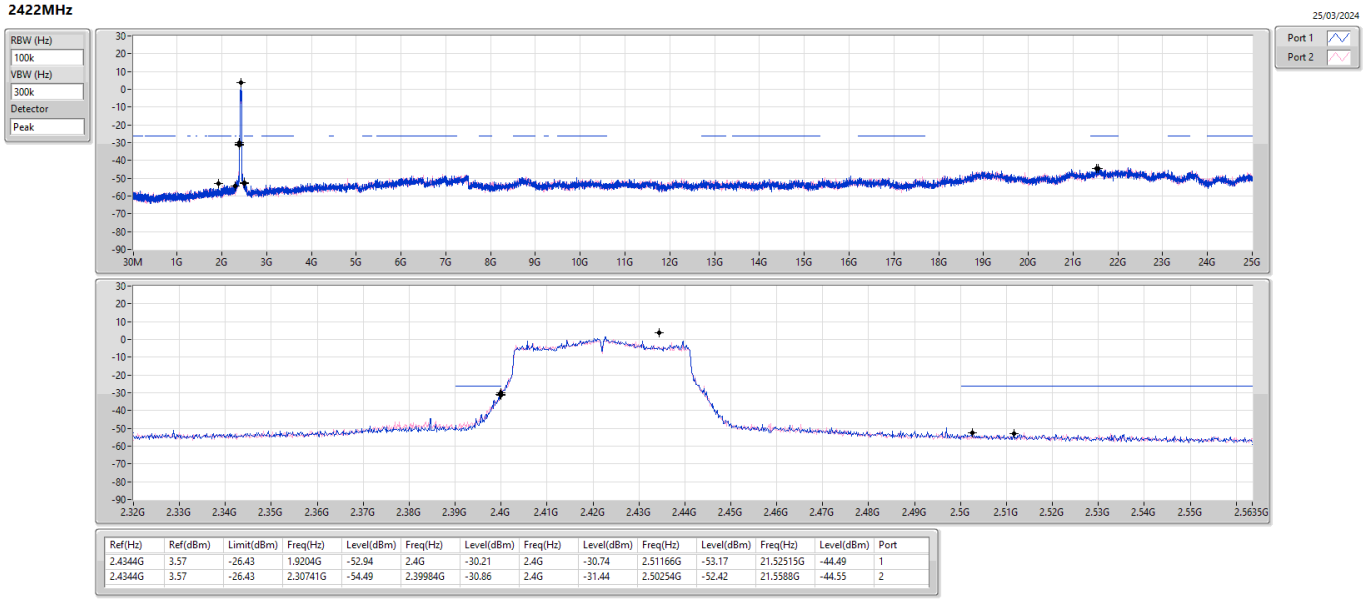
2412MHz



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
2.43808G	9.77	-20.23	2.06176G	-54.91	2.4G	-27.75	2.4G	-30.00	2.51902G	-52.38	21.54143G	-44.60	1
2.43808G	9.77	-20.23	2.19108G	-54.53	2.3996G	-27.58	2.4G	-27.97	2.52214G	-52.34	21.9741G	-43.86	2

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX 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
2.4344G	3.57	-26.43	1.9204G	-52.94	2.4G	-30.21	2.4G	-30.74	2.51166G	-53.17	21.52515G	-44.49	1
2.4344G	3.57	-26.43	2.30741G	-54.49	2.39984G	-30.86	2.4G	-31.44	2.50254G	-52.42	21.5588G	-44.55	2

Summary

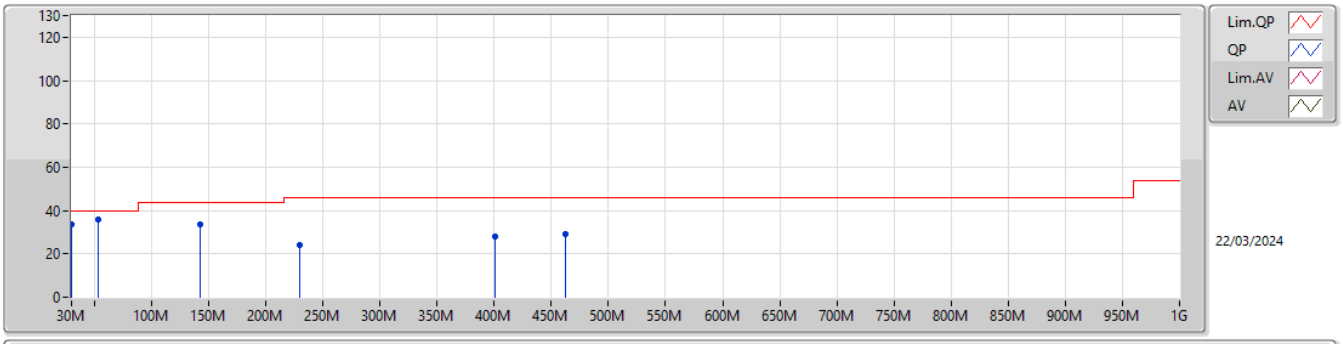
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	PK	53.28M	35.72	40.00	-4.28	3	Vertical	360	3.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	30M	33.77	40.00	-6.23	3	Vertical	360	3.00
2437MHz	Pass	PK	53.28M	35.72	40.00	-4.28	3	Vertical	360	3.00
2437MHz	Pass	PK	142.52M	33.73	43.50	-9.77	3	Vertical	360	3.00
2437MHz	Pass	PK	229.82M	23.99	46.00	-22.01	3	Vertical	360	3.00
2437MHz	Pass	PK	400.54M	28.28	46.00	-17.72	3	Vertical	360	3.00
2437MHz	Pass	PK	462.62M	28.92	46.00	-17.08	3	Vertical	360	3.00
2437MHz	Pass	PK	41.64M	31.81	40.00	-8.19	3	Horizontal	0	3.00
2437MHz	Pass	PK	76.56M	30.21	40.00	-9.79	3	Horizontal	0	3.00
2437MHz	Pass	PK	148.34M	36.58	43.50	-6.92	3	Horizontal	0	3.00
2437MHz	Pass	PK	229.82M	29.53	46.00	-16.47	3	Horizontal	0	3.00
2437MHz	Pass	PK	330.7M	27.94	46.00	-18.06	3	Horizontal	0	3.00
2437MHz	Pass	PK	402.48M	29.80	46.00	-16.20	3	Horizontal	0	3.00

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

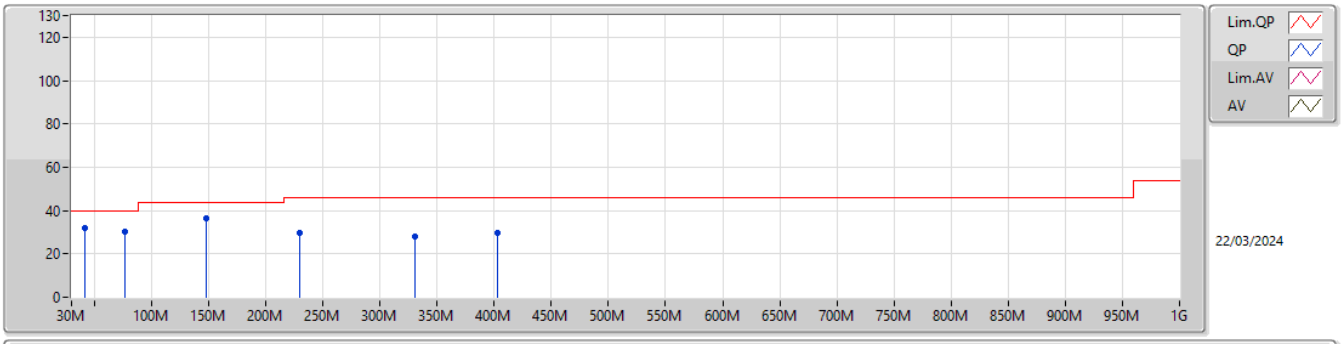
2437MHz_PoE



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
PK	30M	33.77	40.00	-6.23	-3.19	3	Vertical	360	3.00	36.96	22.98	1.23	27.40
PK	53.28M	35.72	40.00	-4.28	-13.06	3	Vertical	360	3.00	48.78	12.42	1.59	27.07
PK	142.52M	33.73	43.50	-9.77	-9.25	3	Vertical	360	3.00	42.98	16.08	2.43	27.76
PK	229.82M	23.99	46.00	-22.01	-8.96	3	Vertical	360	3.00	32.95	15.24	3.12	27.32
PK	400.54M	28.28	46.00	-17.72	-2.73	3	Vertical	360	3.00	31.01	20.96	4.23	27.92
PK	462.62M	28.92	46.00	-17.08	-1.43	3	Vertical	360	3.00	30.35	22.26	4.66	28.35

