

FCC Radio Test Report

FCC ID : VUIM2U350
Equipment : 5G FR2 ODU
Brand Name : PEGATRON
Model Name : M2U350, M2U300, M2UXXX-XXX(where X can be a combination of alphanumeric, none or blank)
Applicant : PEGATRON CORPORATION
5F., No.76, LIGONG ST., BEITOU DISTRICT,
TAIPEI CITY, Taiwan, 11259
Manufacturer : PEGATRON CORPORATION
5F., No.76, LIGONG ST., BEITOU DISTRICT,
TAIPEI CITY, Taiwan, 11259
Standard : 47 CFR FCC Part 15.247

The product was received on Oct. 01, 2024, and testing was started from Oct. 14, 2024 and completed on Oct. 24, 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 variant 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.



Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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



Table of Contents

HISTORY OF THIS TEST REPORT	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Information.....	5
1.2 Testing Applied Standards	7
1.3 Testing Location Information	7
1.4 Measurement Uncertainty	7
2 TEST CONFIGURATION OF EUT.....	8
2.1 Test Channel Mode	8
2.2 The Worst Case Measurement Configuration	9
2.3 Accessories	10
2.4 Support Equipment.....	10
2.5 Test Setup Diagram	11
3 TRANSMITTER TEST RESULT	13
3.1 AC Power-line Conducted Emissions	13
3.2 DTS Bandwidth.....	15
3.3 Maximum Conducted Output Power	16
3.4 Power Spectral Density	18
3.5 Emissions in Non-restricted Frequency Bands	19
3.6 Emissions in Restricted Frequency Bands.....	20
4 TEST EQUIPMENT AND CALIBRATION DATA.....	24
APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS	
APPENDIX B. TEST RESULTS OF DTS BANDWIDTH	
APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER	
APPENDIX D. TEST RESULTS OF POWER SPECTRAL DENSITY	
APPENDIX E. TEST RESULTS OF EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS	
APPENDIX F. TEST RESULTS OF EMISSIONS IN RESTRICTED FREQUENCY BANDS	
APPENDIX G. TEST PHOTOS	
PHOTOGRAPHS OF EUT V01	



History of this test report

Report No.	Version	Description	Issued Date
FR470412-01AC	01	Initial issue of report	Nov. 15, 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	-

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:

None

Reviewed by: Ben Tseng

Report Producer: Amber Chiu

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)	2412-2462	1-11 [11]
2400-2483.5	n (HT40)	2422-2452	3-9 [7]

Band	Mode	BWch	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	802.11n HT40	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.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	INPAQ	WA-P-LA-11-004(1415-0AQ4000)	PIFA	I-PEX

Ant.	Port	2.4G/BT Gain (dBi)						
		2300 MHz	2350 MHz	2400 MHz	2450 MHz	2500 MHz	2550 MHz	2600 MHz
1	1	3.83	3.19	2.84	4.45	4.46	4.81	4.73

Note 1: The EUT has one antenna.

For 2.4GHz function:

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

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

For BT function:

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

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

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From PoE		
EUT Function	☐ Point-to-multipoint	☒ Point-to-point	
Beamforming Function	☐ With beamforming	☒ Without beamforming	
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

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss1,(1Mbps)_1TX	0.991	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss1,(6Mbps)_1TX	0.955	0.2	2.066m	500
802.11n HT20_Nss1,(MCS0)_1TX	0.949	0.23	1.922m	1k
802.11n HT40_Nss1,(MCS0)_1TX	0.899	0.46	946.875u	2k

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

1.1.5 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

Model Name	Description
M2U350	All the models are identical, the different model served as marketing strategy.
M2U300	
M2UXXX-XXX(where X can be a combination of alphanumeric, none or blank)	

From the above models, model: M2U350 was selected as representative model for the test and its data was recorded in this report.

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 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	Rian Chung	21.5~23.7°C / 54~58%	23/Oct/2024~24/Oct/2024
RF Conducted	TH01-HY	Sonic Li	23.4~23.9°C / 52~55%	16/Oct/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.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated	03CH09-HY	Henry Ho	21.5~22.8°C / 52~58%	14/Oct/2024~15/Oct/2024

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
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	Dos 6.1
Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	38
2417MHz	39
2437MHz	38
2457MHz	37
2462MHz	38
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	47
2417MHz	50
2437MHz	53
2457MHz	50
2462MHz	48
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	46
2417MHz	46
2437MHz	46
2457MHz	46
2462MHz	46
802.11n HT40_Nss1,(MCS0)_1TX	-
2422MHz	45
2427MHz	44
2437MHz	46
2447MHz	44
2452MHz	42

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	Y Plane
	

2.3 Accessories

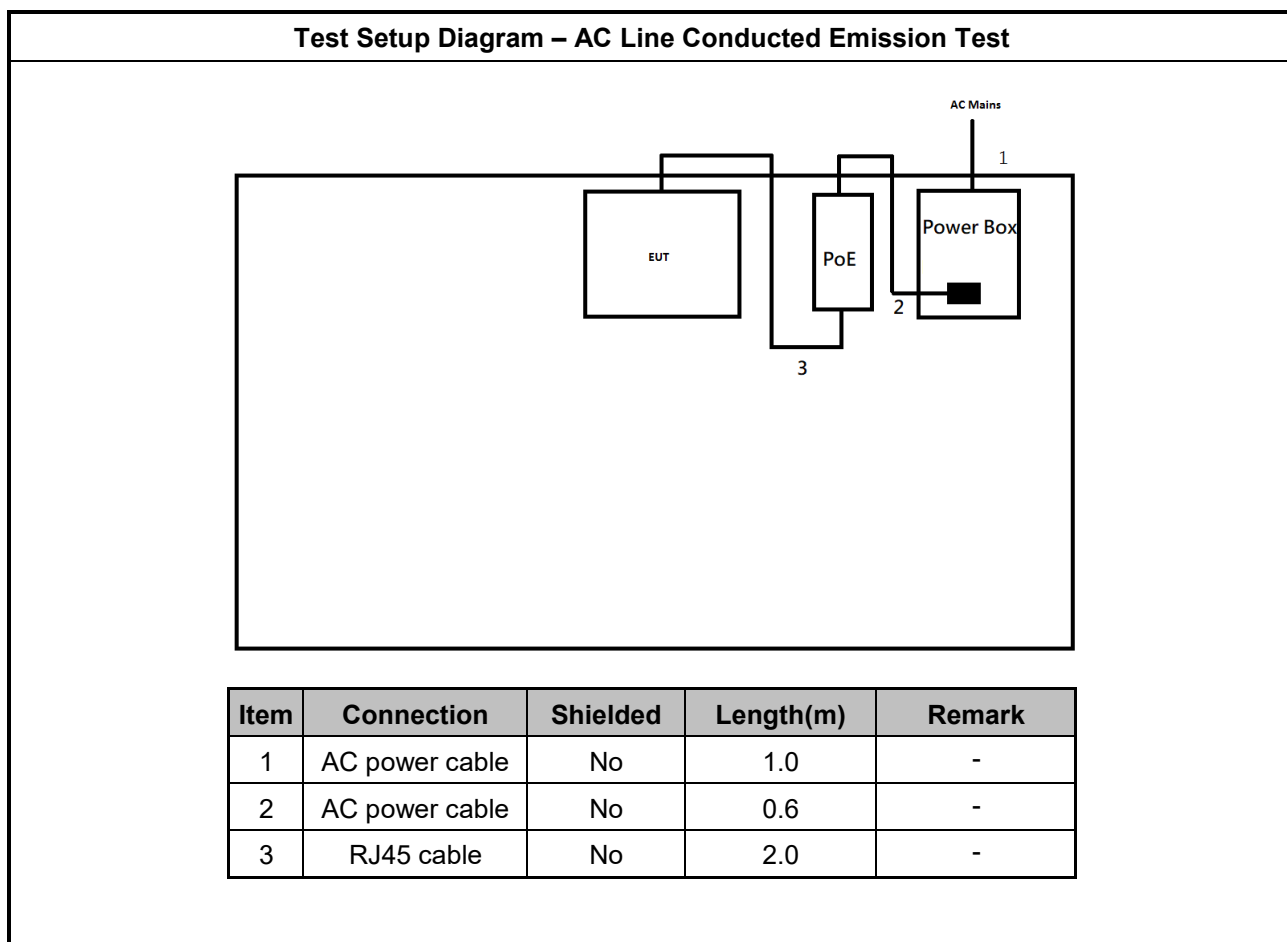
Accessories				
PoE injector	Brand Name	RISUNIC	Model Name	RP029-5601080YX
	Power Rating	I/P: 100- 240Vac, 1.5 A, O/P: 56Vdc, 1.08 A, 60.48W		
AC power cord	Brand Name	HONGLIN	Model Name	200-18511
	Power Cord	0.6m cable		
Bottom port cover with flat Ethernet cable	Brand Name	TUNG-LI	Model Name	CT041-046
RJ45 ethernet cable	Brand Name	TUNG-LI	Model Name	6F424-003

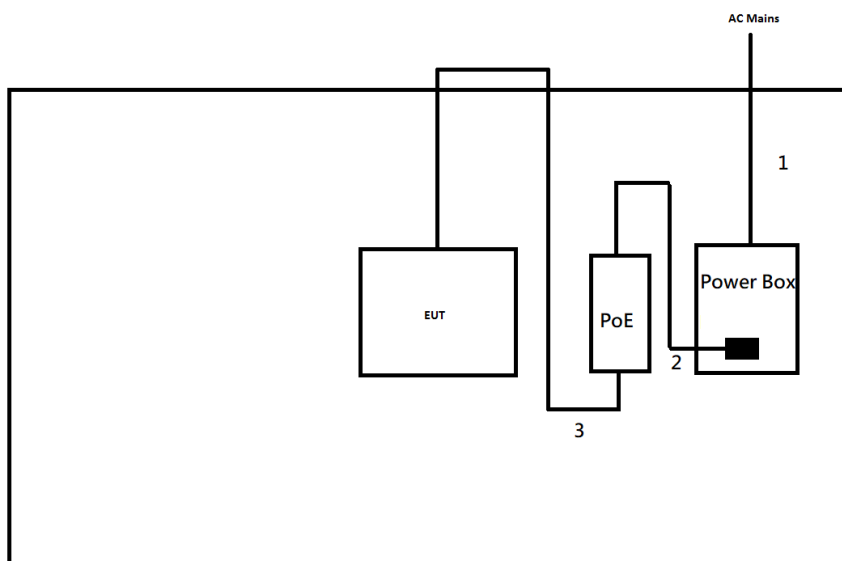
Reminder: Regarding to more detail and other information, please refer to user manual.

2.4 Support Equipment

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-

2.5 Test Setup Diagram



Test Setup Diagram - Radiated Test


Item	Connection	Shielded	Length(m)	Remark
1	AC power cable	No	1.8	-
2	AC power cable	No	0.6	-
3	RJ45 cable	No	2.0	-

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

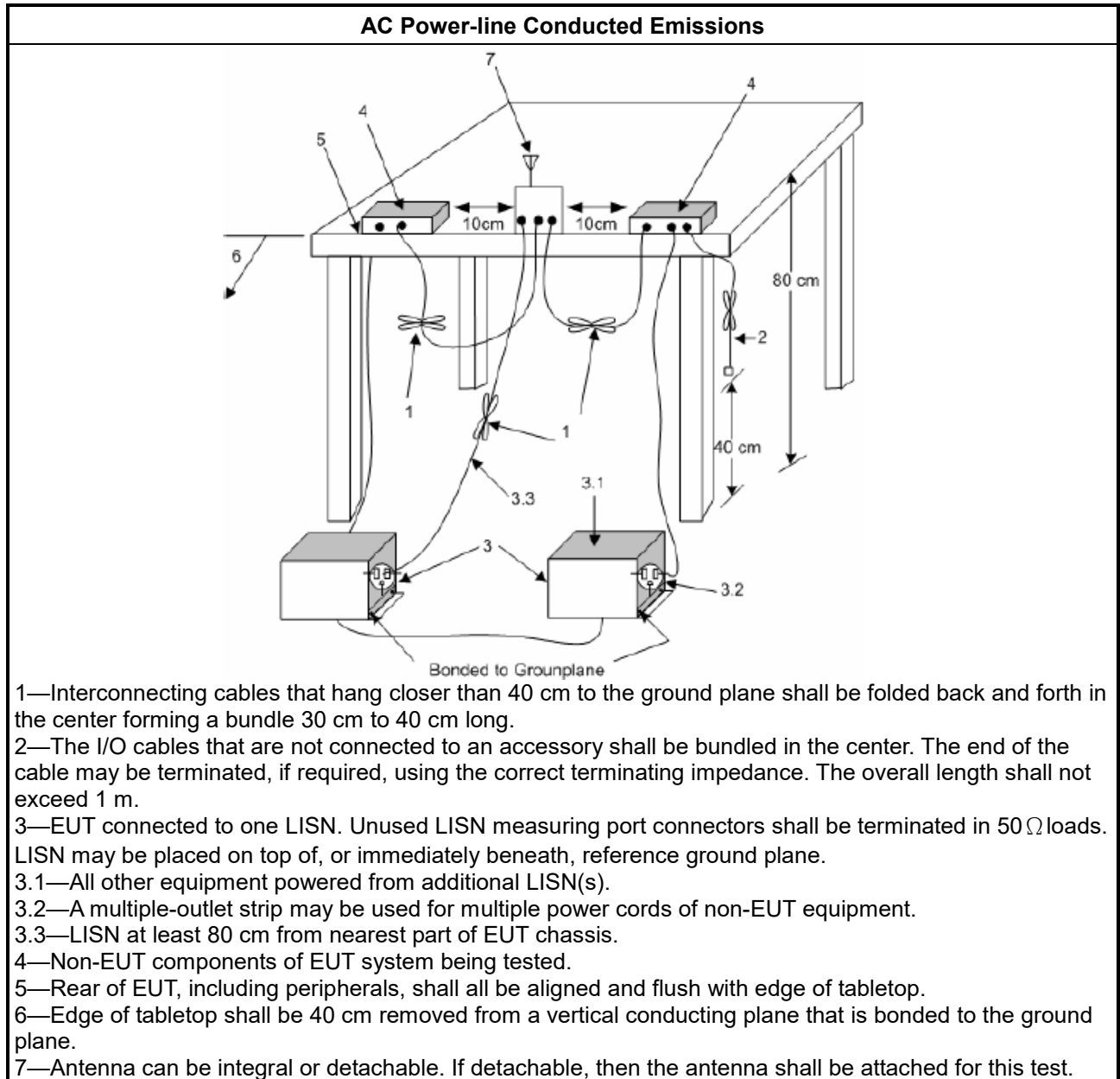
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

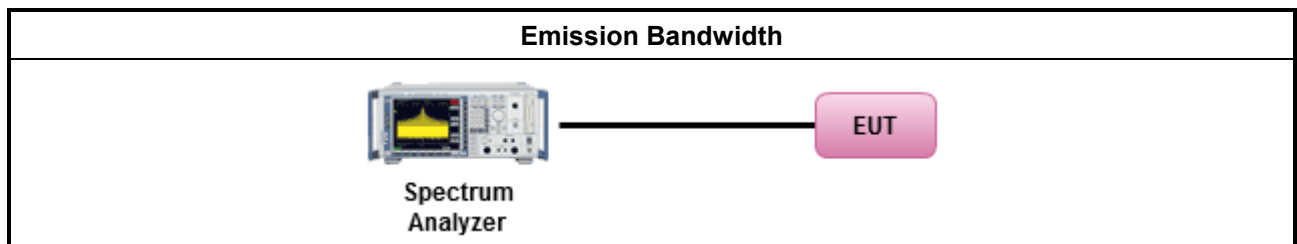
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as 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



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
e.i.r.p. Power Limit:	
	2400-2483.5 MHz Band
	Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	Smart antenna system (SAS)
	- Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	- Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	- Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ 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.	

