

FCC Radio Test Report

FCC ID : HBW-C39VXXW
Equipment : myQ Smart Outdoor Battery Camera
Brand Name : myQ
Model Name : MYQ-C39VXXW 、 MYQ-C392XXW
Applicant : The Chamberlain Group LLC
300 Windsor Drive Oak Brook, IL 60523 USA
Manufacturer : The Chamberlain Group, LLC
300 Windsor Drive Oak Brook, IL 60523 USA
Standard : 47 CFR FCC Part 15.247

The product was received on Mar. 17, 2025, and testing was started from Mar. 21, 2025 and completed on Apr. 09, 2025. 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.


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	12
3.1 AC Power-line Conducted Emissions	12
3.2 DTS Bandwidth.....	14
3.3 Maximum Conducted Output Power	15
3.4 Power Spectral Density	17
3.5 Emissions in Non-restricted Frequency Bands	18
3.6 Emissions in Restricted Frequency Bands.....	19
4 TEST EQUIPMENT AND CALIBRATION DATA.....	23
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 RESULTS OF RADIATED EMISSION CO-LOCATION	
APPENDIX H. TEST PHOTOS	
PHOTOGRAPHS OF EUT V01	



History of this test report

Report No.	Version	Description	Issued Date
FR521817AC	01	Initial issue of report	Apr. 17, 2025

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: Michelle Tsai

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 (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX
2.4-2.4835GHz	802.11g	20	1TX
2.4-2.4835GHz	802.11n HT20	20	1TX
2.4-2.4835GHz	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	Support
1	Primax	RFMTA330800NNAB001	Metal antenna	N/A	2.4G
2	Primax	RFFPA301707IMAB301	FPC antenna	I-Pex	BLE

Ant.	Port	Gain (dBi)	
		2.4G	Bluetooth
1	1	2.68	-
2	1	-	1.81

Note 1: The EUT has two antennas.

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. 2 (port 1) could transmit/receive.

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter		
EUT Function	☒ Point-to-multipoint	☐ Point-to-point	
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 Table for Multiple Listing

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

Model Name	Description
MYQ-C39VXXW、MYQ-C392XXW	All the models are identical, the different model served as different package design.

Note: The model MYQ-C39VXXW was measured during the test.

1.1.5 Mode Test Duty Cycle

Mode	DC	DCF (dB)	T (s)	VBW (Hz) 1/T
802.11b_Nss1,(1Mbps)_1TX	1	0	30.001m	10Hz (DC>=0.98)
802.11g_Nss1,(6Mbps)_1TX	1	0	30.001m	10Hz (DC>=0.98)
802.11n HT20_Nss1,(MCS0)_1TX	1	0	30.001m	10Hz (DC>=0.98)
802.11n HT40_Nss1,(MCS0)_1TX	1	0	30.001m	10Hz (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 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	Lego Lin	21.5~22.9°C / 55~58%	21/Mar/2025
☒ Wenhua 3rd. (TAF: 3785)	ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)			
	TEL: 886-3-327-0868			
Test site Designation No. TW0036 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH06-HY	Johnny Yu	23.4~23.9°C / 52~55%	27/Mar/2025~09/Apr/2025
Radiated	03CH25-HY	Rian Chung	19.3~21.3°C / 51~55%	21/Mar/2025~09/Apr/2025

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	MT7686 QA 0.3.2.8
------------------------------	-------------------

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	21
2417MHz	1E
2437MHz	21
2457MHz	20
2462MHz	1F
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	1E
2417MHz	23
2437MHz	2F
2457MHz	24
2462MHz	20
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	20
2417MHz	24
2437MHz	29
2457MHz	23
2462MHz	20
802.11n HT40_Nss1,(MCS0)_1TX	-
2422MHz	1E
2427MHz	1D
2437MHz	22
2447MHz	20
2452MHz	25

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	Adapter 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	Adapter Mode		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT		V	

2.3 Accessories

Accessories Information				
USB Charging Cable	Brand Name	NA	Model Name	NA
	Power Cord	0.5 meter, non-shielded cable, w/o ferrite core		
Mount	Brand Name	NA	Model Name	NA
Mounting Plate	Brand Name	NA	Model Name	NA
Battery	Brand Name	KAYO	Model Name	INR18650-33V A-1S2P
	Power Rating	3.6Vdc, 6200mAh	Type	Li-ion