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2437MHz_PoE



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
PK	41.64M	31.81	40.00	-8.19	-7.91	3	Horizontal	0	3.00	39.72	17.36	1.41	26.68
PK	76.56M	30.21	40.00	-9.79	-14.28	3	Horizontal	0	3.00	44.49	11.73	1.74	27.75
PK	148.34M	36.58	43.50	-6.92	-9.52	3	Horizontal	0	3.00	46.10	15.74	2.48	27.74
PK	229.82M	29.53	46.00	-16.47	-8.96	3	Horizontal	0	3.00	38.49	15.24	3.12	27.32
PK	330.7M	27.94	46.00	-18.06	-4.85	3	Horizontal	0	3.00	32.79	18.84	3.78	27.47
PK	402.48M	29.80	46.00	-16.20	-2.61	3	Horizontal	0	3.00	32.41	21.08	4.25	27.94

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	2.388G	53.30	54.00	-0.70	3	Horizontal	356	1.43
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.39G	53.90	54.00	-0.10	3	Horizontal	48	1.13
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	AV	2.39G	53.32	54.00	-0.68	3	Horizontal	46	1.08
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	AV	2.3878G	53.88	54.00	-0.12	3	Horizontal	348	1.62

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3866G	50.12	54.00	-3.88	3	Vertical	349	2.00
2412MHz	Pass	AV	2.4112G	110.86	Inf	-Inf	3	Vertical	349	2.00
2412MHz	Pass	PK	2.3716G	59.99	74.00	-14.01	3	Vertical	349	2.00
2412MHz	Pass	PK	2.4112G	113.24	Inf	-Inf	3	Vertical	349	2.00
2412MHz	Pass	AV	2.388G	53.30	54.00	-0.70	3	Horizontal	356	1.43
2412MHz	Pass	AV	2.4138G	115.14	Inf	-Inf	3	Horizontal	356	1.43
2412MHz	Pass	PK	2.388G	62.31	74.00	-11.69	3	Horizontal	356	1.43
2412MHz	Pass	PK	2.4136G	117.44	Inf	-Inf	3	Horizontal	356	1.43
2412MHz	Pass	AV	4.824G	40.32	54.00	-13.68	3	Vertical	47	1.46
2412MHz	Pass	PK	4.824G	45.82	74.00	-28.18	3	Vertical	47	1.46
2412MHz	Pass	AV	4.824G	49.55	54.00	-4.45	3	Horizontal	356	1.58
2412MHz	Pass	PK	4.824G	51.92	74.00	-22.08	3	Horizontal	356	1.58
2437MHz	Pass	AV	2.3886G	48.42	54.00	-5.58	3	Vertical	349	3.00
2437MHz	Pass	AV	2.4358G	110.39	Inf	-Inf	3	Vertical	349	3.00
2437MHz	Pass	AV	2.4898G	48.28	54.00	-5.72	3	Vertical	349	3.00
2437MHz	Pass	PK	2.3842G	59.58	74.00	-14.42	3	Vertical	349	3.00
2437MHz	Pass	PK	2.4362G	112.87	Inf	-Inf	3	Vertical	349	3.00
2437MHz	Pass	PK	2.4902G	60.16	74.00	-13.84	3	Vertical	349	3.00
2437MHz	Pass	AV	2.3886G	50.48	54.00	-3.52	3	Horizontal	0	1.52
2437MHz	Pass	AV	2.4362G	117.42	Inf	-Inf	3	Horizontal	0	1.52
2437MHz	Pass	AV	2.4874G	49.42	54.00	-4.58	3	Horizontal	0	1.52
2437MHz	Pass	PK	2.3882G	60.14	74.00	-13.86	3	Horizontal	0	1.52
2437MHz	Pass	PK	2.4362G	119.81	Inf	-Inf	3	Horizontal	0	1.52
2437MHz	Pass	PK	2.4862G	60.62	74.00	-13.38	3	Horizontal	0	1.52
2437MHz	Pass	AV	4.874G	45.25	54.00	-8.75	3	Vertical	55	2.69
2437MHz	Pass	AV	7.3092G	44.03	54.00	-9.97	3	Vertical	338	1.76
2437MHz	Pass	PK	4.87394G	49.38	74.00	-24.62	3	Vertical	55	2.69
2437MHz	Pass	PK	7.30908G	50.79	74.00	-23.21	3	Vertical	338	1.76
2437MHz	Pass	AV	4.874G	49.71	54.00	-4.29	3	Horizontal	353	1.31
2437MHz	Pass	AV	7.30926G	44.88	54.00	-9.12	3	Horizontal	323	1.75
2437MHz	Pass	PK	4.874G	52.28	74.00	-21.72	3	Horizontal	353	1.31
2437MHz	Pass	PK	7.30902G	51.46	74.00	-22.54	3	Horizontal	323	1.75
2457MHz	Pass	AV	2.4558G	108.69	Inf	-Inf	3	Vertical	347	1.74
2457MHz	Pass	AV	2.484G	48.95	54.00	-5.05	3	Vertical	347	1.74
2457MHz	Pass	PK	2.456G	111.12	Inf	-Inf	3	Vertical	347	1.74
2457MHz	Pass	PK	2.4842G	60.42	74.00	-13.58	3	Vertical	347	1.74
2457MHz	Pass	AV	2.4582G	114.88	Inf	-Inf	3	Horizontal	0	1.01
2457MHz	Pass	AV	2.4852G	52.33	54.00	-1.67	3	Horizontal	0	1.01
2457MHz	Pass	PK	2.458G	117.28	Inf	-Inf	3	Horizontal	0	1.01
2457MHz	Pass	PK	2.4846G	61.83	74.00	-12.17	3	Horizontal	0	1.01
2462MHz	Pass	AV	2.4628G	106.01	Inf	-Inf	3	Vertical	206	1.74
2462MHz	Pass	AV	2.4946G	48.51	54.00	-5.49	3	Vertical	206	1.74
2462MHz	Pass	PK	2.4628G	108.32	Inf	-Inf	3	Vertical	206	1.74
2462MHz	Pass	PK	2.4844G	60.30	74.00	-13.70	3	Vertical	206	1.74
2462MHz	Pass	AV	2.4612G	114.73	Inf	-Inf	3	Horizontal	0	1.45
2462MHz	Pass	AV	2.4866G	52.19	54.00	-1.81	3	Horizontal	0	1.45
2462MHz	Pass	PK	2.4612G	117.07	Inf	-Inf	3	Horizontal	0	1.45
2462MHz	Pass	PK	2.4862G	61.74	74.00	-12.26	3	Horizontal	0	1.45
2462MHz	Pass	AV	4.924G	38.90	54.00	-15.10	3	Vertical	323.9	2.58
2462MHz	Pass	AV	7.38678G	45.24	54.00	-8.76	3	Vertical	12	1.66
2462MHz	Pass	PK	4.92406G	45.45	74.00	-28.55	3	Vertical	323.9	2.58
2462MHz	Pass	PK	7.38684G	51.43	74.00	-22.57	3	Vertical	12	1.66
2462MHz	Pass	AV	4.924G	45.61	54.00	-8.39	3	Horizontal	344	1.25
2462MHz	Pass	AV	7.38528G	45.02	54.00	-8.98	3	Horizontal	33	1.37
2462MHz	Pass	PK	4.92394G	49.61	74.00	-24.39	3	Horizontal	344	1.25
2462MHz	Pass	PK	7.38564G	51.72	74.00	-22.28	3	Horizontal	33	1.37
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3886G	51.28	54.00	-2.72	3	Vertical	345	1.90
2412MHz	Pass	AV	2.4128G	105.13	Inf	-Inf	3	Vertical	345	1.90
2412MHz	Pass	PK	2.3892G	65.95	74.00	-8.05	3	Vertical	345	1.90