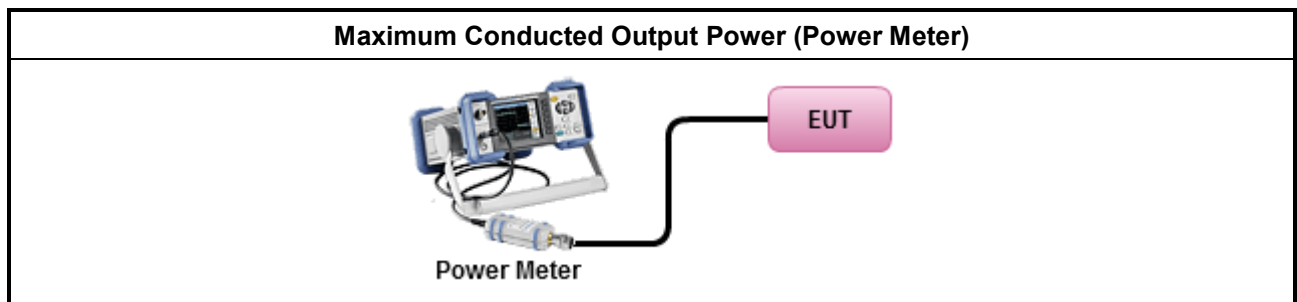
3.3.2 Measuring Instruments

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

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

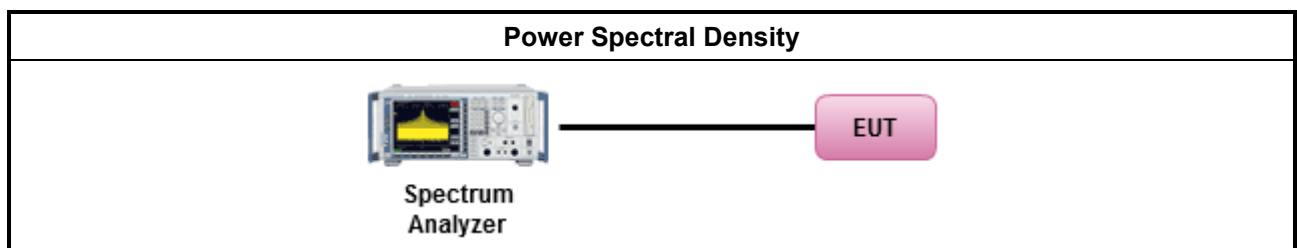
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
▪	Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
☒	Refer as 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



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.	

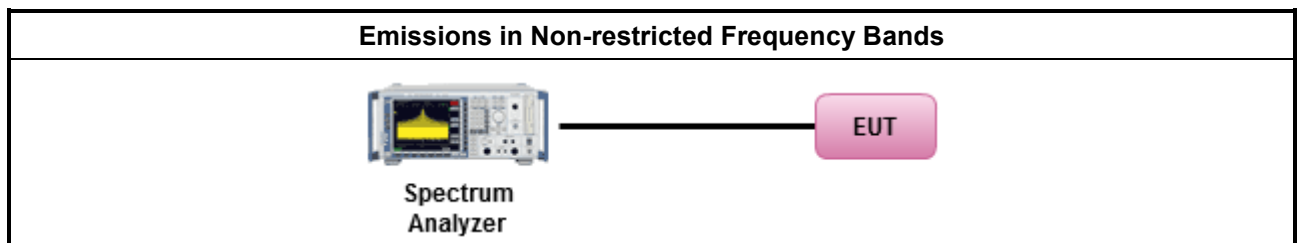
3.5.2 Measuring Instruments

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



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

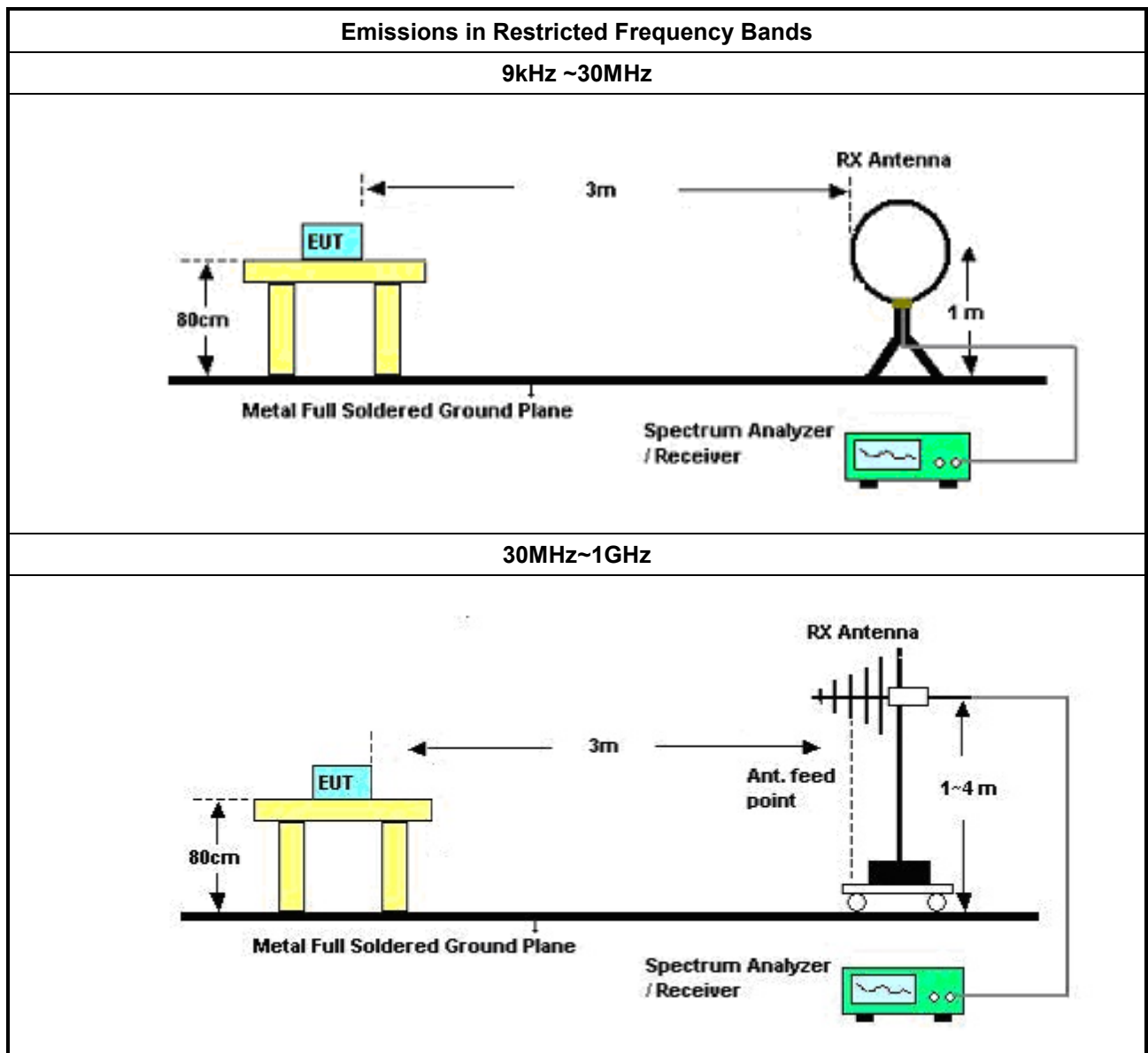
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted 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 $f \geq 1$ 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.

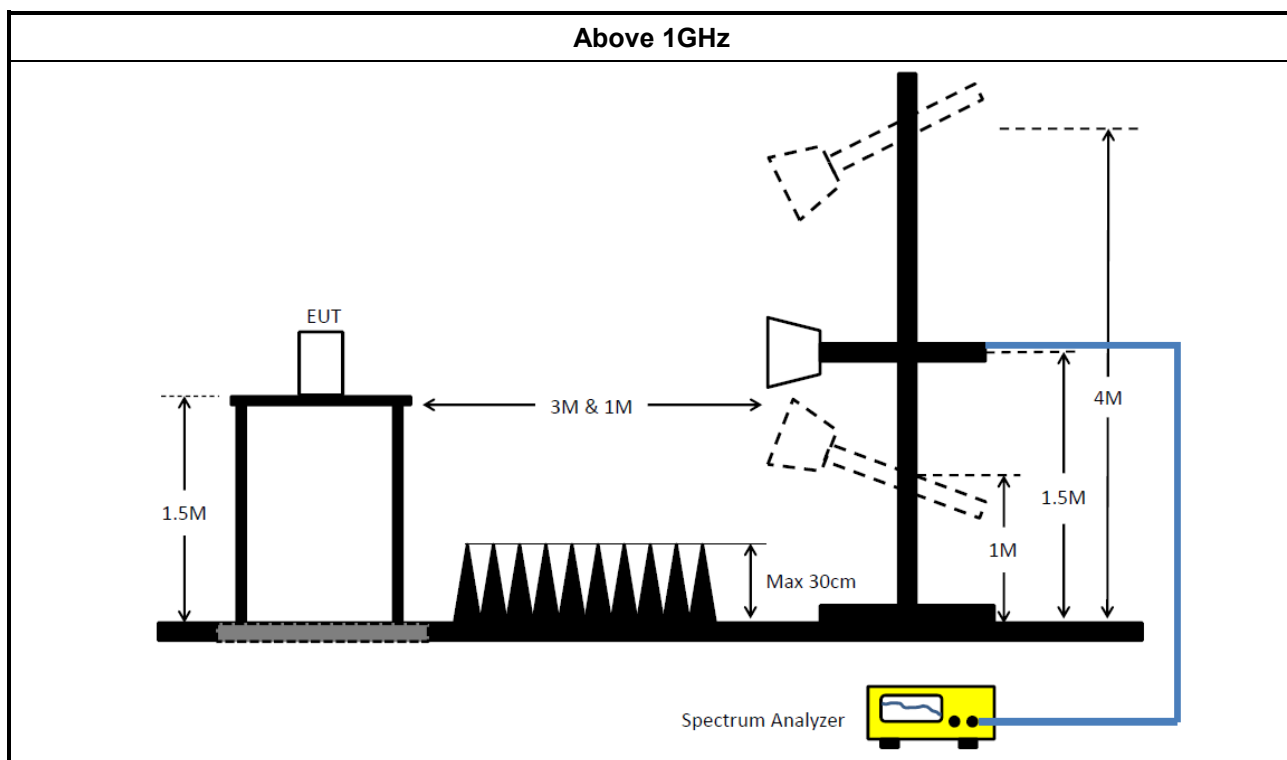
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

3.6.5 Test Setup





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	ROHDE & SCHWARZ	ESR3	102051	9kHz ~ 3.6GHz	17/May/2024	16/May/2025
Two-Line V-Network	ROHDE & SCHWARZ	ENV 216	101274	9kHz ~ 30MHz	18/Jun/2024	17/Jun/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	17/Oct/2024	16/Oct/2025
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	101029	10Hz~40GHz	30/Oct/2023	29/Oct/2024
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	20/Oct/2023	19/Oct/2024
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	01/Apr/2024	31/Mar/2025
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	02/Apr/2024	01/Apr/2025
SENSE-15247_DTS	Sporton	V5.11.20	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	TDK	SAC-3M	03CH09-HY	30MHz~1GHz 3m	08/Mar/2024	07/Mar/2025
Site V.S.W.R	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	07/Mar/2024	06/Mar/2025
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	15/Aug/2024	14/Aug/2025
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	08/Apr/2024	07/Apr/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz ~ 18GHz	20/Dec/2023	19/Dec/2024
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	19/Jul/2024	18/Jul/2025
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D&MT J6102-05	35418 & 3	30MHz~1GHz	26/Aug/2024	25/Aug/2025
RF Cable-R03m	Jye Bao	RG142	03CH09-cable-01	9kHz~1GHz	20/Feb/2024	19/Feb/2025
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	07/Oct/2024	06/Oct/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	1248	18GHz~40GHz	04/Oct/2024	03/Oct/2025
Amplifier	EMC INSTRUMENTS	EM18G40G	60604	18GHz~40GHz	19/Apr/2024	18/Apr/2025
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	19/Mar/2024	18/Mar/2025
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	03/May/2024	02/May/2025
SENSE-15247_DTS	Sporton	V5.11.20	NA	NA	NA	NA



Conducted Emissions at Powerline

Appendix A

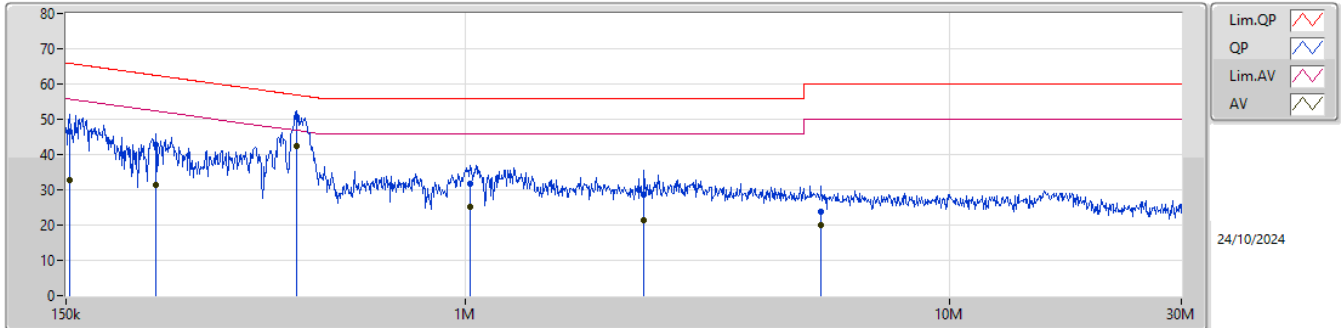
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	464.229k	43.51	46.61	-3.10	Neutral