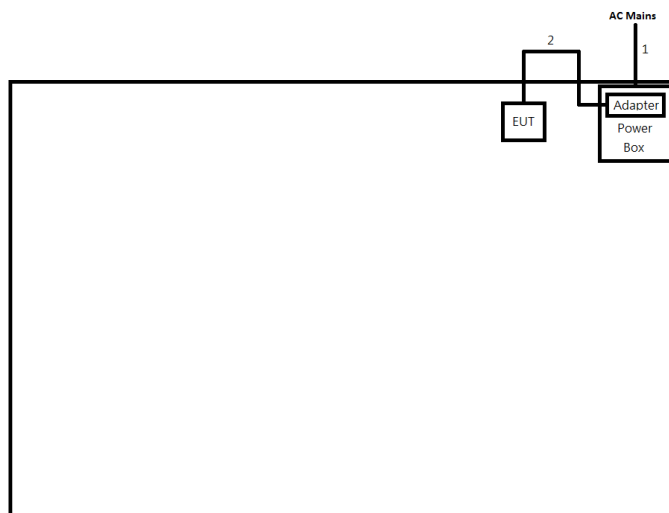
2.4 Support Equipment

Support Equipment – AC Conduction and Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Adapter	Apple	A1385	-	-

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

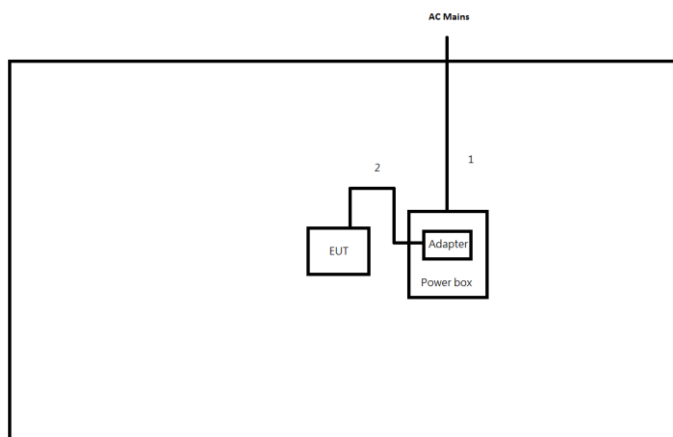
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.0	-
2	USB Charging Cable	No	0.5	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	USB Charging Cable	No	0.5	-

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

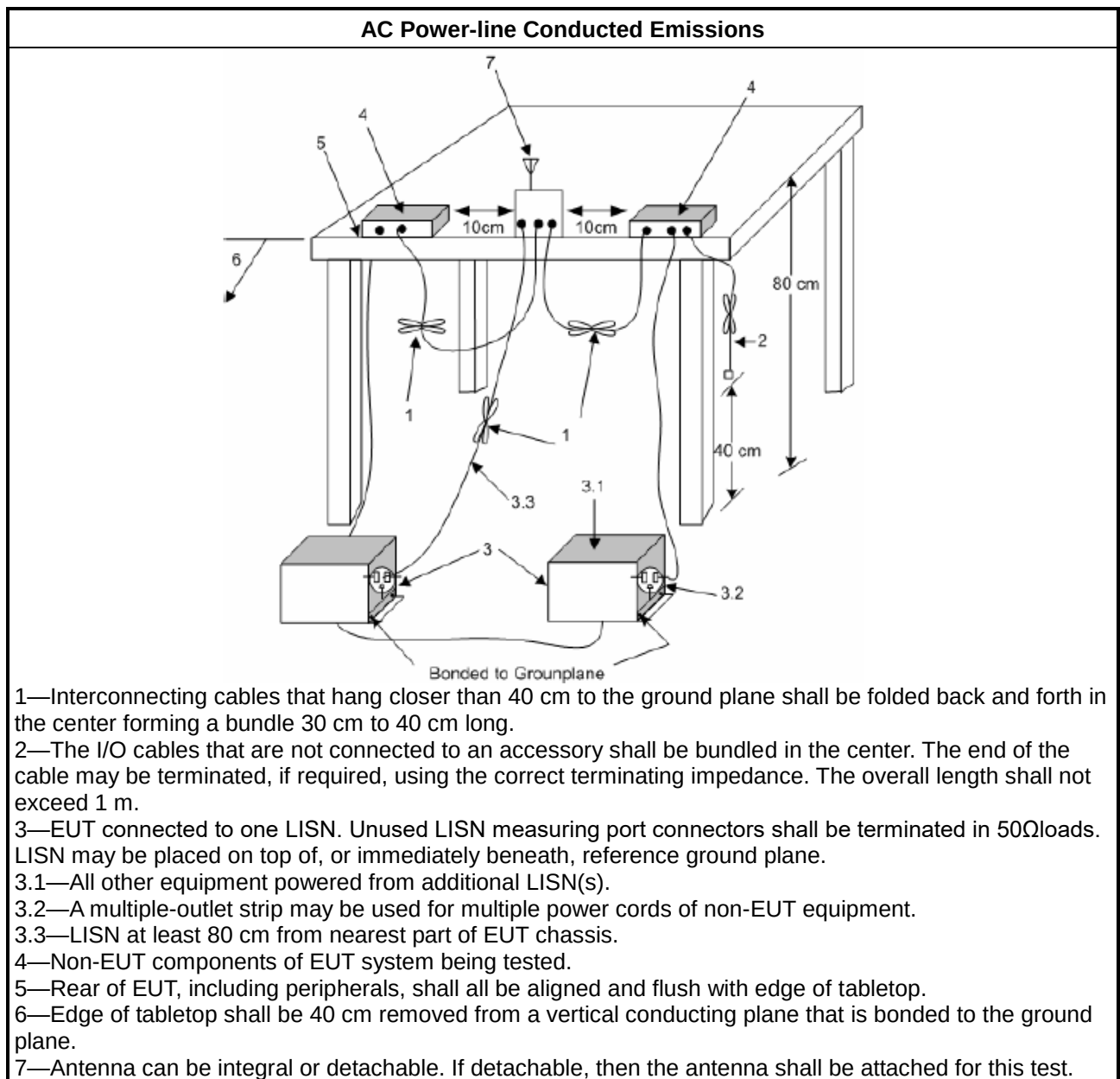
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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.