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2412MHz	Pass	PK	2.413G	113.06	Inf	-Inf	3	Vertical	345	1.90
2412MHz	Pass	AV	2.39G	53.90	54.00	-0.10	3	Horizontal	48	1.13
2412MHz	Pass	AV	2.4114G	109.58	Inf	-Inf	3	Horizontal	48	1.13
2412MHz	Pass	PK	2.3824G	66.18	74.00	-7.82	3	Horizontal	48	1.13
2412MHz	Pass	PK	2.4112G	117.51	Inf	-Inf	3	Horizontal	48	1.13
2412MHz	Pass	AV	4.82958G	29.74	54.00	-24.26	3	Vertical	45	1.50
2412MHz	Pass	PK	4.82514G	42.34	74.00	-31.66	3	Vertical	45	1.50
2412MHz	Pass	AV	4.82412G	34.39	54.00	-19.61	3	Horizontal	351	1.54
2412MHz	Pass	PK	4.82466G	46.63	74.00	-27.37	3	Horizontal	351	1.54
2417MHz	Pass	AV	2.3886G	49.60	54.00	-4.40	3	Vertical	350	1.89
2417MHz	Pass	AV	2.4178G	105.78	Inf	-Inf	3	Vertical	350	1.89
2417MHz	Pass	PK	2.3878G	62.76	74.00	-11.24	3	Vertical	350	1.89
2417MHz	Pass	PK	2.418G	113.68	Inf	-Inf	3	Vertical	350	1.89
2417MHz	Pass	AV	2.39G	52.83	54.00	-1.17	3	Horizontal	354	1.43
2417MHz	Pass	AV	2.4158G	110.39	Inf	-Inf	3	Horizontal	354	1.43
2417MHz	Pass	PK	2.3804G	64.18	74.00	-9.82	3	Horizontal	354	1.43
2417MHz	Pass	PK	2.4154G	118.65	Inf	-Inf	3	Horizontal	354	1.43
2437MHz	Pass	AV	2.389G	48.83	54.00	-5.17	3	Vertical	349	1.82
2437MHz	Pass	AV	2.4378G	107.64	Inf	-Inf	3	Vertical	349	1.82
2437MHz	Pass	AV	2.4838G	48.95	54.00	-5.05	3	Vertical	349	1.82
2437MHz	Pass	PK	2.3874G	62.59	74.00	-11.41	3	Vertical	349	1.82
2437MHz	Pass	PK	2.4378G	115.53	Inf	-Inf	3	Vertical	349	1.82
2437MHz	Pass	PK	2.4882G	60.63	74.00	-13.37	3	Vertical	349	1.82
2437MHz	Pass	AV	2.3898G	49.62	54.00	-4.38	3	Horizontal	288	1.00
2437MHz	Pass	AV	2.4358G	108.69	Inf	-Inf	3	Horizontal	288	1.00
2437MHz	Pass	AV	2.4866G	49.64	54.00	-4.36	3	Horizontal	288	1.00
2437MHz	Pass	PK	2.3894G	61.04	74.00	-12.96	3	Horizontal	288	1.00
2437MHz	Pass	PK	2.4354G	116.88	Inf	-Inf	3	Horizontal	288	1.00
2437MHz	Pass	PK	2.4858G	63.05	74.00	-10.95	3	Horizontal	288	1.00
2437MHz	Pass	AV	4.87418G	33.32	54.00	-20.68	3	Vertical	51	2.69
2437MHz	Pass	AV	7.31304G	39.45	54.00	-14.55	3	Vertical	333	1.78
2437MHz	Pass	PK	4.87484G	46.70	74.00	-27.30	3	Vertical	51	2.69
2437MHz	Pass	PK	7.3137G	52.39	74.00	-21.61	3	Vertical	333	1.78
2437MHz	Pass	AV	4.874G	36.52	54.00	-17.48	3	Horizontal	349	1.45
2437MHz	Pass	AV	7.31346G	40.52	54.00	-13.48	3	Horizontal	29	1.46
2437MHz	Pass	PK	4.87502G	48.82	74.00	-25.18	3	Horizontal	349	1.45
2437MHz	Pass	PK	7.31358G	52.93	74.00	-21.07	3	Horizontal	29	1.46
2457MHz	Pass	AV	2.4564G	102.82	Inf	-Inf	3	Vertical	141	2.15
2457MHz	Pass	AV	2.4866G	49.64	54.00	-4.36	3	Vertical	141	2.15
2457MHz	Pass	PK	2.4564G	110.72	Inf	-Inf	3	Vertical	141	2.15
2457MHz	Pass	PK	2.4856G	62.15	74.00	-11.85	3	Vertical	141	2.15
2457MHz	Pass	AV	2.4562G	110.11	Inf	-Inf	3	Horizontal	47	1.19
2457MHz	Pass	AV	2.486G	53.50	54.00	-0.50	3	Horizontal	47	1.19
2457MHz	Pass	PK	2.4562G	118.08	Inf	-Inf	3	Horizontal	47	1.19
2457MHz	Pass	PK	2.485G	65.79	74.00	-8.21	3	Horizontal	47	1.19
2462MHz	Pass	AV	2.4612G	100.90	Inf	-Inf	3	Vertical	207	1.82
2462MHz	Pass	AV	2.4856G	48.74	54.00	-5.26	3	Vertical	207	1.82
2462MHz	Pass	PK	2.4608G	108.89	Inf	-Inf	3	Vertical	207	1.82
2462MHz	Pass	PK	2.4986G	60.50	74.00	-13.50	3	Vertical	207	1.82
2462MHz	Pass	AV	2.4626G	109.06	Inf	-Inf	3	Horizontal	5	1.45
2462MHz	Pass	AV	2.4835G	53.05	54.00	-0.95	3	Horizontal	5	1.45
2462MHz	Pass	PK	2.4628G	116.75	Inf	-Inf	3	Horizontal	5	1.45
2462MHz	Pass	PK	2.4835G	66.68	74.00	-7.32	3	Horizontal	5	1.45
2462MHz	Pass	AV	4.92418G	30.77	54.00	-23.23	3	Vertical	308	2.96
2462MHz	Pass	AV	7.38792G	36.71	54.00	-17.29	3	Vertical	11	2.34
2462MHz	Pass	PK	4.91782G	43.46	74.00	-30.54	3	Vertical	308	2.96
2462MHz	Pass	PK	7.38858G	49.88	74.00	-24.12	3	Vertical	11	2.34
2462MHz	Pass	AV	4.92418G	32.61	54.00	-21.39	3	Horizontal	344	1.19
2462MHz	Pass	AV	7.38456G	36.52	54.00	-17.48	3	Horizontal	31	1.29
2462MHz	Pass	PK	4.92364G	45.16	74.00	-28.84	3	Horizontal	344	1.19
2462MHz	Pass	PK	7.39428G	49.46	74.00	-24.54	3	Horizontal	31	1.29
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-