Result

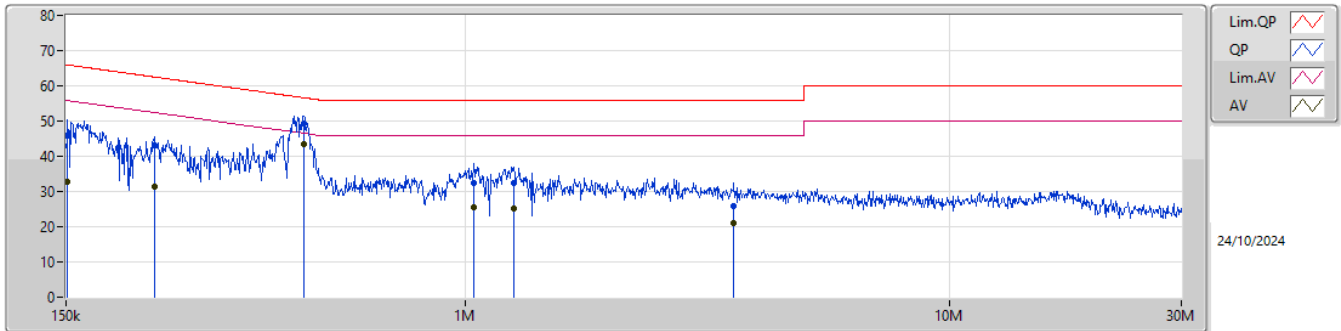
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	153.024k	46.67	65.83	-19.16	Line
Mode 1	Pass	AV	153.024k	32.84	55.83	-22.99	Line
Mode 1	Pass	QP	229.932k	42.63	62.44	-19.81	Line
Mode 1	Pass	AV	229.932k	31.39	52.44	-21.05	Line
Mode 1	Pass	QP	449.637k	50.61	56.88	-6.27	Line
Mode 1	Pass	AV	449.637k	42.50	46.88	-4.38	Line
Mode 1	Pass	QP	1.023M	31.77	56.00	-24.23	Line
Mode 1	Pass	AV	1.023M	25.28	46.00	-20.72	Line
Mode 1	Pass	QP	2.338M	28.55	56.00	-27.45	Line
Mode 1	Pass	AV	2.338M	21.35	46.00	-24.65	Line
Mode 1	Pass	QP	5.429M	23.73	60.00	-36.27	Line
Mode 1	Pass	AV	5.429M	20.12	50.00	-29.88	Line
Mode 1	Pass	QP	151.202k	45.79	65.92	-20.13	Neutral
Mode 1	Pass	AV	151.202k	32.78	55.92	-23.14	Neutral
Mode 1	Pass	QP	228.103k	43.04	62.52	-19.48	Neutral
Mode 1	Pass	AV	228.103k	31.28	52.52	-21.24	Neutral
Mode 1	Pass	QP	464.229k	49.14	56.61	-7.47	Neutral
Mode 1	Pass	AV	464.229k	43.51	46.61	-3.10	Neutral
Mode 1	Pass	QP	1.04M	32.34	56.00	-23.66	Neutral
Mode 1	Pass	AV	1.04M	25.53	46.00	-20.47	Neutral
Mode 1	Pass	QP	1.259M	32.47	56.00	-23.53	Neutral
Mode 1	Pass	AV	1.259M	25.18	46.00	-20.82	Neutral
Mode 1	Pass	QP	3.584M	25.73	56.00	-30.27	Neutral
Mode 1	Pass	AV	3.584M	21.09	46.00	-24.91	Neutral

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	153.024k	46.67	65.83	-19.16	19.70	Line	-	26.97	9.66	0.07	9.97						
AV	153.024k	32.84	55.83	-22.99	19.70	Line	-	13.14	9.66	0.07	9.97						
QP	229.932k	42.63	62.44	-19.81	19.72	Line	-	22.91	9.65	0.10	9.97						
AV	229.932k	31.39	52.44	-21.05	19.72	Line	-	11.67	9.65	0.10	9.97						
QP	449.637k	50.61	56.88	-6.27	19.75	Line	-	30.86	9.65	0.12	9.98						
AV	449.637k	42.50	46.88	-4.38	19.75	Line	-	22.75	9.65	0.12	9.98						
QP	1.023M	31.77	56.00	-24.23	19.73	Line	-	12.04	9.66	0.09	9.98						
AV	1.023M	25.28	46.00	-20.72	19.73	Line	-	5.55	9.66	0.09	9.98						
QP	2.338M	28.55	56.00	-27.45	19.74	Line	-	8.81	9.67	0.10	9.97						
AV	2.338M	21.35	46.00	-24.65	19.74	Line	-	1.61	9.67	0.10	9.97						
QP	5.429M	23.73	60.00	-36.27	19.74	Line	-	3.99	9.70	0.06	9.98						
AV	5.429M	20.12	50.00	-29.88	19.74	Line	-	0.38	9.70	0.06	9.98						

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	151.202k	45.79	65.92	-20.13	19.64	Neutral	-	26.15	9.60	0.07	9.97						
AV	151.202k	32.78	55.92	-23.14	19.64	Neutral	-	13.14	9.60	0.07	9.97						
QP	228.103k	43.04	62.52	-19.48	19.67	Neutral	-	23.37	9.60	0.10	9.97						
AV	228.103k	31.28	52.52	-21.24	19.67	Neutral	-	11.61	9.60	0.10	9.97						
QP	464.229k	49.14	56.61	-7.47	19.70	Neutral	-	29.44	9.60	0.12	9.98						
AV	464.229k	43.51	46.61	-3.10	19.70	Neutral	-	23.81	9.60	0.12	9.98						
QP	1.04M	32.34	56.00	-23.66	19.68	Neutral	-	12.66	9.61	0.09	9.98						
AV	1.04M	25.53	46.00	-20.47	19.68	Neutral	-	5.85	9.61	0.09	9.98						
QP	1.259M	32.47	56.00	-23.53	19.69	Neutral	-	12.78	9.61	0.10	9.98						
AV	1.259M	25.18	46.00	-20.82	19.69	Neutral	-	5.49	9.61	0.10	9.98						
QP	3.584M	25.73	56.00	-30.27	19.68	Neutral	-	6.05	9.62	0.08	9.98						
AV	3.584M	21.09	46.00	-24.91	19.68	Neutral	-	1.41	9.62	0.08	9.98						

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	9.575M	14.648M	14M6G1D	8.3M	14.438M
802.11g_Nss1,(6Mbps)_1TX	16.45M	21.395M	21M4D1D	16M	16.69M
802.11n HT20_Nss1,(MCS0)_1TX	17.7M	18.041M	18M0D1D	17.625M	17.741M
802.11n HT40_Nss1,(MCS0)_1TX	36.3M	36.082M	36M1D1D	35.7M	35.932M

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	9.05M	14.438M
2437MHz	Pass	500k	9.575M	14.543M
2462MHz	Pass	500k	8.3M	14.648M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.4M	16.69M
2437MHz	Pass	500k	16M	21.395M
2462MHz	Pass	500k	16.45M	16.8M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	17.65M	17.741M
2437MHz	Pass	500k	17.7M	17.941M
2462MHz	Pass	500k	17.625M	18.041M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	36.3M	35.982M
2437MHz	Pass	500k	35.7M	36.082M
2452MHz	Pass	500k	35.8M	35.932M

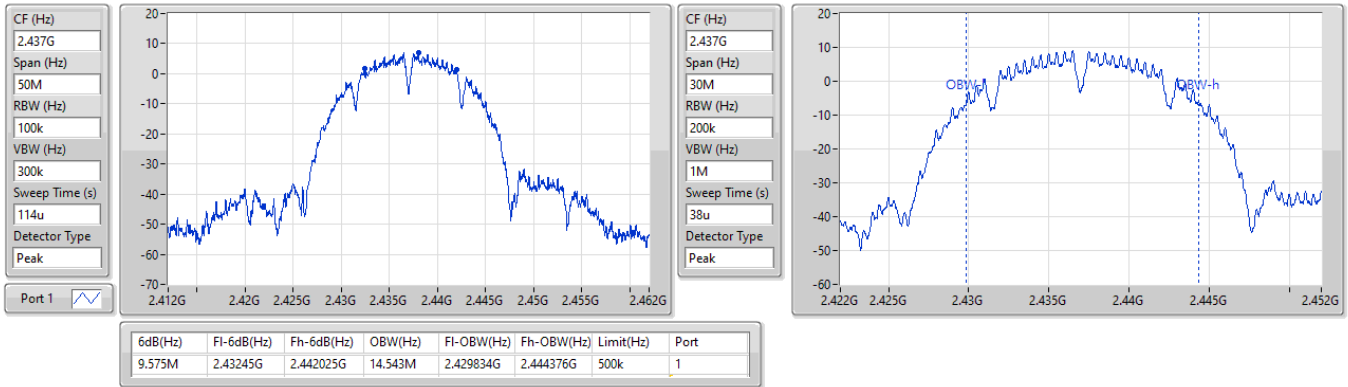
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

2437MHz

16/10/2024

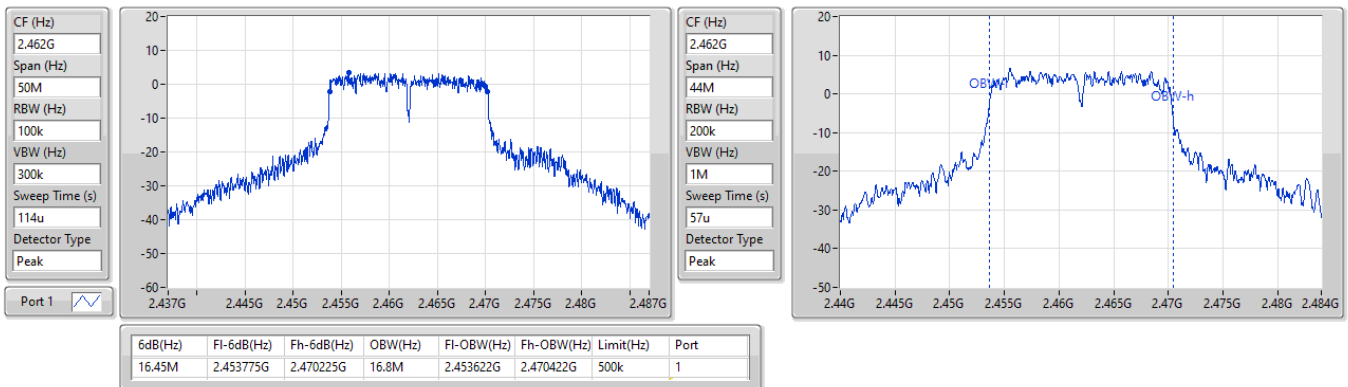


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

EBW

2462MHz

16/10/2024

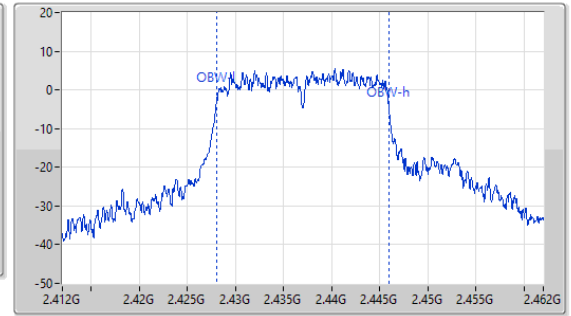
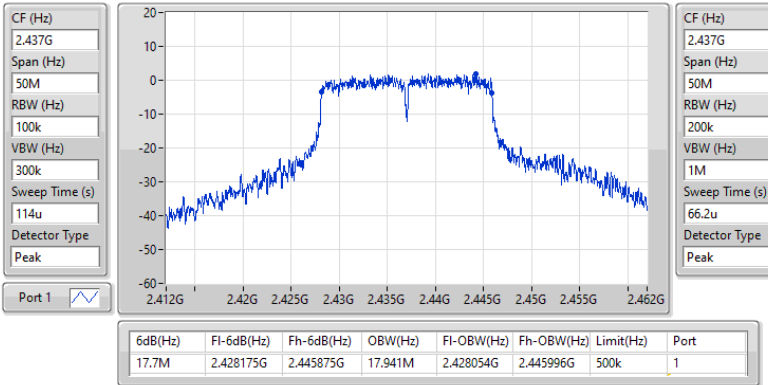


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

EBW

2437MHz

16/10/2024

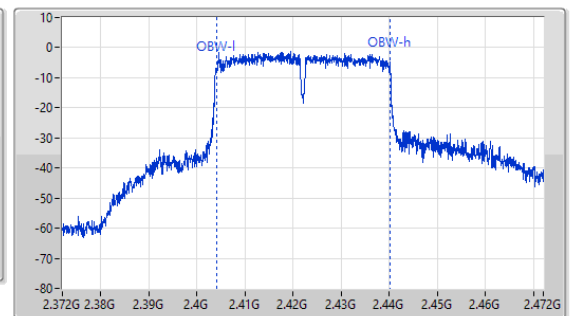
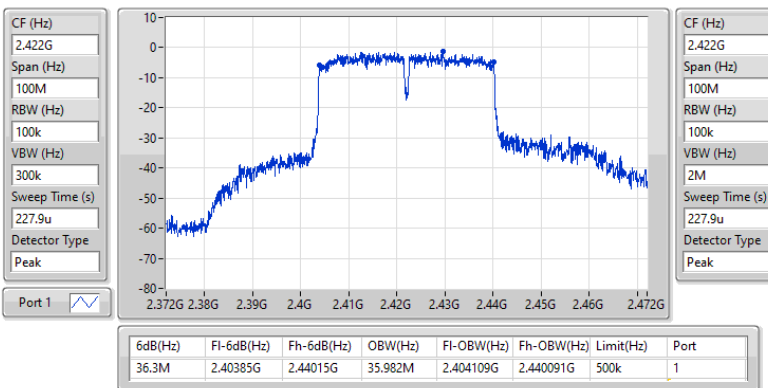


2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX

EBW

2422MHz

16/10/2024





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	17.97	0.06266
802.11g_Nss1,(6Mbps)_1TX	19.63	0.09183
802.11n HT20_Nss1,(MCS0)_1TX	16.96	0.04966
802.11n HT40_Nss1,(MCS0)_1TX	16.71	0.04688