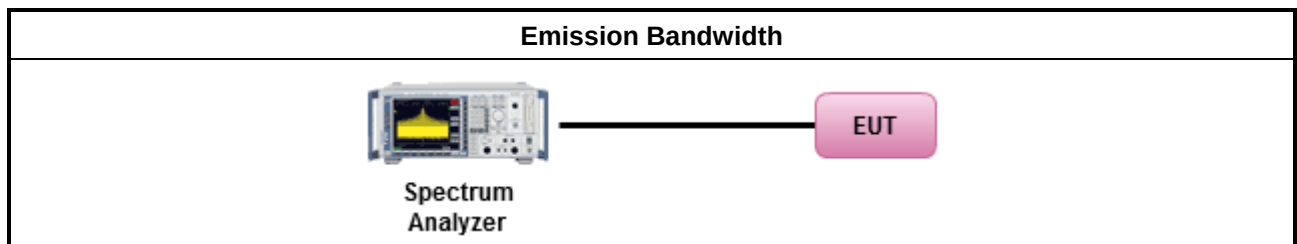
3.2.2 Measuring Instruments

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.	

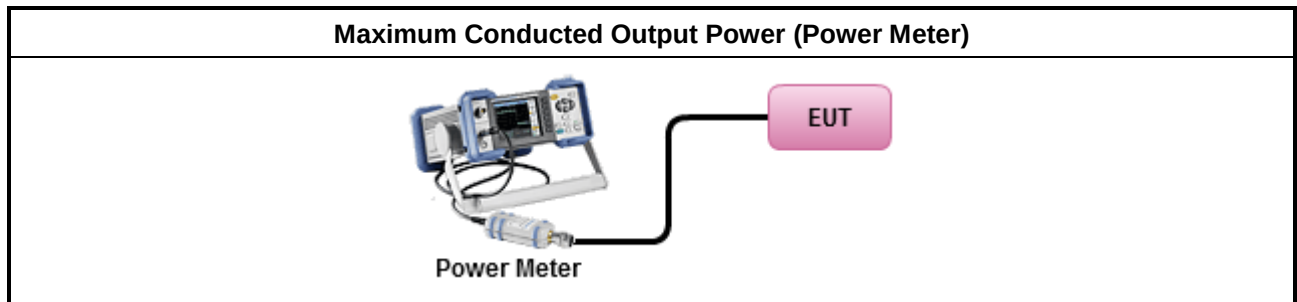
3.3.2 Measuring Instruments

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

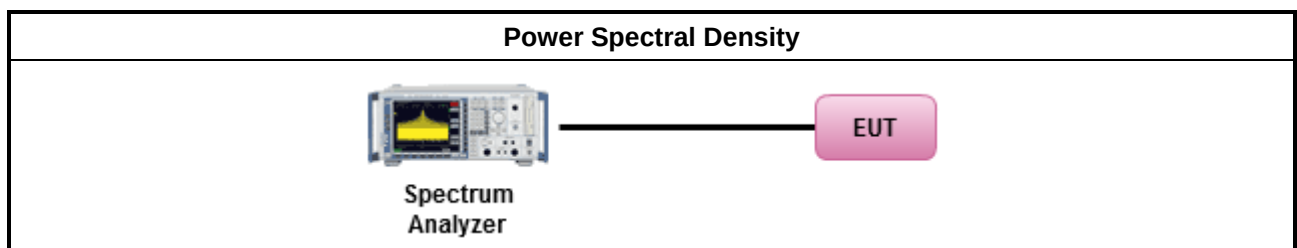
3.4.2 Measuring Instruments

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.	