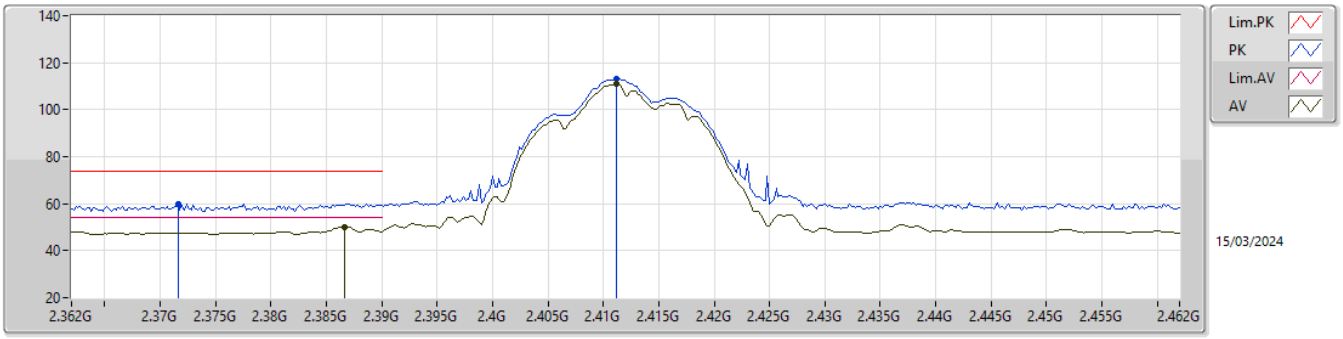
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2412MHz	Pass	AV	2.39G	49.80	54.00	-4.20	3	Vertical	348	2.21
2412MHz	Pass	AV	2.4112G	102.58	Inf	-Inf	3	Vertical	348	2.21
2412MHz	Pass	PK	2.3896G	61.67	74.00	-12.33	3	Vertical	348	2.21
2412MHz	Pass	PK	2.4106G	113.38	Inf	-Inf	3	Vertical	348	2.21
2412MHz	Pass	AV	2.3898G	53.20	54.00	-0.80	3	Horizontal	48	1.11
2412MHz	Pass	AV	2.4112G	107.03	Inf	-Inf	3	Horizontal	48	1.11
2412MHz	Pass	PK	2.3878G	67.07	74.00	-6.93	3	Horizontal	48	1.11
2412MHz	Pass	PK	2.4112G	118.44	Inf	-Inf	3	Horizontal	48	1.11
2412MHz	Pass	AV	4.82862G	29.53	54.00	-24.47	3	Vertical	49	1.50
2412MHz	Pass	PK	4.82796G	42.46	74.00	-31.54	3	Vertical	49	1.50
2412MHz	Pass	AV	4.8246G	32.38	54.00	-21.62	3	Horizontal	353	1.45
2412MHz	Pass	PK	4.82712G	45.63	74.00	-28.37	3	Horizontal	353	1.45
2417MHz	Pass	AV	2.3898G	49.98	54.00	-4.02	3	Vertical	338	2.22
2417MHz	Pass	AV	2.4176G	106.16	Inf	-Inf	3	Vertical	338	2.22
2417MHz	Pass	PK	2.39G	63.52	74.00	-10.48	3	Vertical	338	2.22
2417MHz	Pass	PK	2.418G	117.26	Inf	-Inf	3	Vertical	338	2.22
2417MHz	Pass	AV	2.39G	53.32	54.00	-0.68	3	Horizontal	46	1.08
2417MHz	Pass	AV	2.4162G	109.85	Inf	-Inf	3	Horizontal	46	1.08
2417MHz	Pass	PK	2.3806G	66.86	74.00	-7.14	3	Horizontal	46	1.08
2417MHz	Pass	PK	2.4178G	120.69	Inf	-Inf	3	Horizontal	46	1.08
2437MHz	Pass	AV	2.3898G	49.80	54.00	-4.20	3	Vertical	339	2.45
2437MHz	Pass	AV	2.4362G	106.50	Inf	-Inf	3	Vertical	339	2.45
2437MHz	Pass	AV	2.4838G	48.95	54.00	-5.05	3	Vertical	339	2.45
2437MHz	Pass	PK	2.3846G	62.13	74.00	-11.87	3	Vertical	339	2.45
2437MHz	Pass	PK	2.4358G	117.70	Inf	-Inf	3	Vertical	339	2.45
2437MHz	Pass	PK	2.4982G	60.91	74.00	-13.09	3	Vertical	339	2.45
2437MHz	Pass	AV	2.3898G	51.88	54.00	-2.12	3	Horizontal	46	1.04
2437MHz	Pass	AV	2.4362G	112.65	Inf	-Inf	3	Horizontal	46	1.04
2437MHz	Pass	AV	2.4898G	50.65	54.00	-3.35	3	Horizontal	46	1.04
2437MHz	Pass	PK	2.3894G	63.66	74.00	-10.34	3	Horizontal	46	1.04
2437MHz	Pass	PK	2.4362G	123.89	Inf	-Inf	3	Horizontal	46	1.04
2437MHz	Pass	PK	2.4934G	64.55	74.00	-9.45	3	Horizontal	46	1.04
2437MHz	Pass	AV	4.87418G	33.10	54.00	-20.90	3	Vertical	50	2.69
2437MHz	Pass	AV	7.31004G	39.68	54.00	-14.32	3	Vertical	332	1.76
2437MHz	Pass	PK	4.87232G	45.10	74.00	-28.90	3	Vertical	50	2.69
2437MHz	Pass	PK	7.3089G	52.67	74.00	-21.33	3	Vertical	332	1.76
2437MHz	Pass	AV	4.87406G	36.27	54.00	-17.73	3	Horizontal	348	1.43
2437MHz	Pass	AV	7.3122G	40.66	54.00	-13.34	3	Horizontal	30	1.39
2437MHz	Pass	PK	4.87304G	48.91	74.00	-25.09	3	Horizontal	348	1.43
2437MHz	Pass	PK	7.30992G	53.68	74.00	-20.32	3	Horizontal	30	1.39
2457MHz	Pass	AV	2.4562G	101.37	Inf	-Inf	3	Vertical	208	1.82
2457MHz	Pass	AV	2.4896G	49.22	54.00	-4.78	3	Vertical	208	1.82
2457MHz	Pass	PK	2.4556G	112.59	Inf	-Inf	3	Vertical	208	1.82
2457MHz	Pass	PK	2.4912G	62.17	74.00	-11.83	3	Vertical	208	1.82
2457MHz	Pass	AV	2.4564G	109.74	Inf	-Inf	3	Horizontal	352	2.00
2457MHz	Pass	AV	2.4835G	53.05	54.00	-0.95	3	Horizontal	352	2.00
2457MHz	Pass	PK	2.4576G	121.46	Inf	-Inf	3	Horizontal	352	2.00
2457MHz	Pass	PK	2.4836G	71.10	74.00	-2.90	3	Horizontal	352	2.00
2462MHz	Pass	AV	2.4612G	98.59	Inf	-Inf	3	Vertical	202	1.60
2462MHz	Pass	AV	2.4848G	48.96	54.00	-5.04	3	Vertical	202	1.60
2462MHz	Pass	PK	2.462G	109.84	Inf	-Inf	3	Vertical	202	1.60
2462MHz	Pass	PK	2.4996G	61.14	74.00	-12.86	3	Vertical	202	1.60
2462MHz	Pass	AV	2.4628G	107.01	Inf	-Inf	3	Horizontal	353	1.63
2462MHz	Pass	AV	2.4846G	52.93	54.00	-1.07	3	Horizontal	353	1.63
2462MHz	Pass	PK	2.4632G	118.60	Inf	-Inf	3	Horizontal	353	1.63
2462MHz	Pass	PK	2.4882G	68.25	74.00	-5.75	3	Horizontal	353	1.63
2462MHz	Pass	AV	4.92832G	30.26	54.00	-23.74	3	Vertical	325	1.28
2462MHz	Pass	AV	7.39338G	34.93	54.00	-19.07	3	Vertical	10	2.33
2462MHz	Pass	PK	4.93012G	42.61	74.00	-31.39	3	Vertical	325	1.28
2462MHz	Pass	PK	7.392G	47.30	74.00	-26.70	3	Vertical	10	2.33
2462MHz	Pass	AV	4.92424G	31.74	54.00	-22.26	3	Horizontal	338	1.18
2462MHz	Pass	AV	7.38852G	35.07	54.00	-18.93	3	Horizontal	26	1.00

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	PK	4.9246G	44.36	74.00	-29.64	3	Horizontal	338	1.18
2462MHz	Pass	PK	7.38582G	47.67	74.00	-26.33	3	Horizontal	26	1.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.3896G	49.04	54.00	-4.96	3	Vertical	342	1.46
2422MHz	Pass	AV	2.4212G	97.44	Inf	-Inf	3	Vertical	342	1.46
2422MHz	Pass	AV	2.4872G	48.50	54.00	-5.50	3	Vertical	342	1.46
2422MHz	Pass	PK	2.3856G	63.27	74.00	-10.73	3	Vertical	342	1.46
2422MHz	Pass	PK	2.4216G	108.46	Inf	-Inf	3	Vertical	342	1.46
2422MHz	Pass	PK	2.4964G	60.08	74.00	-13.92	3	Vertical	342	1.46
2422MHz	Pass	AV	2.3828G	53.60	54.00	-0.40	3	Horizontal	346	1.63
2422MHz	Pass	AV	2.4232G	104.58	Inf	-Inf	3	Horizontal	346	1.63
2422MHz	Pass	AV	2.4848G	49.19	54.00	-4.81	3	Horizontal	346	1.63
2422MHz	Pass	PK	2.382G	67.23	74.00	-6.77	3	Horizontal	346	1.63
2422MHz	Pass	PK	2.4232G	116.65	Inf	-Inf	3	Horizontal	346	1.63
2422MHz	Pass	PK	2.4864G	61.42	74.00	-12.58	3	Horizontal	346	1.63
2422MHz	Pass	AV	4.83644G	29.30	54.00	-24.70	3	Vertical	343.9	2.92
2422MHz	Pass	PK	4.85888G	41.30	74.00	-32.70	3	Vertical	343.9	2.92
2422MHz	Pass	AV	4.84436G	30.77	54.00	-23.23	3	Horizontal	348	1.48
2422MHz	Pass	PK	4.84292G	43.01	74.00	-30.99	3	Horizontal	348	1.48
2427MHz	Pass	AV	2.389G	48.83	54.00	-5.17	3	Vertical	340	1.47
2427MHz	Pass	AV	2.4258G	97.55	Inf	-Inf	3	Vertical	340	1.47
2427MHz	Pass	AV	2.4866G	48.51	54.00	-5.49	3	Vertical	340	1.47
2427MHz	Pass	PK	2.3898G	64.37	74.00	-9.63	3	Vertical	340	1.47
2427MHz	Pass	PK	2.4254G	108.85	Inf	-Inf	3	Vertical	340	1.47
2427MHz	Pass	PK	2.4926G	60.40	74.00	-13.60	3	Vertical	340	1.47
2427MHz	Pass	AV	2.3878G	53.88	54.00	-0.12	3	Horizontal	348	1.62
2427MHz	Pass	AV	2.4282G	105.19	Inf	-Inf	3	Horizontal	348	1.62
2427MHz	Pass	AV	2.4914G	49.00	54.00	-5.00	3	Horizontal	348	1.62
2427MHz	Pass	PK	2.387G	67.15	74.00	-6.85	3	Horizontal	348	1.62
2427MHz	Pass	PK	2.4282G	117.56	Inf	-Inf	3	Horizontal	348	1.62
2427MHz	Pass	PK	2.4894G	60.87	74.00	-13.13	3	Horizontal	348	1.62
2437MHz	Pass	AV	2.3898G	51.29	54.00	-2.71	3	Vertical	353	2.44
2437MHz	Pass	AV	2.4362G	100.33	Inf	-Inf	3	Vertical	353	2.44
2437MHz	Pass	AV	2.4898G	48.76	54.00	-5.24	3	Vertical	353	2.44
2437MHz	Pass	PK	2.3894G	64.02	74.00	-9.98	3	Vertical	353	2.44
2437MHz	Pass	PK	2.4362G	111.73	Inf	-Inf	3	Vertical	353	2.44
2437MHz	Pass	PK	2.495G	60.45	74.00	-13.55	3	Vertical	353	2.44
2437MHz	Pass	AV	2.3898G	53.56	54.00	-0.44	3	Horizontal	44	1.04
2437MHz	Pass	AV	2.4362G	105.91	Inf	-Inf	3	Horizontal	44	1.04
2437MHz	Pass	AV	2.493G	50.06	54.00	-3.94	3	Horizontal	44	1.04
2437MHz	Pass	PK	2.3786G	67.41	74.00	-6.59	3	Horizontal	44	1.04
2437MHz	Pass	PK	2.4362G	117.12	Inf	-Inf	3	Horizontal	44	1.04
2437MHz	Pass	PK	2.4838G	62.47	74.00	-11.53	3	Horizontal	44	1.04
2437MHz	Pass	AV	4.89584G	29.53	54.00	-24.47	3	Vertical	336	1.50
2437MHz	Pass	AV	7.31676G	34.79	54.00	-19.21	3	Vertical	331	1.01
2437MHz	Pass	PK	4.8584G	41.83	74.00	-32.17	3	Vertical	336	1.50
2437MHz	Pass	PK	7.29444G	47.24	74.00	-26.76	3	Vertical	331	1.01
2437MHz	Pass	AV	4.87532G	32.01	54.00	-21.99	3	Horizontal	345	1.32
2437MHz	Pass	AV	7.31748G	34.92	54.00	-19.08	3	Horizontal	315	1.50
2437MHz	Pass	PK	4.87424G	45.23	74.00	-28.77	3	Horizontal	345	1.32
2437MHz	Pass	PK	7.2966G	46.99	74.00	-27.01	3	Horizontal	315	1.50
2447MHz	Pass	AV	2.3894G	49.03	54.00	-4.97	3	Vertical	354	2.38
2447MHz	Pass	AV	2.4462G	99.43	Inf	-Inf	3	Vertical	354	2.38
2447MHz	Pass	AV	2.485G	50.04	54.00	-3.96	3	Vertical	354	2.38
2447MHz	Pass	PK	2.3894G	61.52	74.00	-12.48	3	Vertical	354	2.38
2447MHz	Pass	PK	2.4458G	111.02	Inf	-Inf	3	Vertical	354	2.38
2447MHz	Pass	PK	2.4854G	61.02	74.00	-12.98	3	Vertical	354	2.38
2447MHz	Pass	AV	2.3878G	51.71	54.00	-2.29	3	Horizontal	43	1.19
2447MHz	Pass	AV	2.4458G	104.93	Inf	-Inf	3	Horizontal	43	1.19
2447MHz	Pass	AV	2.4846G	53.49	54.00	-0.51	3	Horizontal	43	1.19
2447MHz	Pass	PK	2.3858G	65.12	74.00	-8.88	3	Horizontal	43	1.19
2447MHz	Pass	PK	2.4454G	116.53	Inf	-Inf	3	Horizontal	43	1.19