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.84	17.66	17.66	30.00
2417MHz	Pass	2.84	17.97	17.97	30.00
2437MHz	Pass	4.45	17.52	17.52	30.00
2457MHz	Pass	4.45	17.71	17.71	30.00
2462MHz	Pass	4.45	17.83	17.83	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.84	17.03	17.03	30.00
2417MHz	Pass	2.84	18.37	18.37	30.00
2437MHz	Pass	4.45	19.63	19.63	30.00
2457MHz	Pass	4.45	19.10	19.10	30.00
2462MHz	Pass	4.45	18.09	18.09	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.84	16.61	16.61	30.00
2417MHz	Pass	2.84	16.59	16.59	30.00
2437MHz	Pass	4.45	16.66	16.66	30.00
2457MHz	Pass	4.45	16.79	16.79	30.00
2462MHz	Pass	4.45	16.96	16.96	30.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.84	15.93	15.93	30.00
2427MHz	Pass	4.45	15.64	15.64	30.00
2437MHz	Pass	4.45	16.71	16.71	30.00
2447MHz	Pass	4.45	16.12	16.12	30.00
2452MHz	Pass	4.45	15.19	15.19	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	-5.55
802.11g_Nss1,(6Mbps)_1TX	-5.82
802.11n HT20_Nss1,(MCS0)_1TX	-9.13
802.11n HT40_Nss1,(MCS0)_1TX	-11.86

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.84	-6.91	-6.91	8.00
2437MHz	Pass	4.45	-5.96	-5.96	8.00
2462MHz	Pass	4.45	-5.55	-5.55	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.84	-9.31	-9.31	8.00
2437MHz	Pass	4.45	-5.82	-5.82	8.00
2462MHz	Pass	4.45	-8.09	-8.09	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.84	-9.45	-9.45	8.00
2437MHz	Pass	4.45	-9.50	-9.50	8.00
2462MHz	Pass	4.45	-9.13	-9.13	8.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.84	-13.26	-13.26	8.00
2437MHz	Pass	4.45	-11.86	-11.86	8.00
2452MHz	Pass	4.45	-13.03	-13.03	8.00

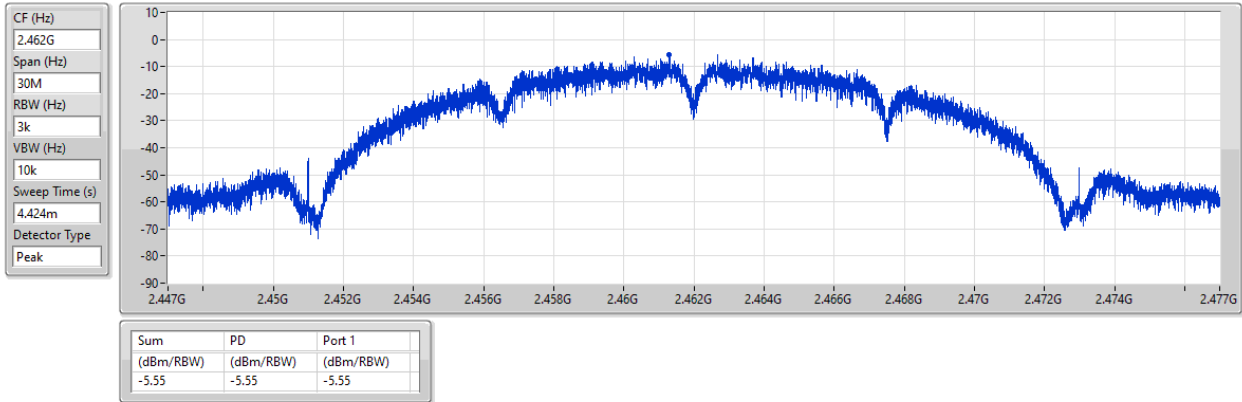
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

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

PSD

2462MHz

16/10/2024

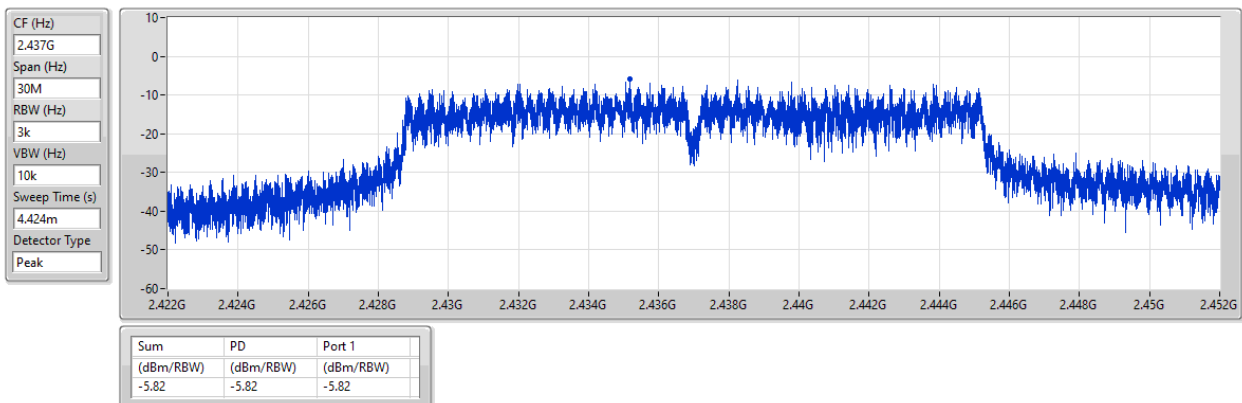


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

16/10/2024

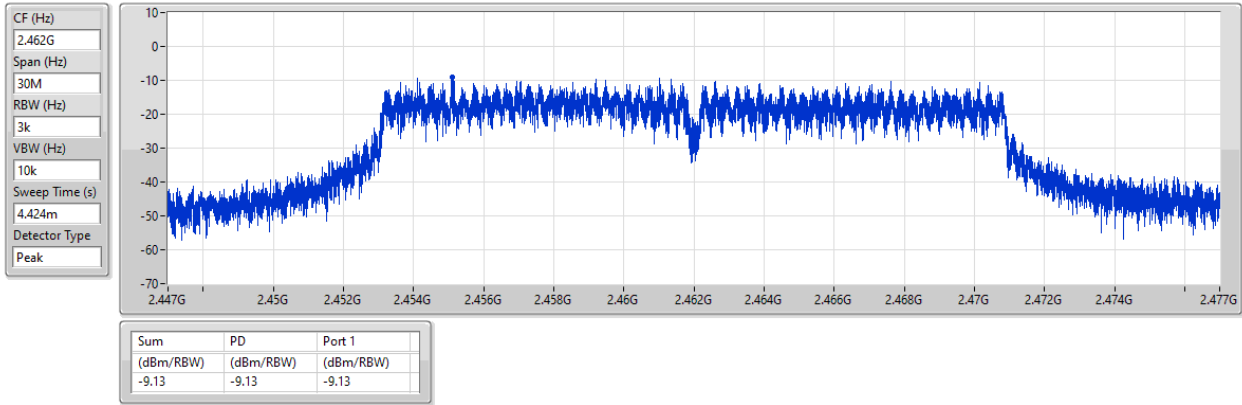


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

PSD

2462MHz

16/10/2024

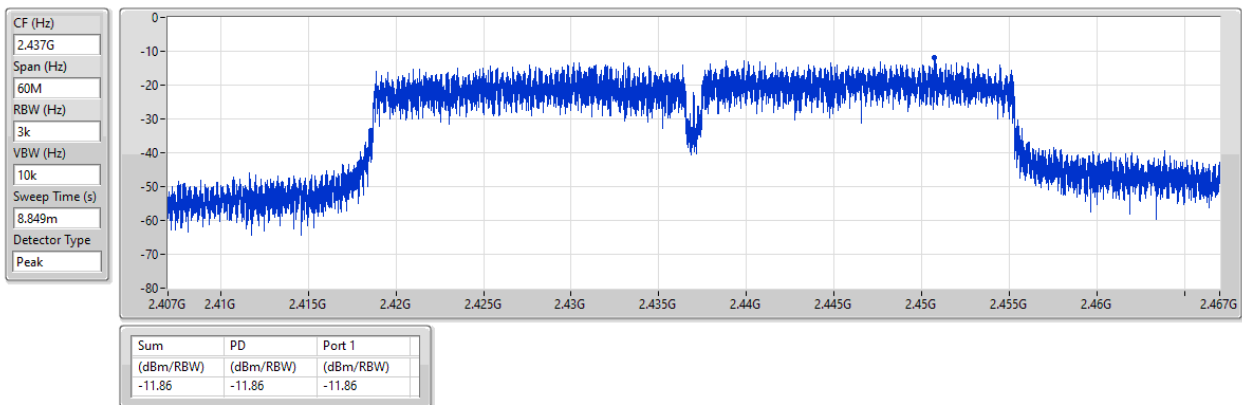


2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX

PSD

2437MHz

16/10/2024





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	2.46263G	8.99	-21.01	1.8276G	-56.17	2.4G	-34.13	2.4G	-33.34	2.5055G	-53.16	16.31283G	-41.92	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43824G	8.80	-21.20	2.16312G	-55.94	2.398G	-23.23	2.4G	-24.92	2.50934G	-53.94	17.60523G	-42.52	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.45578G	5.44	-24.56	2.30758G	-55.04	2.39976G	-25.01	2.4G	-25.95	2.51118G	-54.05	17.68109G	-41.41	1
802.11n HT40_Nss1,(MCS0)_1TX	Pass	2.44826G	2.83	-27.17	2.18718G	-55.11	2.39984G	-29.39	2.4G	-33.50	2.51022G	-53.08	17.64924G	-40.68	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	2.46263G	8.99	-21.01	1.8276G	-56.17	2.4G	-34.13	2.4G	-33.34	2.5055G	-53.16	16.31283G	-41.92	1
2437MHz	Pass	2.46263G	8.99	-21.01	871.13M	-55.35	2.39672G	-52.38	2.4G	-54.31	2.52222G	-53.61	17.3018G	-42.39	1
2462MHz	Pass	2.46263G	8.99	-21.01	2.15613G	-56.43	2.39104G	-52.30	2.4G	-54.87	2.50822G	-53.84	16.65841G	-42.12	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	8.80	-21.20	2.16312G	-55.94	2.398G	-23.23	2.4G	-24.92	2.50934G	-53.94	17.60523G	-42.52	1
2437MHz	Pass	2.43824G	8.80	-21.20	774.44M	-55.83	2.39792G	-37.69	2.4G	-38.14	2.5215G	-54.04	17.60242G	-42.40	1
2462MHz	Pass	2.43824G	8.80	-21.20	2.30758G	-55.60	2.3992G	-50.46	2.4G	-50.30	2.50158G	-53.37	24.5898G	-42.59	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.45578G	5.44	-24.56	2.30758G	-55.04	2.39976G	-25.01	2.4G	-25.95	2.51118G	-54.05	17.68109G	-41.41	1
2437MHz	Pass	2.45578G	5.44	-24.56	1.96041G	-56.08	2.39992G	-44.44	2.4G	-43.77	2.50694G	-53.58	17.6558G	-42.33	1
2462MHz	Pass	2.45578G	5.44	-24.56	2.0571G	-54.51	2.39952G	-51.67	2.4G	-53.34	2.51742G	-53.79	16.62188G	-42.05	1
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44826G	2.83	-27.17	2.18718G	-55.11	2.39984G	-29.39	2.4G	-33.50	2.51022G	-53.08	17.64924G	-40.68	1
2437MHz	Pass	2.44826G	2.83	-27.17	2.05551G	-55.58	2.3936G	-36.43	2.4G	-35.69	2.52798G	-54.16	16.87799G	-42.69	1
2452MHz	Pass	2.44826G	2.83	-27.17	2.11848G	-56.22	2.39936G	-44.19	2.4G	-46.30	2.51262G	-52.57	23.28361G	-41.81	1

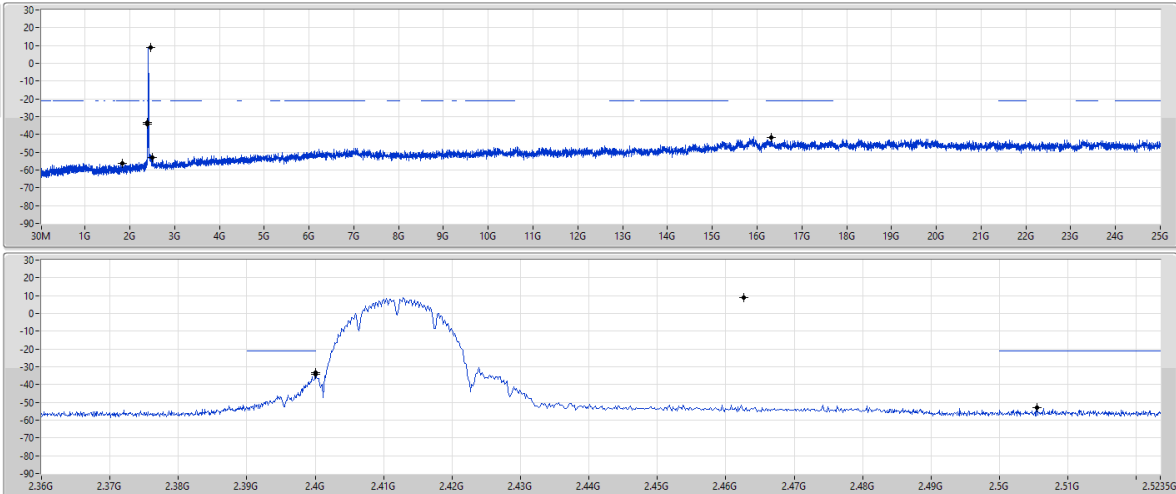
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

CSEndB

2412MHz

16/10/2024

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



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46263G	8.99	-21.01	1.8276G	-56.17	2.4G	-34.13	2.4G	-33.34	2.5055G	-53.16	16.31283G	-41.92	1

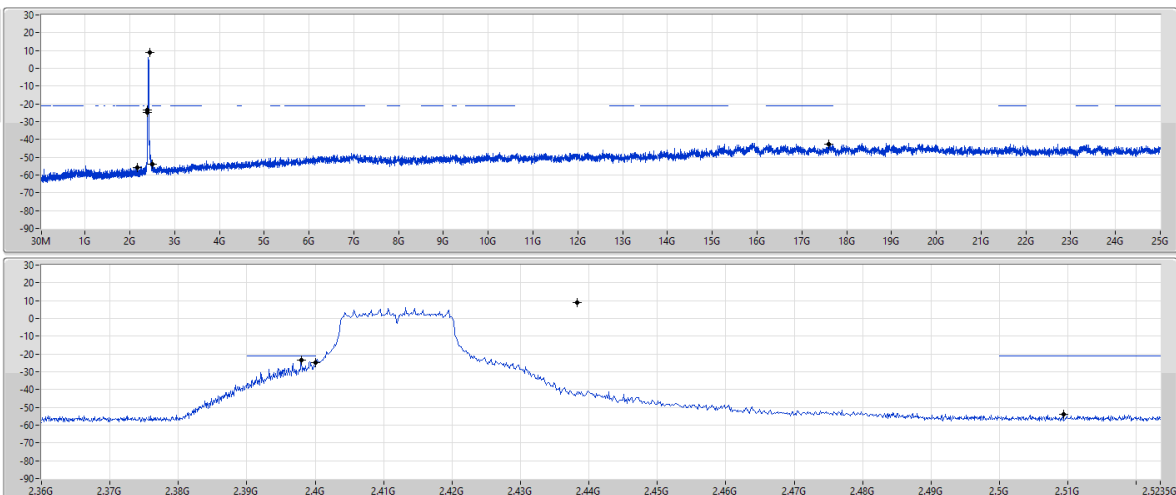
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