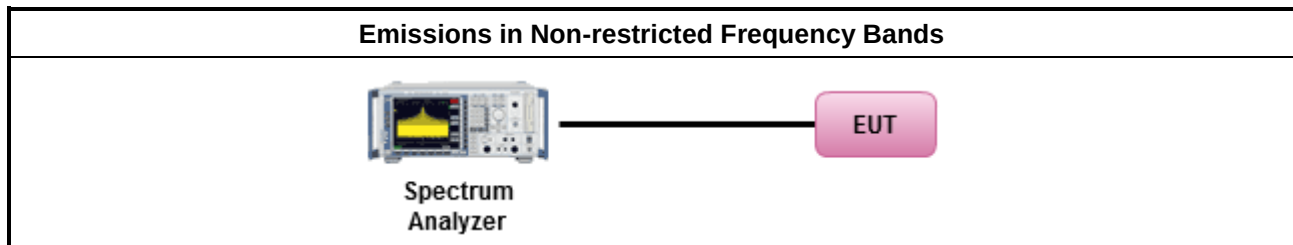
3.5.2 Measuring Instruments

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

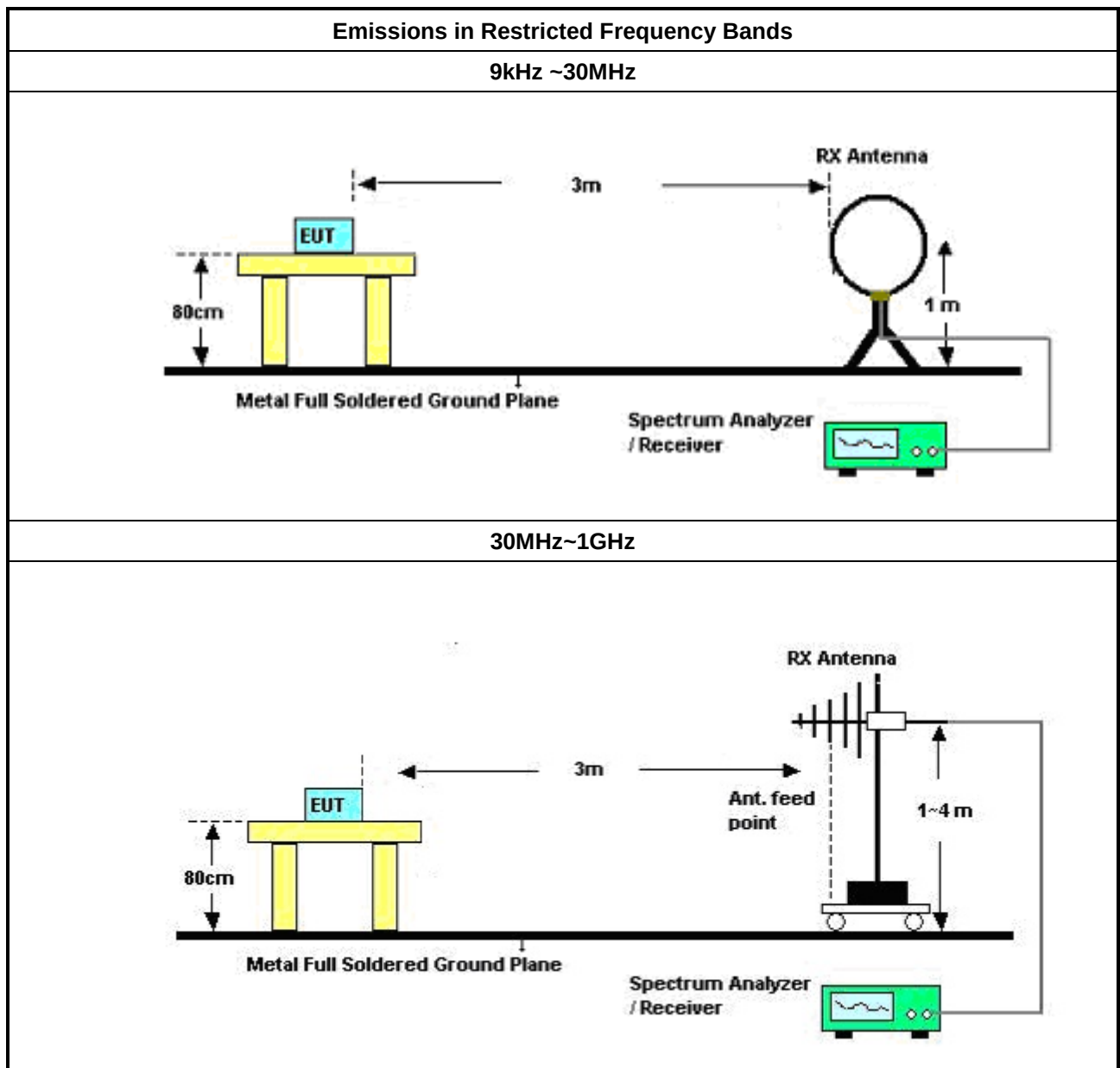
Test Method	
▪	The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].
	Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
▪	For the transmitter unwanted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