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2447MHz	Pass	PK	2.4838G	69.20	74.00	-4.80	3	Horizontal	43	1.19
2452MHz	Pass	AV	2.3896G	48.64	54.00	-5.36	3	Vertical	341	1.71
2452MHz	Pass	AV	2.4484G	97.84	Inf	-Inf	3	Vertical	341	1.71
2452MHz	Pass	AV	2.4848G	49.41	54.00	-4.59	3	Vertical	341	1.71
2452MHz	Pass	PK	2.388G	60.92	74.00	-13.08	3	Vertical	341	1.71
2452MHz	Pass	PK	2.448G	110.49	Inf	-Inf	3	Vertical	341	1.71
2452MHz	Pass	PK	2.4848G	64.18	74.00	-9.82	3	Vertical	341	1.71
2452MHz	Pass	AV	2.39G	50.50	54.00	-3.50	3	Horizontal	348	2.01
2452MHz	Pass	AV	2.4512G	105.91	Inf	-Inf	3	Horizontal	348	2.01
2452MHz	Pass	AV	2.4912G	52.51	54.00	-1.49	3	Horizontal	348	2.01
2452MHz	Pass	PK	2.39G	63.22	74.00	-10.78	3	Horizontal	348	2.01
2452MHz	Pass	PK	2.4512G	117.82	Inf	-Inf	3	Horizontal	348	2.01
2452MHz	Pass	PK	2.4872G	70.56	74.00	-3.44	3	Horizontal	348	2.01
2452MHz	Pass	AV	4.9292G	29.95	54.00	-24.05	3	Vertical	224	1.01
2452MHz	Pass	AV	7.35636G	35.07	54.00	-18.93	3	Vertical	9	2.37
2452MHz	Pass	PK	4.91444G	41.83	74.00	-32.17	3	Vertical	224	1.01
2452MHz	Pass	PK	7.35624G	48.00	74.00	-26.00	3	Vertical	9	2.37
2452MHz	Pass	AV	4.904G	31.17	54.00	-22.83	3	Horizontal	339	1.00
2452MHz	Pass	AV	7.356G	35.07	54.00	-18.93	3	Horizontal	22	1.46
2452MHz	Pass	PK	4.9034G	43.32	74.00	-30.68	3	Horizontal	339	1.00
2452MHz	Pass	PK	7.35588G	48.00	74.00	-26.00	3	Horizontal	22	1.46

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

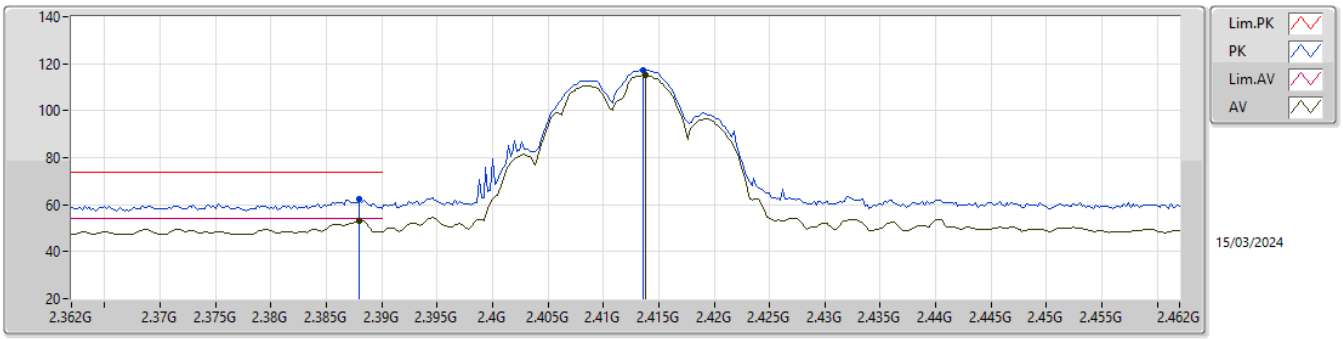
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3866G	50.12	54.00	-3.88	31.80	3	Vertical	349	2.00	18.32	27.27	4.53	-
AV	2.4112G	110.86	Inf	-Inf	31.95	3	Vertical	349	2.00	78.91	27.40	4.55	-
PK	2.3716G	59.99	74.00	-14.01	31.63	3	Vertical	349	2.00	28.36	27.12	4.51	-
PK	2.4112G	113.24	Inf	-Inf	31.95	3	Vertical	349	2.00	81.29	27.40	4.55	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

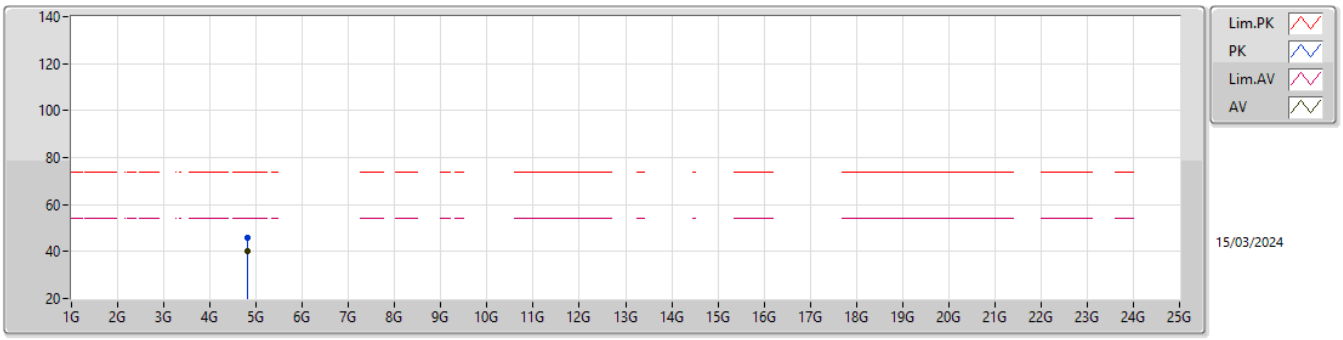
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.388G	53.30	54.00	-0.70	31.81	3	Horizontal	356	1.43	21.49	27.28	4.53	-
AV	2.4138G	115.14	Inf	-Inf	31.96	3	Horizontal	356	1.43	83.18	27.40	4.56	-
PK	2.388G	62.31	74.00	-11.69	31.81	3	Horizontal	356	1.43	30.50	27.28	4.53	-
PK	2.4136G	117.44	Inf	-Inf	31.96	3	Horizontal	356	1.43	85.48	27.40	4.56	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