CSEndB

2412MHz

16/10/2024

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



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	8.80	-21.20	2.16312G	-55.94	2.398G	-23.23	2.4G	-24.92	2.50934G	-53.94	17.60523G	-42.52	1

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

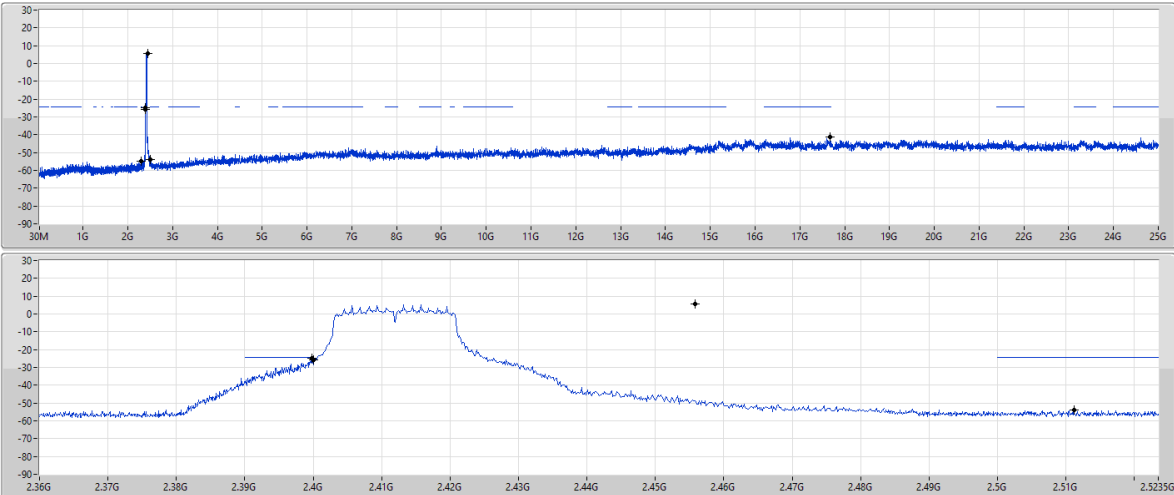
CSEndB

2412MHz

16/10/2024

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

Port 1



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
2.45578G	5.44	-24.56	2.30758G	-55.04	2.39976G	-25.01	2.4G	-25.95	2.51118G	-54.05	17.68109G	-41.41	1

2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX

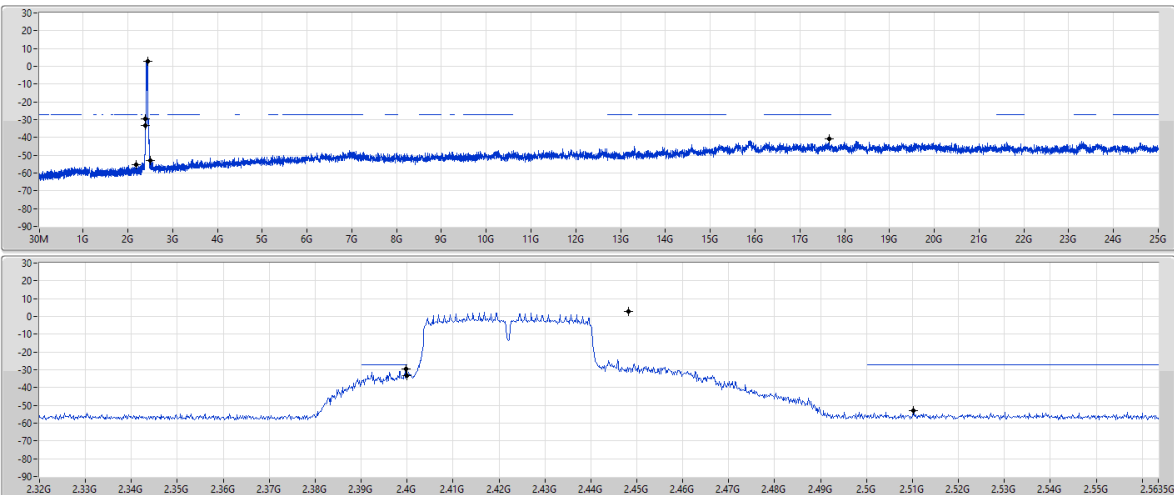
CSEndB

2422MHz

16/10/2024

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

Port 1



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
2.44826G	2.83	-27.17	2.18718G	-55.11	2.39984G	-29.39	2.4G	-33.50	2.51022G	-53.08	17.64924G	-40.68	1



Summar

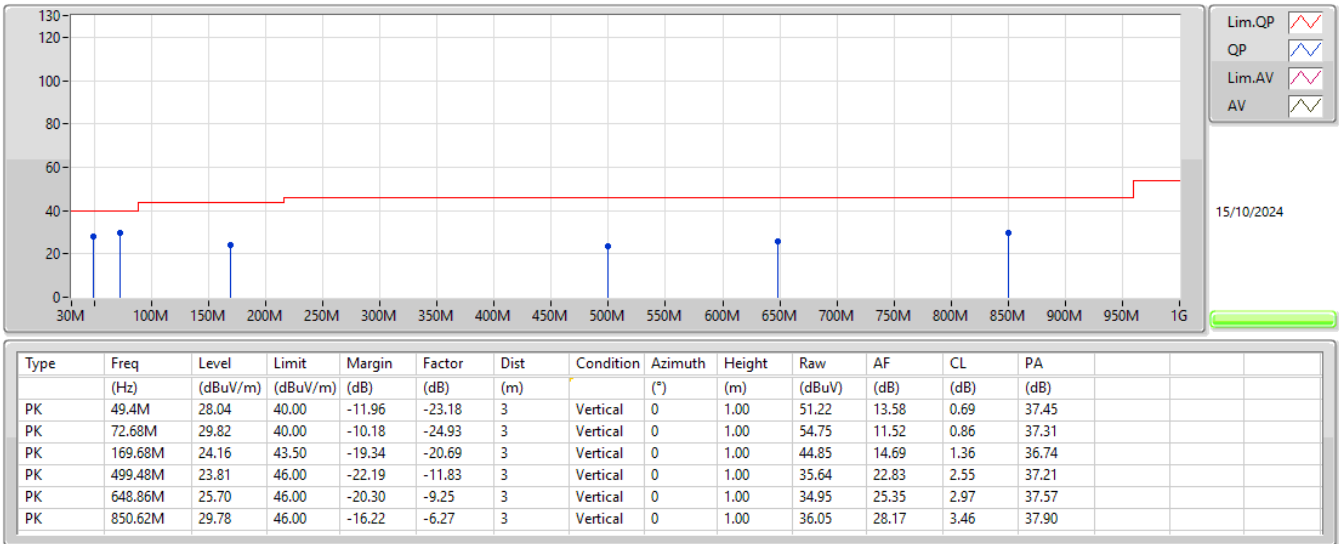
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11g_Nss1,(6Mbps)_1TX	Pass	PK	72.68M	29.82	40.00	-10.18	3	Vertical	0	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2437MHz_PoE	Pass	PK	49.4M	28.04	40.00	-11.96	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	72.68M	29.82	40.00	-10.18	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	169.68M	24.16	43.50	-19.34	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	499.48M	23.81	46.00	-22.19	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	648.86M	25.70	46.00	-20.30	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	850.62M	29.78	46.00	-16.22	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	72.68M	24.55	40.00	-15.45	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	117.3M	27.08	43.50	-16.42	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	171.62M	24.71	43.50	-18.79	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	278.32M	24.88	46.00	-21.12	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	398.6M	24.00	46.00	-22.00	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	887.48M	29.08	46.00	-16.92	3	Horizontal	360	1.00

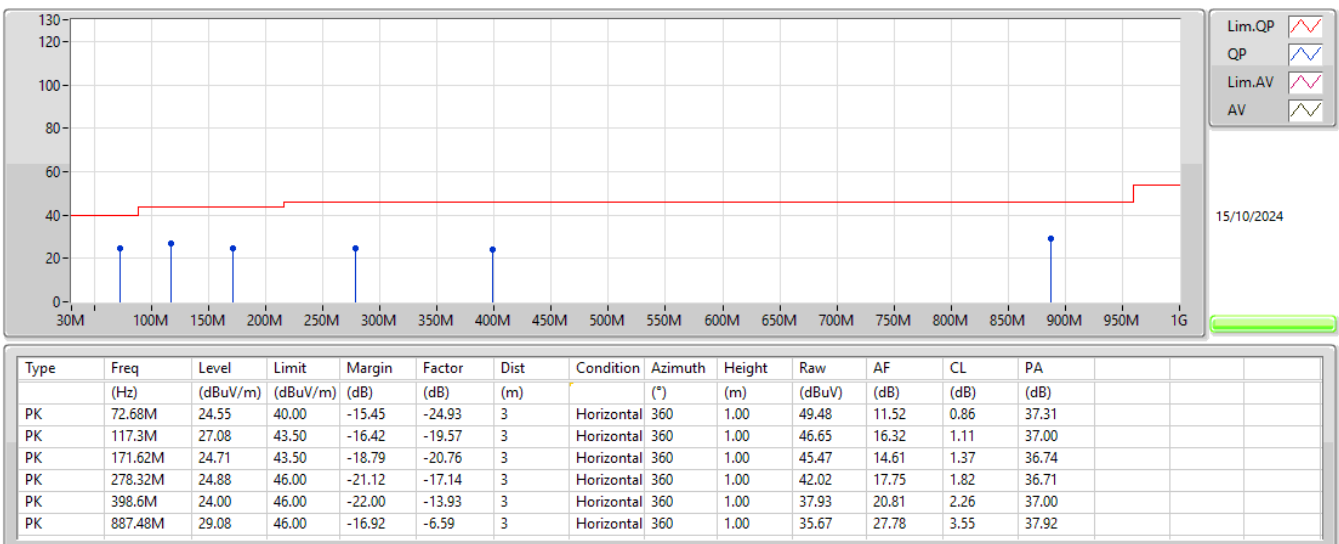
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2437MHz_PoE



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

2437MHz_PoE



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)_1TX	Pass	AV	2.39G	53.31	54.00	-0.69	3	Horizontal	8	1.50
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.39G	53.74	54.00	-0.26	3	Horizontal	12	1.50
802.11n HT20_Nss1,(MCS0)_1TX	Pass	PK	2.4836G	73.92	74.00	-0.08	3	Horizontal	360	1.50
802.11n HT40_Nss1,(MCS0)_1TX	Pass	AV	2.4835G	53.86	54.00	-0.14	3	Horizontal	360	1.50