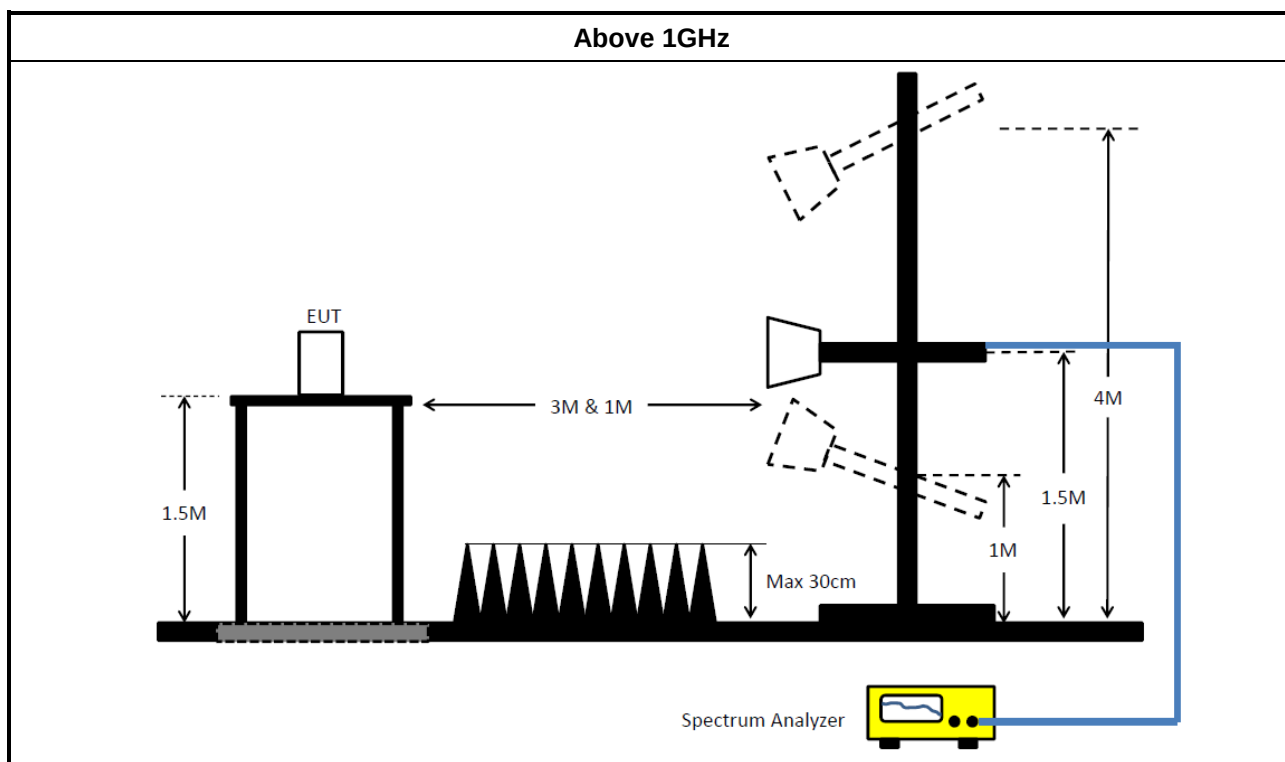
3.6.4 Measurement Results Calculation

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	100003	9kHz ~ 30MHz	06/Sep/2024	05/Sep/2025
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	26/Feb/2025	25/Feb/2026
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 Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	30MHz~1GHz 3m	20/Jul/2024	19/Jul/2025
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	1GHz~18GHz 3m	08/Aug/2024	07/Aug/2025
ESR7 EMI Test Receiver	ROHDE & SCHWARZ	ESR7	102956	9kHz~3.6GHz	27/Aug/2024	26/Aug/2025
Signal Analyzer	ROHDE & SCHWARZ	FSV3044	101410	10Hz~44GHz	18/Nov/2024	17/Nov/2025
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	20/Mar/2025	19/Mar/2026
Bilog Antenna & 6dB Attenuator	TESEQ & VGT	CBL 6111D & VFA 04002-06	63537/001	30MHz~1GHz	30/May/2024	29/May/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02876	1GHz~18GHz	11/Jul/2024	10/Jul/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	