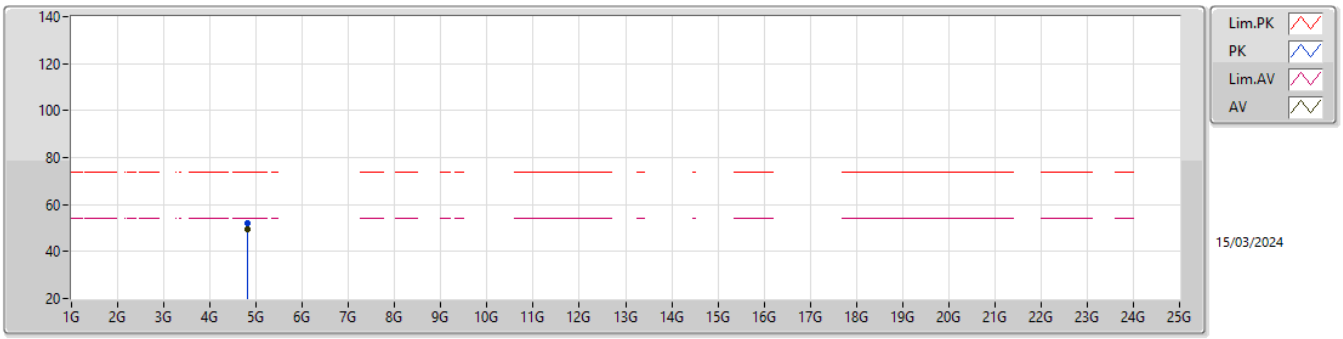
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.824G	40.32	54.00	-13.68	4.02	3	Vertical	47	1.46	36.30	32.30	6.54	34.82
PK	4.824G	45.82	74.00	-28.18	4.02	3	Vertical	47	1.46	41.80	32.30	6.54	34.82

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

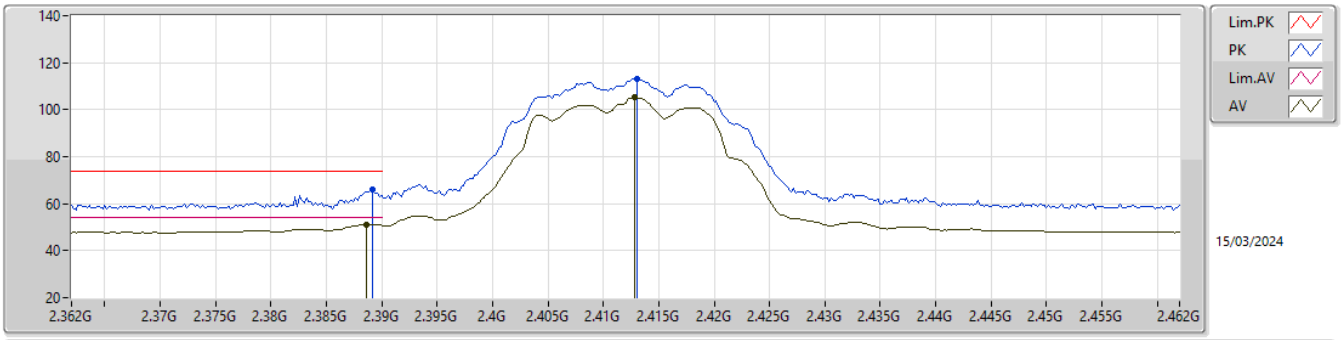
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.824G	49.55	54.00	-4.45	4.02	3	Horizontal	356	1.58	45.53	32.30	6.54	34.82
PK	4.824G	51.92	74.00	-22.08	4.02	3	Horizontal	356	1.58	47.90	32.30	6.54	34.82

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

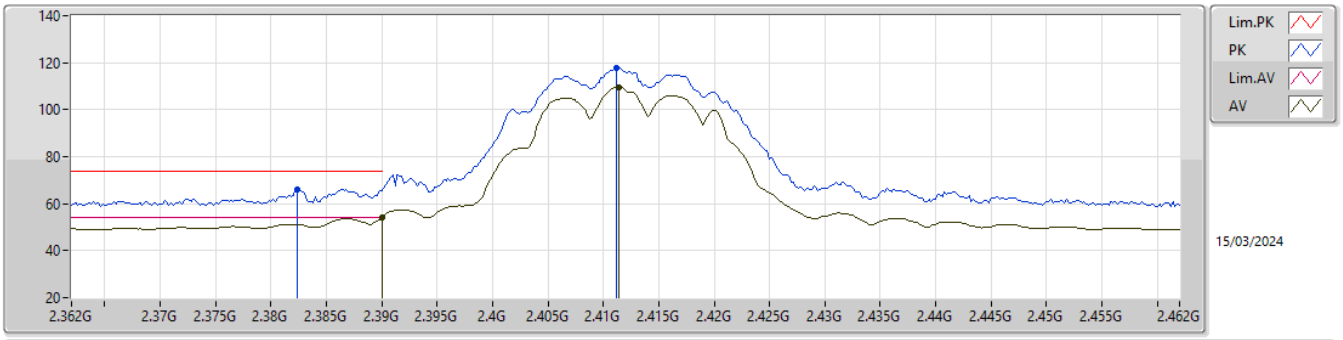
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3886G	51.28	54.00	-2.72	31.82	3	Vertical	345	1.90	19.46	27.29	4.53	-
AV	2.4128G	105.13	Inf	-Inf	31.95	3	Vertical	345	1.90	73.18	27.40	4.55	-
PK	2.3892G	65.95	74.00	-8.05	31.82	3	Vertical	345	1.90	34.13	27.29	4.53	-
PK	2.413G	113.06	Inf	-Inf	31.95	3	Vertical	345	1.90	81.11	27.40	4.55	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

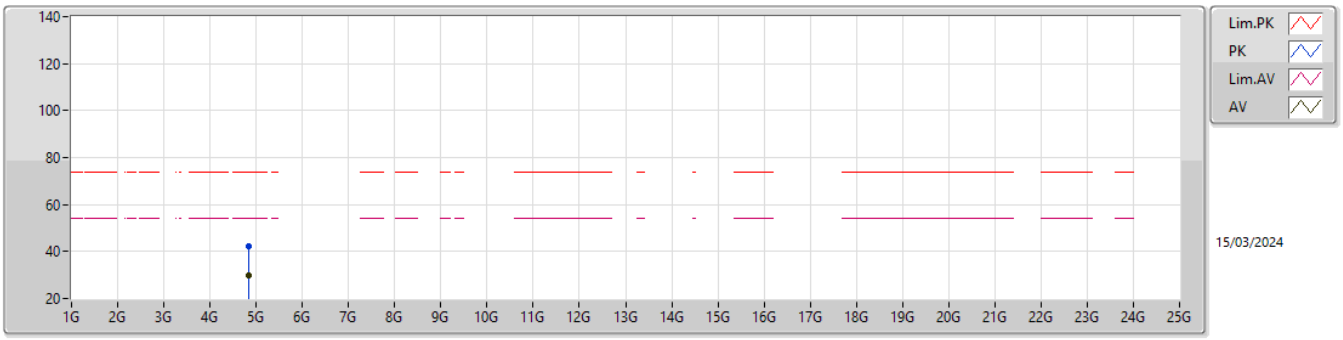
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.90	54.00	-0.10	31.83	3	Horizontal	48	1.13	22.07	27.30	4.53	-
AV	2.4114G	109.58	Inf	-Inf	31.95	3	Horizontal	48	1.13	77.63	27.40	4.55	-
PK	2.3824G	66.18	74.00	-7.82	31.74	3	Horizontal	48	1.13	34.44	27.22	4.52	-
PK	2.4112G	117.51	Inf	-Inf	31.95	3	Horizontal	48	1.13	85.56	27.40	4.55	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

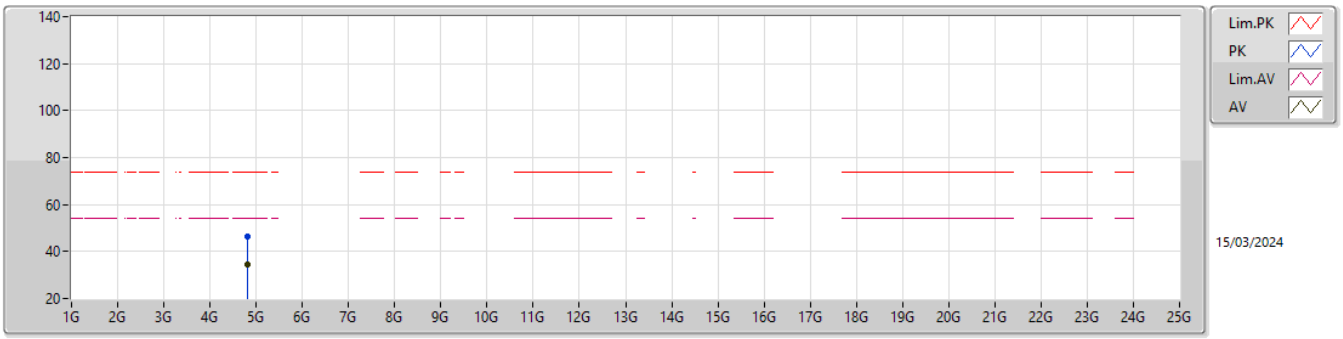
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.82958G	29.74	54.00	-24.26	4.04	3	Vertical	45	1.50	25.70	32.32	6.54	34.82
PK	4.82514G	42.34	74.00	-31.66	4.02	3	Vertical	45	1.50	38.32	32.30	6.54	34.82