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz_TX	Pass	AV	2.39G	45.58	54.00	-8.42	3	Vertical	288	1.50
2412MHz_TX	Pass	AV	2.4128G	95.31	Inf	-Inf	3	Vertical	288	1.50
2412MHz_TX	Pass	PK	2.3884G	59.61	74.00	-14.39	3	Vertical	288	1.50
2412MHz_TX	Pass	PK	2.4118G	98.10	Inf	-Inf	3	Vertical	288	1.50
2412MHz_TX	Pass	AV	2.3884G	50.53	54.00	-3.47	3	Horizontal	23	1.50
2412MHz_TX	Pass	AV	2.4128G	108.63	Inf	-Inf	3	Horizontal	23	1.50
2412MHz_TX	Pass	PK	2.3888G	60.93	74.00	-13.07	3	Horizontal	23	1.50
2412MHz_TX	Pass	PK	2.412G	111.44	Inf	-Inf	3	Horizontal	23	1.50
2412MHz_TX	Pass	AV	4.82608G	33.39	54.00	-20.61	3	Vertical	161	1.50
2412MHz_TX	Pass	PK	4.8298G	47.34	74.00	-26.66	3	Vertical	161	1.50
2412MHz_TX	Pass	AV	4.81536G	33.42	54.00	-20.58	3	Horizontal	360	1.50
2412MHz_TX	Pass	PK	4.82776G	46.90	74.00	-27.10	3	Horizontal	360	1.50
2417MHz_TX	Pass	AV	2.39G	45.93	54.00	-8.07	3	Vertical	308	3.00
2417MHz_TX	Pass	AV	2.4162G	97.85	Inf	-Inf	3	Vertical	308	3.00
2417MHz_TX	Pass	PK	2.3798G	58.97	74.00	-15.03	3	Vertical	308	3.00
2417MHz_TX	Pass	PK	2.4168G	100.92	Inf	-Inf	3	Vertical	308	3.00
2417MHz_TX	Pass	AV	2.39G	53.31	54.00	-0.69	3	Horizontal	8	1.50
2417MHz_TX	Pass	AV	2.4162G	109.06	Inf	-Inf	3	Horizontal	8	1.50
2417MHz_TX	Pass	PK	2.3898G	61.63	74.00	-12.37	3	Horizontal	8	1.50
2417MHz_TX	Pass	PK	2.417G	111.98	Inf	-Inf	3	Horizontal	8	1.50
2437MHz_TX	Pass	AV	2.3894G	45.49	54.00	-8.51	3	Vertical	43	1.50
2437MHz_TX	Pass	AV	2.4386G	98.58	Inf	-Inf	3	Vertical	43	1.50
2437MHz_TX	Pass	AV	2.485G	46.60	54.00	-7.40	3	Vertical	43	1.50
2437MHz_TX	Pass	PK	2.383G	58.91	74.00	-15.09	3	Vertical	43	1.50
2437MHz_TX	Pass	PK	2.4386G	101.70	Inf	-Inf	3	Vertical	43	1.50
2437MHz_TX	Pass	PK	2.485G	59.68	74.00	-14.32	3	Vertical	43	1.50
2437MHz_TX	Pass	AV	2.389G	50.29	54.00	-3.71	3	Horizontal	360	1.50
2437MHz_TX	Pass	AV	2.4386G	109.25	Inf	-Inf	3	Horizontal	360	1.50
2437MHz_TX	Pass	AV	2.4846G	52.15	54.00	-1.85	3	Horizontal	360	1.50
2437MHz_TX	Pass	PK	2.3894G	60.14	74.00	-13.86	3	Horizontal	360	1.50
2437MHz_TX	Pass	PK	2.4398G	112.00	Inf	-Inf	3	Horizontal	360	1.50
2437MHz_TX	Pass	PK	2.4838G	60.91	74.00	-13.09	3	Horizontal	360	1.50
2437MHz_TX	Pass	AV	4.88292G	33.20	54.00	-20.80	3	Vertical	135	2.86
2437MHz_TX	Pass	PK	4.879G	46.32	74.00	-27.68	3	Vertical	135	2.86
2437MHz_TX	Pass	AV	4.88096G	33.23	54.00	-20.77	3	Horizontal	130	1.09
2437MHz_TX	Pass	PK	4.86948G	47.01	74.00	-26.99	3	Horizontal	130	1.09
2457MHz_TX	Pass	AV	2.4562G	98.67	Inf	-Inf	3	Vertical	30	1.35
2457MHz_TX	Pass	AV	2.4835G	46.91	54.00	-7.09	3	Vertical	30	1.35
2457MHz_TX	Pass	PK	2.4558G	101.82	Inf	-Inf	3	Vertical	30	1.35
2457MHz_TX	Pass	PK	2.4924G	60.41	74.00	-13.59	3	Vertical	30	1.35
2457MHz_TX	Pass	AV	2.4562G	109.82	Inf	-Inf	3	Horizontal	0	1.50
2457MHz_TX	Pass	AV	2.4835G	53.20	54.00	-0.80	3	Horizontal	0	1.50
2457MHz_TX	Pass	PK	2.457G	112.83	Inf	-Inf	3	Horizontal	0	1.50
2457MHz_TX	Pass	PK	2.4835G	61.82	74.00	-12.18	3	Horizontal	0	1.50
2462MHz_TX	Pass	AV	2.4628G	96.23	Inf	-Inf	3	Vertical	45	1.50
2462MHz_TX	Pass	AV	2.4835G	46.93	54.00	-7.07	3	Vertical	45	1.50
2462MHz_TX	Pass	PK	2.4618G	99.32	Inf	-Inf	3	Vertical	45	1.50
2462MHz_TX	Pass	PK	2.4844G	59.64	74.00	-14.36	3	Vertical	45	1.50
2462MHz_TX	Pass	AV	2.4612G	108.05	Inf	-Inf	3	Horizontal	0	1.50
2462MHz_TX	Pass	AV	2.4835G	53.19	54.00	-0.81	3	Horizontal	0	1.50
2462MHz_TX	Pass	PK	2.4618G	110.90	Inf	-Inf	3	Horizontal	0	1.50
2462MHz_TX	Pass	PK	2.4835G	61.72	74.00	-12.28	3	Horizontal	0	1.50
2462MHz_TX	Pass	AV	4.92328G	33.60	54.00	-20.40	3	Vertical	351	2.25
2462MHz_TX	Pass	PK	4.93272G	47.14	74.00	-26.86	3	Vertical	351	2.25
2462MHz_TX	Pass	AV	4.92404G	33.55	54.00	-20.45	3	Horizontal	341	1.31
2462MHz_TX	Pass	PK	4.92232G	47.24	74.00	-26.76	3	Horizontal	341	1.31
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz_TX	Pass	AV	2.39G	46.67	54.00	-7.33	3	Vertical	309	3.00
2412MHz_TX	Pass	AV	2.4154G	88.47	Inf	-Inf	3	Vertical	309	3.00
2412MHz_TX	Pass	PK	2.3898G	60.92	74.00	-13.08	3	Vertical	309	3.00

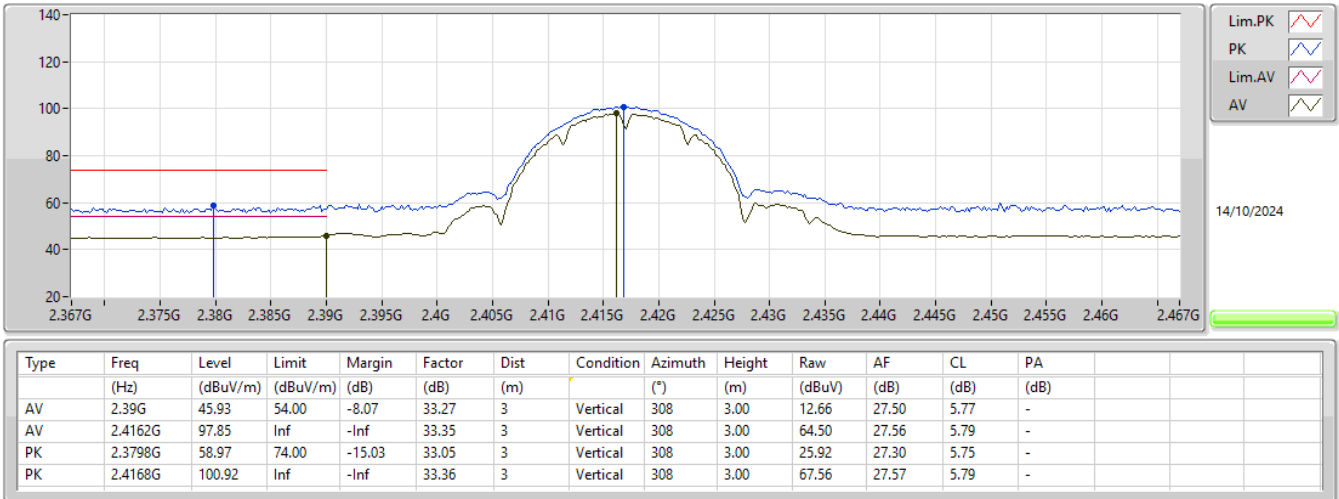
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2412MHz_TX	Pass	PK	2.4152G	98.62	Inf	-Inf	3	Vertical	309	3.00
2412MHz_TX	Pass	AV	2.39G	52.53	54.00	-1.47	3	Horizontal	24	1.50
2412MHz_TX	Pass	AV	2.4154G	98.04	Inf	-Inf	3	Horizontal	24	1.50
2412MHz_TX	Pass	PK	2.3898G	71.81	74.00	-2.19	3	Horizontal	24	1.50
2412MHz_TX	Pass	PK	2.415G	108.16	Inf	-Inf	3	Horizontal	24	1.50
2412MHz_TX	Pass	AV	4.82744G	33.94	54.00	-20.06	3	Vertical	298	1.30
2412MHz_TX	Pass	PK	4.82812G	47.41	74.00	-26.59	3	Vertical	298	1.30
2412MHz_TX	Pass	AV	4.82572G	33.93	54.00	-20.07	3	Horizontal	132	2.31
2412MHz_TX	Pass	PK	4.83264G	48.71	74.00	-25.29	3	Horizontal	132	2.31
2417MHz_TX	Pass	AV	2.39G	47.71	54.00	-6.29	3	Vertical	0	2.89
2417MHz_TX	Pass	AV	2.4136G	92.93	Inf	-Inf	3	Vertical	0	2.89
2417MHz_TX	Pass	PK	2.3892G	62.40	74.00	-11.60	3	Vertical	0	2.89
2417MHz_TX	Pass	PK	2.4198G	103.90	Inf	-Inf	3	Vertical	0	2.89
2417MHz_TX	Pass	AV	2.39G	53.74	54.00	-0.26	3	Horizontal	12	1.50
2417MHz_TX	Pass	AV	2.4136G	102.18	Inf	-Inf	3	Horizontal	12	1.50
2417MHz_TX	Pass	PK	2.39G	70.27	74.00	-3.73	3	Horizontal	12	1.50
2417MHz_TX	Pass	PK	2.4196G	112.80	Inf	-Inf	3	Horizontal	12	1.50
2437MHz_TX	Pass	AV	2.3898G	45.79	54.00	-8.21	3	Vertical	46	1.50
2437MHz_TX	Pass	AV	2.4398G	90.51	Inf	-Inf	3	Vertical	46	1.50
2437MHz_TX	Pass	AV	2.4835G	48.61	54.00	-5.39	3	Vertical	46	1.50
2437MHz_TX	Pass	PK	2.3882G	60.00	74.00	-14.00	3	Vertical	46	1.50
2437MHz_TX	Pass	PK	2.4406G	101.13	Inf	-Inf	3	Vertical	46	1.50
2437MHz_TX	Pass	PK	2.4842G	62.54	74.00	-11.46	3	Vertical	46	1.50
2437MHz_TX	Pass	AV	2.3898G	51.06	54.00	-2.94	3	Horizontal	19	1.50
2437MHz_TX	Pass	AV	2.4438G	100.67	Inf	-Inf	3	Horizontal	19	1.50
2437MHz_TX	Pass	AV	2.4835G	53.74	54.00	-0.26	3	Horizontal	19	1.50
2437MHz_TX	Pass	PK	2.3898G	67.06	74.00	-6.94	3	Horizontal	19	1.50
2437MHz_TX	Pass	PK	2.4326G	111.72	Inf	-Inf	3	Horizontal	19	1.50
2437MHz_TX	Pass	PK	2.4838G	69.39	74.00	-4.61	3	Horizontal	19	1.50
2437MHz_TX	Pass	AV	4.88364G	34.05	54.00	-19.95	3	Vertical	145	1.50
2437MHz_TX	Pass	PK	4.8704G	47.93	74.00	-26.07	3	Vertical	145	1.50
2437MHz_TX	Pass	AV	4.8834G	34.07	54.00	-19.93	3	Horizontal	201	1.00
2437MHz_TX	Pass	PK	4.87072G	47.53	74.00	-26.47	3	Horizontal	201	1.00
2457MHz_TX	Pass	AV	2.4536G	88.79	Inf	-Inf	3	Vertical	42	1.50
2457MHz_TX	Pass	AV	2.4836G	47.21	54.00	-6.79	3	Vertical	42	1.50
2457MHz_TX	Pass	PK	2.4522G	99.46	Inf	-Inf	3	Vertical	42	1.50
2457MHz_TX	Pass	PK	2.4835G	62.65	74.00	-11.35	3	Vertical	42	1.50
2457MHz_TX	Pass	AV	2.4534G	102.57	Inf	-Inf	3	Horizontal	360	1.50
2457MHz_TX	Pass	AV	2.4835G	53.56	54.00	-0.44	3	Horizontal	360	1.50
2457MHz_TX	Pass	PK	2.4522G	113.17	Inf	-Inf	3	Horizontal	360	1.50
2457MHz_TX	Pass	PK	2.4835G	73.35	74.00	-0.65	3	Horizontal	360	1.50
2462MHz_TX	Pass	AV	2.4554G	89.80	Inf	-Inf	3	Vertical	45	1.37
2462MHz_TX	Pass	AV	2.4835G	47.84	54.00	-6.16	3	Vertical	45	1.37
2462MHz_TX	Pass	PK	2.4554G	100.11	Inf	-Inf	3	Vertical	45	1.37
2462MHz_TX	Pass	PK	2.4852G	62.86	74.00	-11.14	3	Vertical	45	1.37
2462MHz_TX	Pass	AV	2.4574G	97.98	Inf	-Inf	3	Horizontal	20	1.50
2462MHz_TX	Pass	AV	2.4835G	52.00	54.00	-2.00	3	Horizontal	20	1.50
2462MHz_TX	Pass	PK	2.4552G	108.07	Inf	-Inf	3	Horizontal	20	1.50
2462MHz_TX	Pass	PK	2.4836G	69.66	74.00	-4.34	3	Horizontal	20	1.50
2462MHz_TX	Pass	AV	4.9302G	34.35	54.00	-19.65	3	Vertical	56	2.77
2462MHz_TX	Pass	PK	4.91416G	48.07	74.00	-25.93	3	Vertical	56	2.77
2462MHz_TX	Pass	AV	4.92804G	34.47	54.00	-19.53	3	Horizontal	315	1.41
2462MHz_TX	Pass	PK	4.91744G	48.97	74.00	-25.03	3	Horizontal	315	1.41
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz_TX	Pass	AV	2.3898G	48.96	54.00	-5.04	3	Vertical	0	2.90
2412MHz_TX	Pass	AV	2.4134G	90.59	Inf	-Inf	3	Vertical	0	2.90
2412MHz_TX	Pass	PK	2.39G	64.04	74.00	-9.96	3	Vertical	0	2.90
2412MHz_TX	Pass	PK	2.4152G	100.32	Inf	-Inf	3	Vertical	0	2.90
2412MHz_TX	Pass	AV	2.39G	53.62	54.00	-0.38	3	Horizontal	24	1.50
2412MHz_TX	Pass	AV	2.4132G	97.49	Inf	-Inf	3	Horizontal	24	1.50
2412MHz_TX	Pass	PK	2.39G	71.07	74.00	-2.93	3	Horizontal	24	1.50
2412MHz_TX	Pass	PK	2.4154G	106.94	Inf	-Inf	3	Horizontal	24	1.50