04/Oct/2024	03/Oct/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	9kHz~1GHz	24/Apr/2024	23/Apr/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	1GHz~40GHz	15/Feb/2025	14/Feb/2026
Preamplifier	SGH	PRAMP 903	20230515-1	25MHz~3GHz	24/May/2024	23/May/2025
Preamplifier	SGH	PRAMP 118-H	20230515-3	1GHz~18GHz	24/May/2024	23/May/2025
Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	15/Apr/2024	14/Apr/2025
SENSE-15247-DTS	Sporton	V5.11.23	NA	NA	NA	NA

**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	28/Oct/2024	27/Oct/2025
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	16/Oct/2024	15/Oct/2025
Power Meter	Anritsu	ML2495A	949003	300MHz~40GHz	13/Feb/2025	12/Feb/2026
Pulse Sensor	Anritsu	MA2411B	917017	300MHz~40GHz	13/Feb/2025	12/Feb/2026
SENSE-15247_DTS	Sporton	V5.11.23	N/A	N/A	N/A	N/A



Conducted Emissions at Powerline

Appendix A

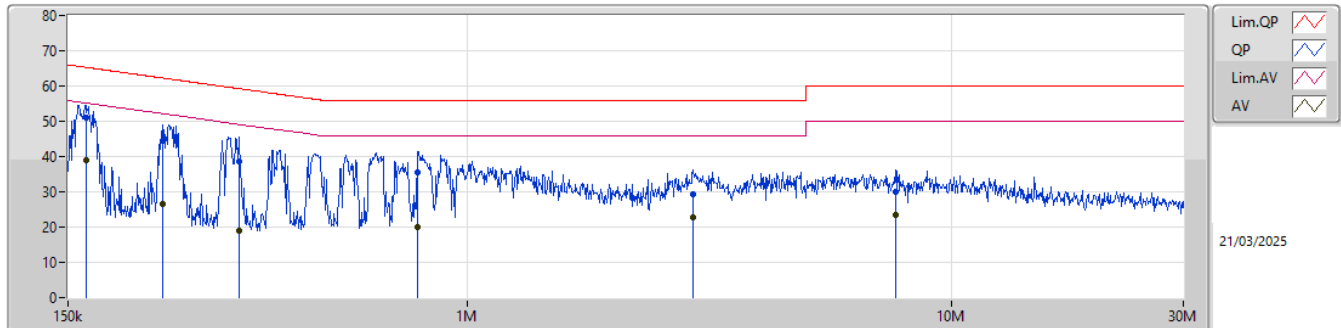
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	163.117k	51.20	65.31	-14.11	Line