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

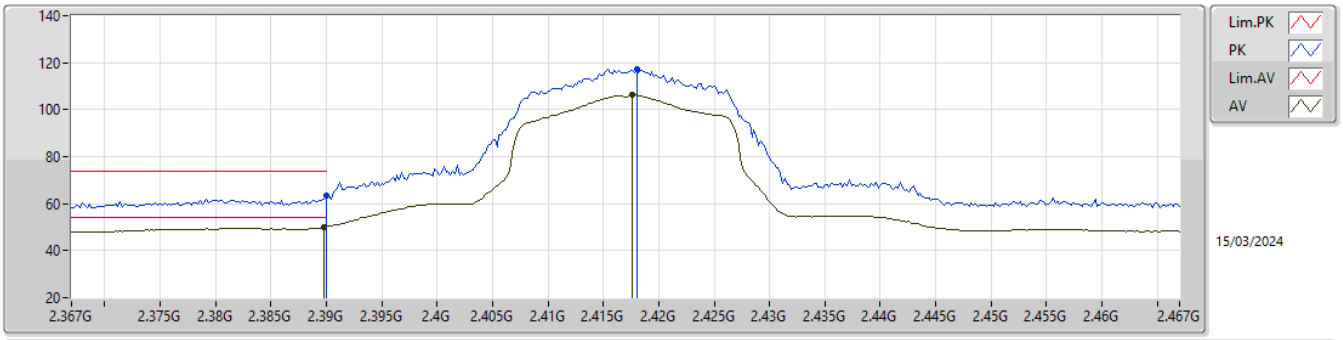
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.82412G	34.39	54.00	-19.61	4.02	3	Horizontal	351	1.54	30.37	32.30	6.54	34.82
PK	4.82466G	46.63	74.00	-27.37	4.02	3	Horizontal	351	1.54	42.61	32.30	6.54	34.82

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

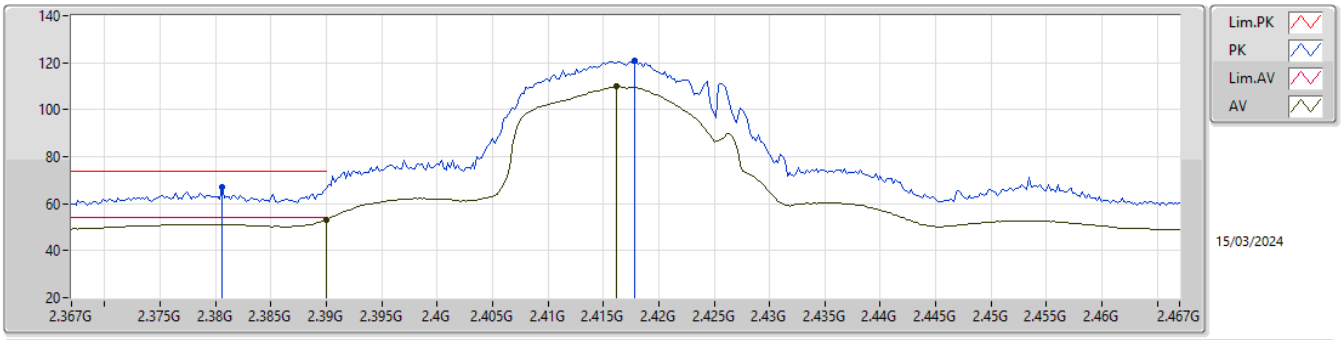
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	49.98	54.00	-4.02	31.83	3	Vertical	338	2.22	18.15	27.30	4.53	-
AV	2.4176G	106.16	Inf	-Inf	31.96	3	Vertical	338	2.22	74.20	27.40	4.56	-
PK	2.39G	63.52	74.00	-10.48	31.83	3	Vertical	338	2.22	31.69	27.30	4.53	-
PK	2.418G	117.26	Inf	-Inf	31.96	3	Vertical	338	2.22	85.30	27.40	4.56	-

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

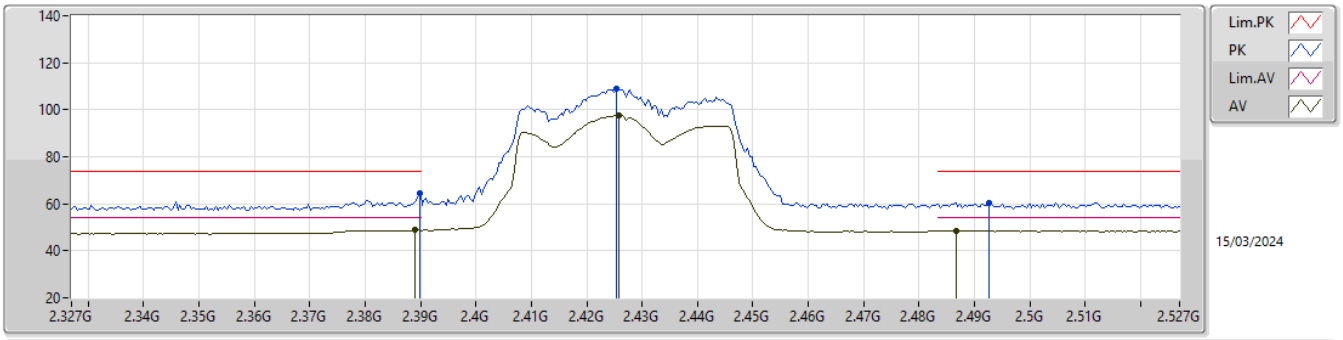
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.32	54.00	-0.68	31.83	3	Horizontal	46	1.08	21.49	27.30	4.53	-
AV	2.4162G	109.85	Inf	-Inf	31.96	3	Horizontal	46	1.08	77.89	27.40	4.56	-
PK	2.3806G	66.86	74.00	-7.14	31.73	3	Horizontal	46	1.08	35.13	27.21	4.52	-
PK	2.4178G	120.69	Inf	-Inf	31.96	3	Horizontal	46	1.08	88.73	27.40	4.56	-

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

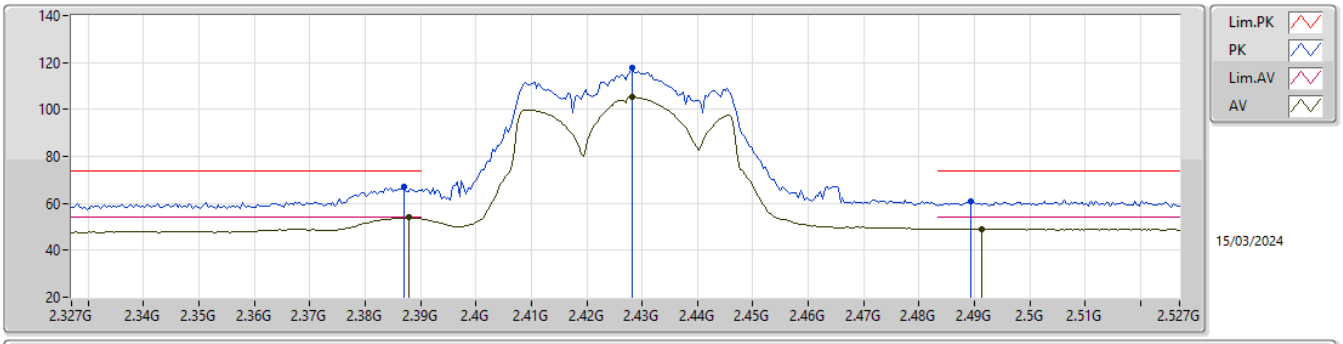
2427MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.389G	48.83	54.00	-5.17	31.82	3	Vertical	340	1.47	17.01	27.29	4.53	-
AV	2.4258G	97.55	Inf	-Inf	32.03	3	Vertical	340	1.47	65.52	27.46	4.57	-
AV	2.4866G	48.51	54.00	-5.49	32.21	3	Vertical	340	1.47	16.30	27.57	4.64	-
PK	2.3898G	64.37	74.00	-9.63	31.83	3	Vertical	340	1.47	32.54	27.30	4.53	-
PK	2.4254G	108.85	Inf	-Inf	32.02	3	Vertical	340	1.47	76.83	27.45	4.57	-
PK	2.4926G	60.40	74.00	-13.60	32.25	3	Vertical	340	1.47	28.15	27.60	4.65	-

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2427MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3878G	53.88	54.00	-0.12	31.81	3	Horizontal	348	1.62	22.07	27.28	4.53	-
AV	2.4282G	105.19	Inf	-Inf	32.05	3	Horizontal	348	1.62	73.14	27.48	4.57	-
AV	2.4914G	49.00	54.00	-5.00	32.25	3	Horizontal	348	1.62	16.75	27.60	4.65	-
PK	2.387G	67.15	74.00	-6.85	31.80	3	Horizontal	348	1.62	35.35	27.27	4.53	-
PK	2.4282G	117.56	Inf	-Inf	32.05	3	Horizontal	348	1.62	85.51	27.48	4.57	-
PK	2.4894G	60.87	74.00	-13.13	32.23	3	Horizontal	348	1.62	28.64	27.59	4.64	-