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2412MHz_TX	Pass	AV	4.8264G	34.28	54.00	-19.72	3	Vertical	298	1.50
2412MHz_TX	Pass	PK	4.82582G	47.67	74.00	-26.33	3	Vertical	298	1.50
2412MHz_TX	Pass	AV	4.82206G	34.33	54.00	-19.67	3	Horizontal	41	1.50
2412MHz_TX	Pass	PK	4.82389G	47.84	74.00	-26.16	3	Horizontal	41	1.50
2417MHz_TX	Pass	AV	2.3898G	47.30	54.00	-6.70	3	Vertical	314	2.85
2417MHz_TX	Pass	AV	2.4132G	90.06	Inf	-Inf	3	Vertical	314	2.85
2417MHz_TX	Pass	PK	2.39G	61.53	74.00	-12.47	3	Vertical	314	2.85
2417MHz_TX	Pass	PK	2.4114G	100.09	Inf	-Inf	3	Vertical	314	2.85
2417MHz_TX	Pass	AV	2.39G	53.20	54.00	-0.80	3	Horizontal	7	1.50
2417MHz_TX	Pass	AV	2.415G	99.89	Inf	-Inf	3	Horizontal	7	1.50
2417MHz_TX	Pass	PK	2.3898G	68.35	74.00	-5.65	3	Horizontal	7	1.50
2417MHz_TX	Pass	PK	2.4136G	109.80	Inf	-Inf	3	Horizontal	7	1.50
2437MHz_TX	Pass	AV	2.3894G	46.14	54.00	-7.86	3	Vertical	39	1.00
2437MHz_TX	Pass	AV	2.4442G	89.78	Inf	-Inf	3	Vertical	39	1.00
2437MHz_TX	Pass	AV	2.4835G	48.37	54.00	-5.63	3	Vertical	39	1.00
2437MHz_TX	Pass	PK	2.3866G	59.12	74.00	-14.88	3	Vertical	39	1.00
2437MHz_TX	Pass	PK	2.4418G	100.47	Inf	-Inf	3	Vertical	39	1.00
2437MHz_TX	Pass	PK	2.4835G	62.00	74.00	-12.00	3	Vertical	39	1.00
2437MHz_TX	Pass	AV	2.3898G	49.90	54.00	-4.10	3	Horizontal	360	1.50
2437MHz_TX	Pass	AV	2.4442G	100.52	Inf	-Inf	3	Horizontal	360	1.50
2437MHz_TX	Pass	AV	2.4835G	53.80	54.00	-0.20	3	Horizontal	360	1.50
2437MHz_TX	Pass	PK	2.3898G	63.98	74.00	-10.02	3	Horizontal	360	1.50
2437MHz_TX	Pass	PK	2.4434G	111.09	Inf	-Inf	3	Horizontal	360	1.50
2437MHz_TX	Pass	PK	2.4838G	68.92	74.00	-5.08	3	Horizontal	360	1.50
2437MHz_TX	Pass	AV	4.8743G	34.64	54.00	-19.36	3	Vertical	360	1.50
2437MHz_TX	Pass	PK	4.87384G	48.52	74.00	-25.48	3	Vertical	360	1.50
2437MHz_TX	Pass	AV	4.87554G	34.48	54.00	-19.52	3	Horizontal	235	1.31
2437MHz_TX	Pass	PK	4.87471G	47.96	74.00	-26.04	3	Horizontal	235	1.31
2457MHz_TX	Pass	AV	2.4532G	87.33	Inf	-Inf	3	Vertical	42	1.50
2457MHz_TX	Pass	AV	2.4835G	47.42	54.00	-6.58	3	Vertical	42	1.50
2457MHz_TX	Pass	PK	2.4534G	97.98	Inf	-Inf	3	Vertical	42	1.50
2457MHz_TX	Pass	PK	2.4835G	62.78	74.00	-11.22	3	Vertical	42	1.50
2457MHz_TX	Pass	AV	2.454G	101.04	Inf	-Inf	3	Horizontal	360	1.50
2457MHz_TX	Pass	AV	2.4835G	53.09	54.00	-0.91	3	Horizontal	360	1.50
2457MHz_TX	Pass	PK	2.456G	111.22	Inf	-Inf	3	Horizontal	360	1.50
2457MHz_TX	Pass	PK	2.4852G	70.17	74.00	-3.83	3	Horizontal	360	1.50
2462MHz_TX	Pass	AV	2.4582G	85.62	Inf	-Inf	3	Vertical	39	1.50
2462MHz_TX	Pass	AV	2.4836G	47.99	54.00	-6.01	3	Vertical	39	1.50
2462MHz_TX	Pass	PK	2.4576G	96.06	Inf	-Inf	3	Vertical	39	1.50
2462MHz_TX	Pass	PK	2.4836G	64.28	74.00	-9.72	3	Vertical	39	1.50
2462MHz_TX	Pass	AV	2.456G	99.21	Inf	-Inf	3	Horizontal	360	1.50
2462MHz_TX	Pass	AV	2.4835G	53.47	54.00	-0.53	3	Horizontal	360	1.50
2462MHz_TX	Pass	PK	2.4576G	109.66	Inf	-Inf	3	Horizontal	360	1.50
2462MHz_TX	Pass	PK	2.4836G	73.92	74.00	-0.08	3	Horizontal	360	1.50
2462MHz_TX	Pass	AV	4.92279G	34.73	54.00	-19.27	3	Vertical	20	1.50
2462MHz_TX	Pass	PK	4.92292G	48.72	74.00	-25.28	3	Vertical	20	1.50
2462MHz_TX	Pass	AV	4.92336G	34.81	54.00	-19.19	3	Horizontal	238	1.50
2462MHz_TX	Pass	PK	4.92316G	48.26	74.00	-25.74	3	Horizontal	238	1.50
802.11n HT40_Nss1(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
2422MHz_TX	Pass	AV	2.3884G	47.03	54.00	-6.97	3	Vertical	39	1.50
2422MHz_TX	Pass	AV	2.436G	80.89	Inf	-Inf	3	Vertical	39	1.50
2422MHz_TX	Pass	AV	2.498G	47.41	54.00	-6.59	3	Vertical	39	1.50
2422MHz_TX	Pass	PK	2.3888G	59.43	74.00	-14.57	3	Vertical	39	1.50
2422MHz_TX	Pass	PK	2.4308G	91.48	Inf	-Inf	3	Vertical	39	1.50
2422MHz_TX	Pass	PK	2.4988G	59.80	74.00	-14.20	3	Vertical	39	1.50
2422MHz_TX	Pass	AV	2.39G	53.17	54.00	-0.83	3	Horizontal	7	1.50
2422MHz_TX	Pass	AV	2.4144G	94.98	Inf	-Inf	3	Horizontal	7	1.50
2422MHz_TX	Pass	AV	2.4835G	47.73	54.00	-6.27	3	Horizontal	7	1.50
2422MHz_TX	Pass	PK	2.3896G	72.51	74.00	-1.49	3	Horizontal	7	1.50
2422MHz_TX	Pass	PK	2.4152G	105.46	Inf	-Inf	3	Horizontal	7	1.50
2422MHz_TX	Pass	PK	2.4868G	60.98	74.00	-13.02	3	Horizontal	7	1.50
2422MHz_TX	Pass	AV	4.84299G	34.74	54.00	-19.26	3	Vertical	29	1.70

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2422MHz_TX	Pass	PK	4.84512G	47.33	74.00	-26.67	3	Vertical	29	1.70
2422MHz_TX	Pass	AV	4.84572G	34.74	54.00	-19.26	3	Horizontal	222	1.50
2422MHz_TX	Pass	PK	4.84295G	47.44	74.00	-26.56	3	Horizontal	222	1.50
2427MHz_TX	Pass	AV	2.3898G	47.49	54.00	-6.51	3	Vertical	42	1.00
2427MHz_TX	Pass	AV	2.441G	83.03	Inf	-Inf	3	Vertical	42	1.00
2427MHz_TX	Pass	AV	2.4966G	47.28	54.00	-6.72	3	Vertical	42	1.00
2427MHz_TX	Pass	PK	2.3894G	62.52	74.00	-11.48	3	Vertical	42	1.00
2427MHz_TX	Pass	PK	2.4422G	94.24	Inf	-Inf	3	Vertical	42	1.00
2427MHz_TX	Pass	PK	2.4854G	60.40	74.00	-13.60	3	Vertical	42	1.00
2427MHz_TX	Pass	AV	2.3898G	53.64	54.00	-0.36	3	Horizontal	360	1.50
2427MHz_TX	Pass	AV	2.4166G	93.90	Inf	-Inf	3	Horizontal	360	1.50
2427MHz_TX	Pass	AV	2.4835G	48.59	54.00	-5.41	3	Horizontal	360	1.50
2427MHz_TX	Pass	PK	2.389G	71.59	74.00	-2.41	3	Horizontal	360	1.50
2427MHz_TX	Pass	PK	2.4198G	103.65	Inf	-Inf	3	Horizontal	360	1.50
2427MHz_TX	Pass	PK	2.4842G	62.94	74.00	-11.06	3	Horizontal	360	1.50
2437MHz_TX	Pass	AV	2.389G	47.01	54.00	-6.99	3	Vertical	39	1.00
2437MHz_TX	Pass	AV	2.4506G	85.69	Inf	-Inf	3	Vertical	39	1.00
2437MHz_TX	Pass	AV	2.4838G	48.93	54.00	-5.07	3	Vertical	39	1.00
2437MHz_TX	Pass	PK	2.3782G	59.18	74.00	-14.82	3	Vertical	39	1.00
2437MHz_TX	Pass	PK	2.4526G	96.58	Inf	-Inf	3	Vertical	39	1.00
2437MHz_TX	Pass	PK	2.485G	62.51	74.00	-11.49	3	Vertical	39	1.00
2437MHz_TX	Pass	AV	2.3898G	50.57	54.00	-3.43	3	Horizontal	360	1.50
2437MHz_TX	Pass	AV	2.4506G	95.45	Inf	-Inf	3	Horizontal	360	1.50
2437MHz_TX	Pass	AV	2.4835G	53.33	54.00	-0.67	3	Horizontal	360	1.50
2437MHz_TX	Pass	PK	2.3898G	64.76	74.00	-9.24	3	Horizontal	360	1.50
2437MHz_TX	Pass	PK	2.4526G	106.44	Inf	-Inf	3	Horizontal	360	1.50
2437MHz_TX	Pass	PK	2.485G	68.85	74.00	-5.15	3	Horizontal	360	1.50
2437MHz_TX	Pass	AV	4.87214G	34.95	54.00	-19.05	3	Vertical	244	1.50
2437MHz_TX	Pass	PK	4.87555G	48.19	74.00	-25.81	3	Vertical	244	1.50
2437MHz_TX	Pass	AV	4.87629G	34.83	54.00	-19.17	3	Horizontal	317	1.50
2437MHz_TX	Pass	PK	4.87372G	48.17	74.00	-25.83	3	Horizontal	317	1.50
2447MHz_TX	Pass	AV	2.389G	46.51	54.00	-7.49	3	Vertical	39	1.00
2447MHz_TX	Pass	AV	2.4562G	85.66	Inf	-Inf	3	Vertical	39	1.00
2447MHz_TX	Pass	AV	2.4835G	50.77	54.00	-3.23	3	Vertical	39	1.00
2447MHz_TX	Pass	PK	2.3534G	59.39	74.00	-14.61	3	Vertical	39	1.00
2447MHz_TX	Pass	PK	2.455G	96.72	Inf	-Inf	3	Vertical	39	1.00
2447MHz_TX	Pass	PK	2.4838G	66.16	74.00	-7.84	3	Vertical	39	1.00
2447MHz_TX	Pass	AV	2.3898G	47.19	54.00	-6.81	3	Horizontal	360	1.50
2447MHz_TX	Pass	AV	2.4542G	94.74	Inf	-Inf	3	Horizontal	360	1.50
2447MHz_TX	Pass	AV	2.4835G	53.86	54.00	-0.14	3	Horizontal	360	1.50
2447MHz_TX	Pass	PK	2.389G	60.06	74.00	-13.94	3	Horizontal	360	1.50
2447MHz_TX	Pass	PK	2.4546G	104.78	Inf	-Inf	3	Horizontal	360	1.50
2447MHz_TX	Pass	PK	2.4835G	71.49	74.00	-2.51	3	Horizontal	360	1.50
2452MHz_TX	Pass	AV	2.3896G	46.53	54.00	-7.47	3	Vertical	42	1.50
2452MHz_TX	Pass	AV	2.4544G	81.42	Inf	-Inf	3	Vertical	42	1.50
2452MHz_TX	Pass	AV	2.484G	47.90	54.00	-6.10	3	Vertical	42	1.50
2452MHz_TX	Pass	PK	2.3556G	58.96	74.00	-15.04	3	Vertical	42	1.50
2452MHz_TX	Pass	PK	2.4592G	91.80	Inf	-Inf	3	Vertical	42	1.50
2452MHz_TX	Pass	PK	2.484G	61.13	74.00	-12.87	3	Vertical	42	1.50
2452MHz_TX	Pass	AV	2.3892G	46.69	54.00	-7.31	3	Horizontal	360	1.50
2452MHz_TX	Pass	AV	2.4544G	94.84	Inf	-Inf	3	Horizontal	360	1.50
2452MHz_TX	Pass	AV	2.484G	52.85	54.00	-1.15	3	Horizontal	360	1.50
2452MHz_TX	Pass	PK	2.39G	60.13	74.00	-13.87	3	Horizontal	360	1.50
2452MHz_TX	Pass	PK	2.4548G	104.72	Inf	-Inf	3	Horizontal	360	1.50
2452MHz_TX	Pass	PK	2.486G	69.13	74.00	-4.87	3	Horizontal	360	1.50
2452MHz_TX	Pass	AV	4.90581G	34.72	54.00	-19.28	3	Vertical	303	1.50
2452MHz_TX	Pass	PK	4.90547G	47.72	74.00	-26.28	3	Vertical	303	1.50
2452MHz_TX	Pass	AV	4.9037G	34.94	54.00	-19.06	3	Horizontal	164	2.77
2452MHz_TX	Pass	PK	4.90625G	47.66	74.00	-26.34	3	Horizontal	164	2.77

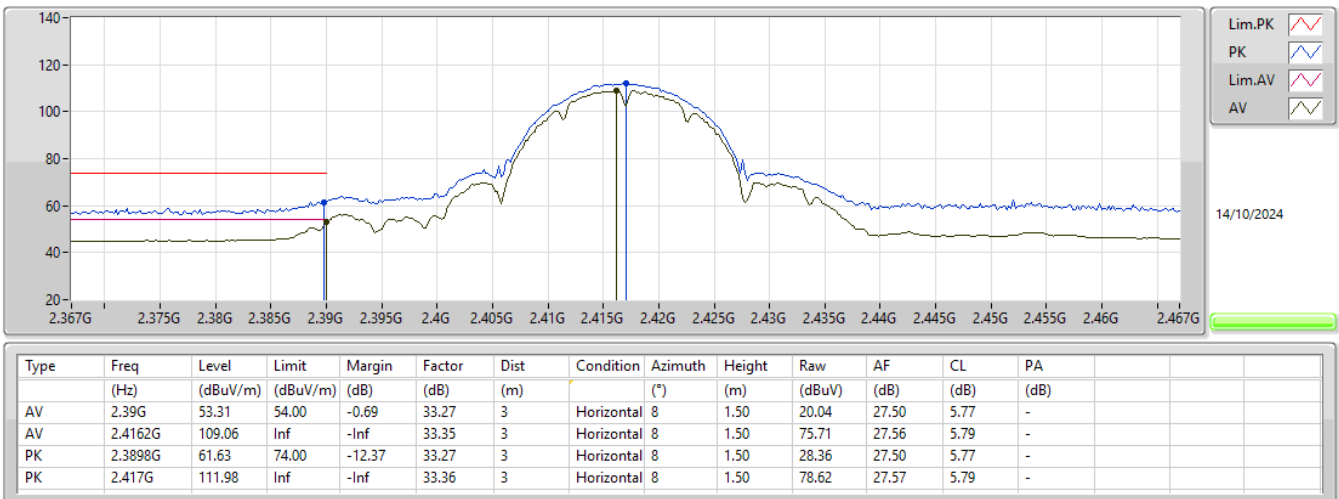
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2417MHz_TX



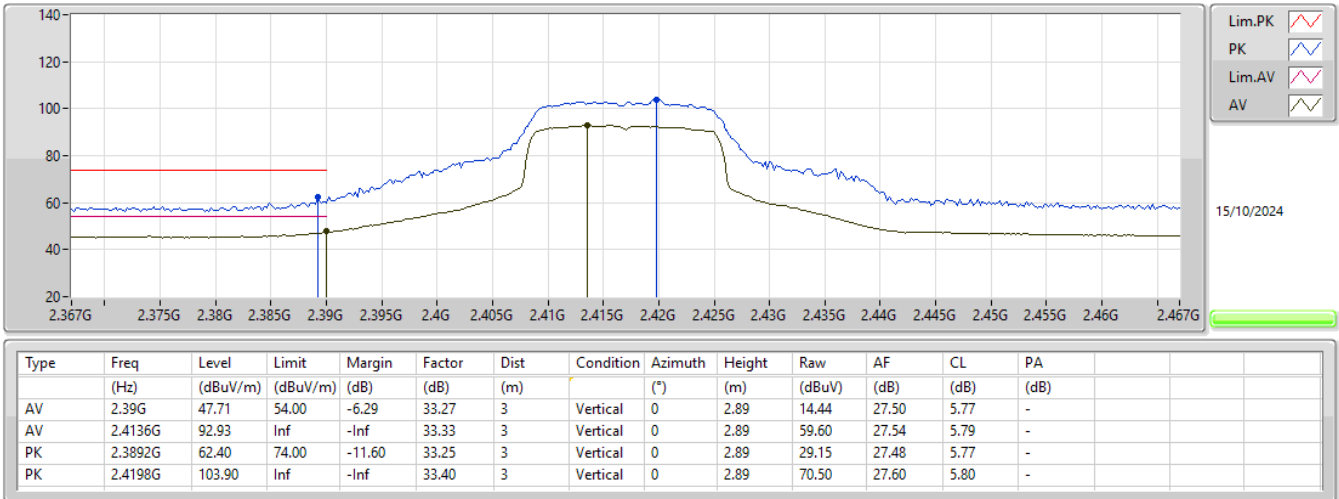
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2417MHz_TX



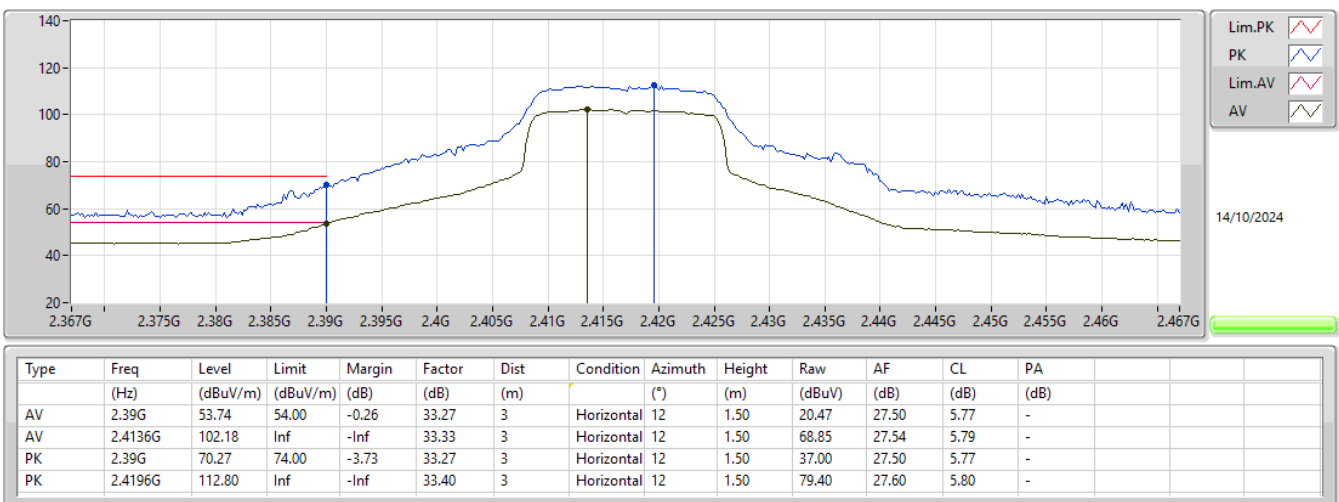
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX



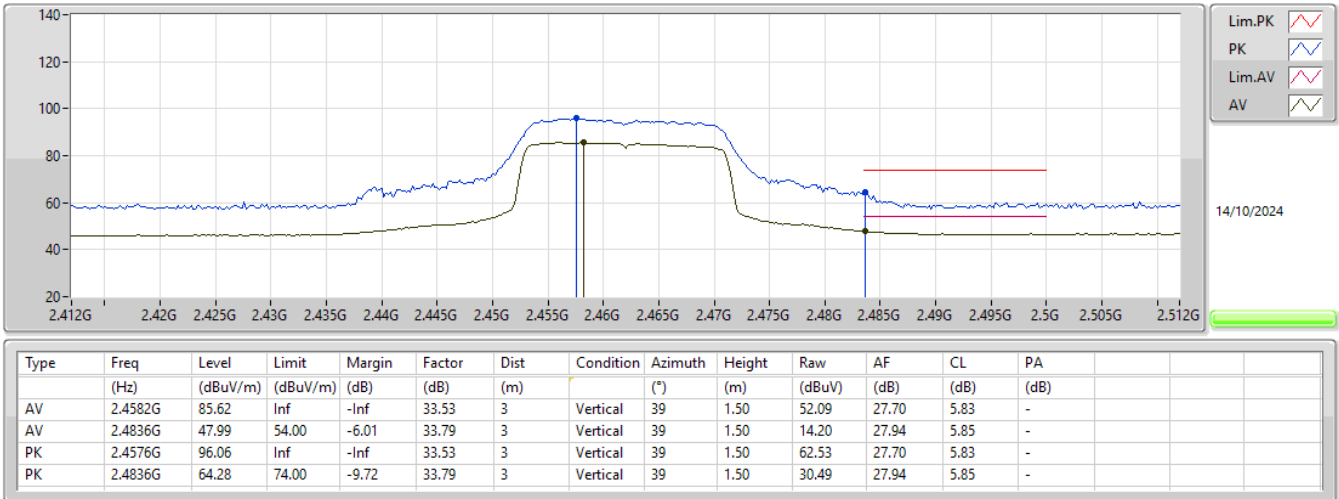
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX



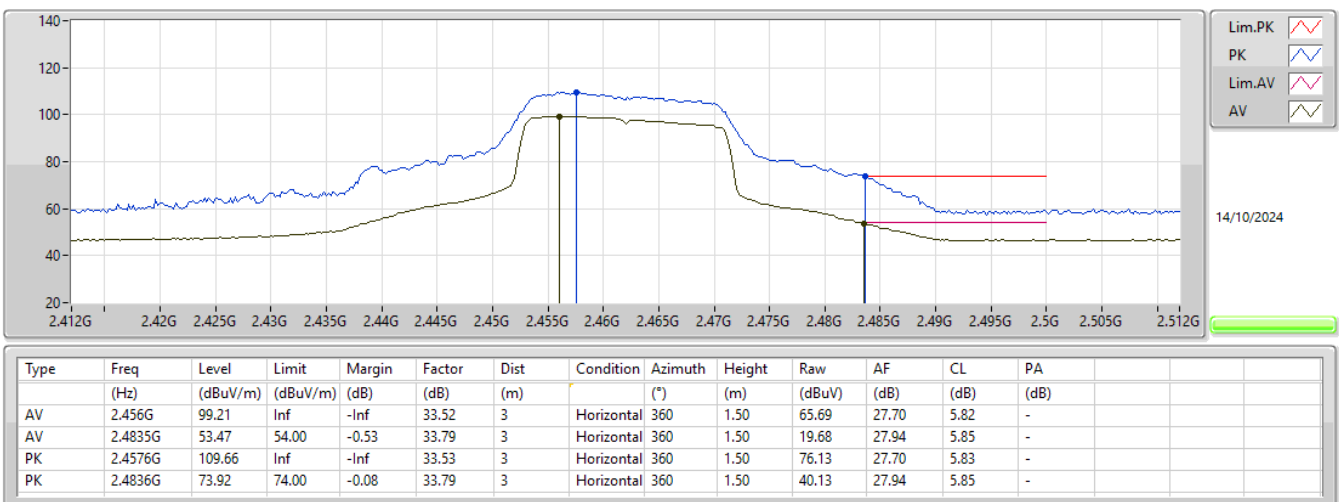
2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

2462MHz_TX



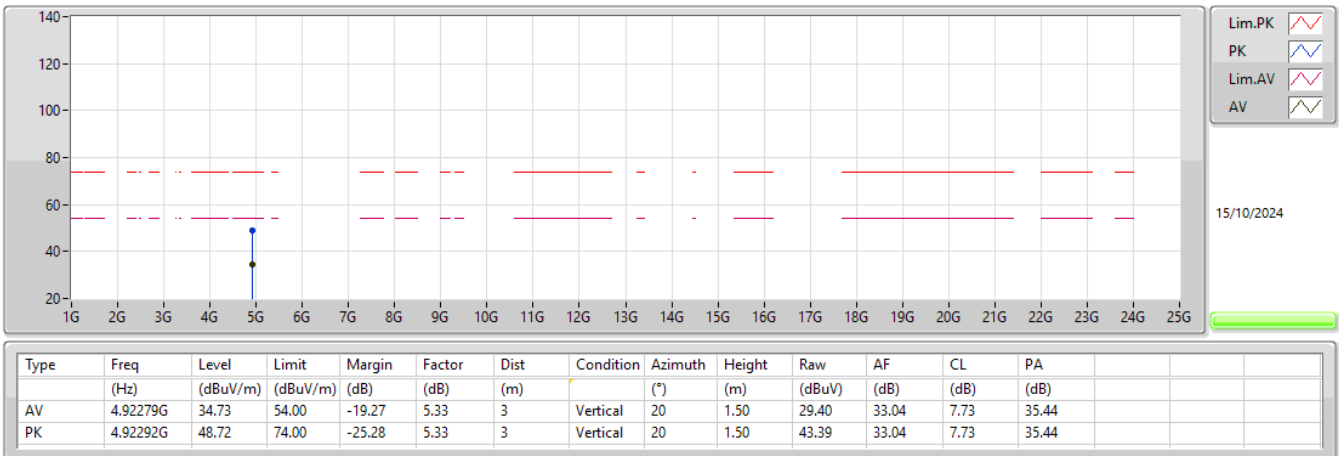
2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

2462MHz_TX



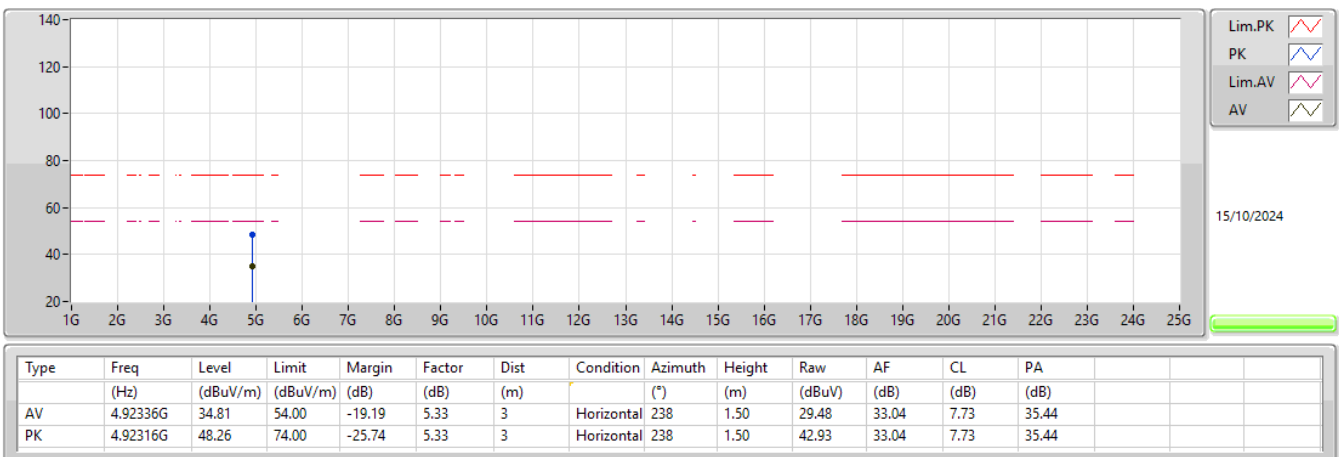
2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX



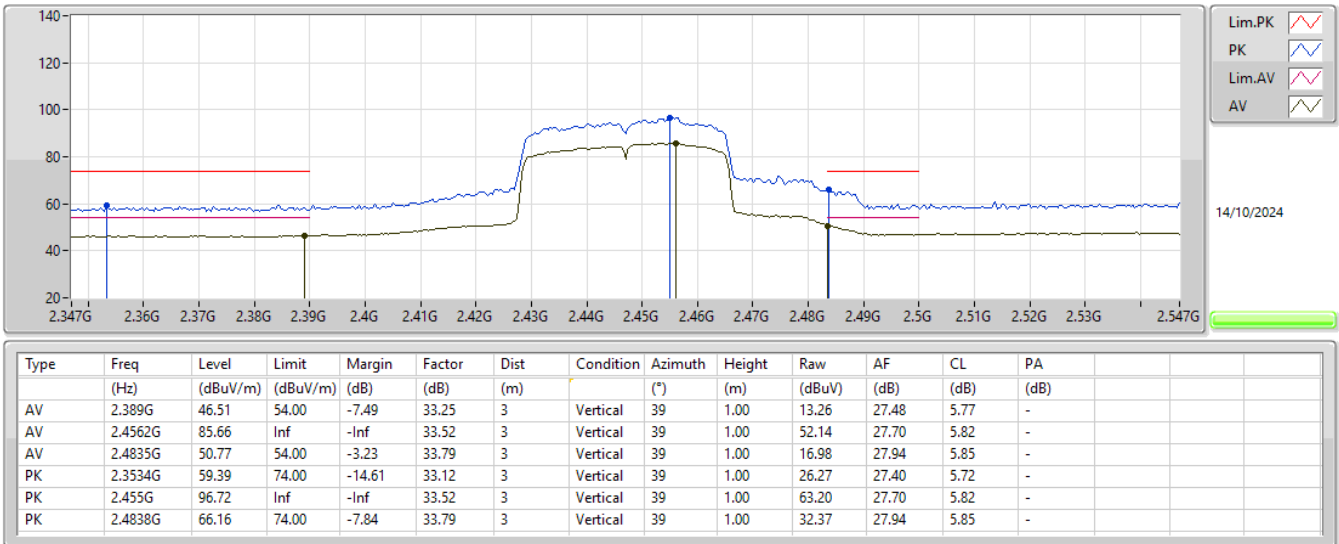
2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX



2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX

2447MHz_TX



2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX

2447MHz_TX