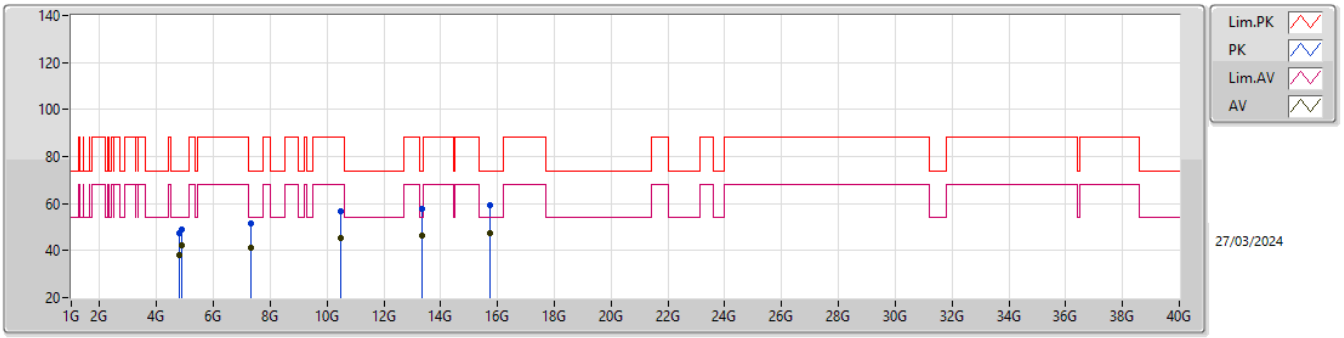
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	15.71638G	47.68	54.00	-6.32	Horizontal

Result

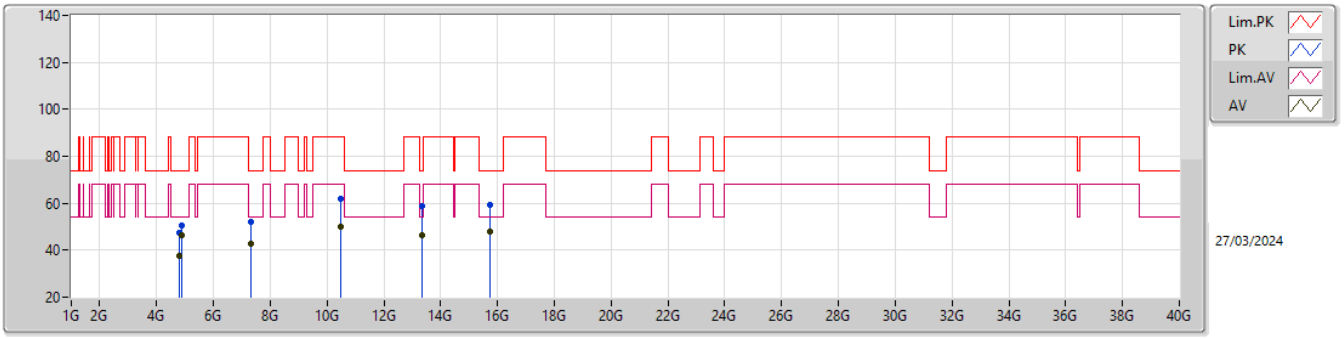
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	4.80453G	37.97	54.00	-16.03	3	Vertical	29	2.91	-
Mode 1	Pass	AV	4.87396G	42.33	54.00	-11.67	3	Vertical	59	2.75	-
Mode 1	Pass	AV	7.31348G	41.17	54.00	-12.83	3	Vertical	0	1.30	-
Mode 1	Pass	AV	10.4766G	45.40	68.20	-22.80	3	Vertical	300	2.91	-
Mode 1	Pass	AV	13.33812G	46.19	54.00	-7.81	3	Vertical	192	1.64	-
Mode 1	Pass	AV	15.71925G	47.50	54.00	-6.50	3	Vertical	152	1.50	-
Mode 1	Pass	PK	4.80492G	47.49	74.00	-26.51	3	Vertical	29	2.91	-
Mode 1	Pass	PK	4.8739G	48.80	74.00	-25.20	3	Vertical	59	2.75	-
Mode 1	Pass	PK	7.31292G	51.62	74.00	-22.38	3	Vertical	0	1.30	-
Mode 1	Pass	PK	10.47395G	56.96	88.20	-31.24	3	Vertical	300	2.91	-
Mode 1	Pass	PK	13.32555G	57.85	74.00	-16.15	3	Vertical	192	1.64	-
Mode 1	Pass	PK	15.71755G	59.49	74.00	-14.51	3	Vertical	152	1.50	-
Mode 1	Pass	AV	4.80454G	37.73	54.00	-16.27	3	Horizontal	356	1.53	-
Mode 1	Pass	AV	4.87394G	46.31	54.00	-7.69	3	Horizontal	360	1.50	-
Mode 1	Pass	AV	7.30932G	42.82	54.00	-11.18	3	Horizontal	295	1.44	-
Mode 1	Pass	AV	10.47408G	50.03	68.20	-18.17	3	Horizontal	274	2.18	-
Mode 1	Pass	AV	13.33964G	46.31	54.00	-7.69	3	Horizontal	350	1.50	-
Mode 1	Pass	AV	15.71638G	47.68	54.00	-6.32	3	Horizontal	292	1.85	-
Mode 1	Pass	PK	4.80477G	47.67	74.00	-26.33	3	Horizontal	356	1.53	-
Mode 1	Pass	PK	4.8739G	50.72	74.00	-23.28	3	Horizontal	360	1.50	-
Mode 1	Pass	PK	7.30925G	52.26	74.00	-21.74	3	Horizontal	295	1.44	-
Mode 1	Pass	PK	10.4746G	62.14	88.20	-26.06	3	Horizontal	274	2.18	-
Mode 1	Pass	PK	13.33534G	58.80	74.00	-15.20	3	Horizontal	70	1.74	-
Mode 1	Pass	PK	15.71578G	59.46	74.00	-14.54	3	Horizontal	292	1.85	-

Radiated Emissions above 1GHz_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.80453G	37.97	54.00	-16.03	3.90	3	Vertical	29	2.91	-	34.07	32.22	6.51	34.83
AV	4.87396G	42.33	54.00	-11.67	4.28	3	Vertical	59	2.75	-	38.05	32.50	6.59	34.81
AV	7.31348G	41.17	54.00	-12.83	10.03	3	Vertical	0	1.30	-	31.14	36.65	8.30	34.92
AV	10.4766G	45.40	68.20	-22.80	14.03	3	Vertical	300	2.91	-	31.37	38.55	10.36	34.88
AV	13.33812G	46.19	54.00	-7.81	18.45	3	Vertical	192	1.64	-	27.74	39.85	11.50	32.90
AV	15.71925G	47.50	54.00	-6.50	16.86	3	Vertical	152	1.50	-	30.64	38.20	13.14	34.48
PK	4.80492G	47.49	74.00	-26.51	3.91	3	Vertical	29	2.91	-	43.58	32.22	6.52	34.83
PK	4.8739G	48.80	74.00	-25.20	4.28	3	Vertical	59	2.75	-	44.52	32.50	6.59	34.81
PK	7.31292G	51.62	74.00	-22.38	10.03	3	Vertical	0	1.30	-	41.59	36.65	8.30	34.92
PK	10.47395G	56.96	88.20	-31.24	14.03	3	Vertical	300	2.91	-	42.93	38.55	10.36	34.88
PK	13.32555G	57.85	74.00	-16.15	18.37	3	Vertical	192	1.64	-	39.48	39.80	11.49	32.92
PK	15.71755G	59.49	74.00	-14.51	16.87	3	Vertical	152	1.50	-	42.62	38.20	13.14	34.47

Radiated Emissions above 1GHz_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.80454G	37.73	54.00	-16.27	3.90	3	Horizontal	356	1.53	-	33.83	32.22	6.51	34.83
AV	4.87394G	46.31	54.00	-7.69	4.28	3	Horizontal	360	1.50	-	42.03	32.50	6.59	34.81
AV	7.30932G	42.82	54.00	-11.18	10.03	3	Horizontal	295	1.44	-	32.79	36.66	8.29	34.92
AV	10.47408G	50.03	68.20	-18.17	14.03	3	Horizontal	274	2.18	-	36.00	38.55	10.36	34.88
AV	13.33964G	46.31	54.00	-7.69	18.46	3	Horizontal	350	1.50	-	27.85	39.86	11.50	32.90
AV	15.71638G	47.68	54.00	-6.32	16.86	3	Horizontal	292	1.85	-	30.82	38.20	13.13	34.47
PK	4.80477G	47.67	74.00	-26.33	3.91	3	Horizontal	356	1.53	-	43.76	32.22	6.52	34.83
PK	4.8739G	50.72	74.00	-23.28	4.28	3	Horizontal	360	1.50	-	46.44	32.50	6.59	34.81
PK	7.30925G	52.26	74.00	-21.74	10.03	3	Horizontal	295	1.44	-	42.23	36.66	8.29	34.92
PK	10.4746G	62.14	88.20	-26.06	14.03	3	Horizontal	274	2.18	-	48.11	38.55	10.36	34.88
PK	13.33534G	58.80	74.00	-15.20	18.44	3	Horizontal	70	1.74	-	40.36	39.84	11.50	32.90
PK	15.71578G	59.46	74.00	-14.54	16.86	3	Horizontal	292	1.85	-	42.60	38.20	13.13	34.47