Result

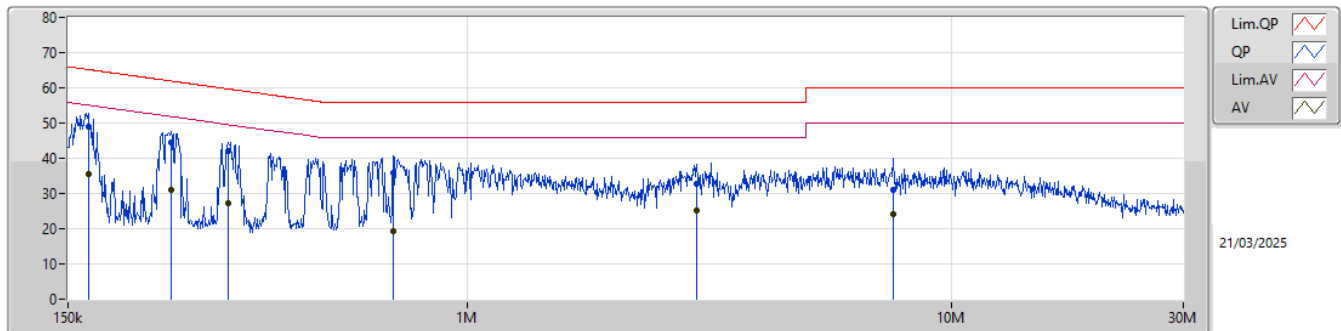
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	163.117k	51.20	65.31	-14.11	Line
Mode 1	Pass	AV	163.117k	38.89	55.31	-16.42	Line
Mode 1	Pass	QP	235.505k	44.39	62.25	-17.86	Line
Mode 1	Pass	AV	235.505k	26.66	52.25	-25.59	Line
Mode 1	Pass	QP	337.314k	38.74	59.27	-20.53	Line
Mode 1	Pass	AV	337.314k	19.00	49.27	-30.27	Line
Mode 1	Pass	QP	789.434k	35.49	56.00	-20.51	Line
Mode 1	Pass	AV	789.434k	20.03	46.00	-25.97	Line
Mode 1	Pass	QP	2.924M	29.36	56.00	-26.64	Line
Mode 1	Pass	AV	2.924M	22.88	46.00	-23.12	Line
Mode 1	Pass	QP	7.652M	29.84	60.00	-30.16	Line
Mode 1	Pass	AV	7.652M	23.51	50.00	-26.49	Line
Mode 1	Pass	QP	165.082k	48.97	65.20	-16.23	Neutral
Mode 1	Pass	AV	165.082k	35.64	55.20	-19.56	Neutral
Mode 1	Pass	QP	245.097k	44.43	61.93	-17.50	Neutral
Mode 1	Pass	AV	245.097k	31.00	51.93	-20.93	Neutral
Mode 1	Pass	QP	320.256k	42.04	59.71	-17.67	Neutral
Mode 1	Pass	AV	320.256k	27.23	49.71	-22.48	Neutral
Mode 1	Pass	QP	703.134k	35.88	56.00	-20.12	Neutral
Mode 1	Pass	AV	703.134k	19.43	46.00	-26.57	Neutral
Mode 1	Pass	QP	2.971M	32.71	56.00	-23.29	Neutral
Mode 1	Pass	AV	2.971M	25.29	46.00	-20.71	Neutral
Mode 1	Pass	QP	7.561M	31.01	60.00	-28.99	Neutral
Mode 1	Pass	AV	7.561M	24.16	50.00	-25.84	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	163.117k	51.20	65.31	-14.11	19.61	Line	-	31.59	9.63	0.01	9.97						
AV	163.117k	38.89	55.31	-16.42	19.61	Line	-	19.28	9.63	0.01	9.97						
QP	235.505k	44.39	62.25	-17.86	19.61	Line	-	24.78	9.63	0.01	9.97						
AV	235.505k	26.66	52.25	-25.59	19.61	Line	-	7.05	9.63	0.01	9.97						
QP	337.314k	38.74	59.27	-20.53	19.63	Line	-	19.11	9.62	0.03	9.98						
AV	337.314k	19.00	49.27	-30.27	19.63	Line	-	-0.63	9.62	0.03	9.98						
QP	789.434k	35.49	56.00	-20.51	19.65	Line	-	15.84	9.63	0.04	9.98						
AV	789.434k	20.03	46.00	-25.97	19.65	Line	-	0.38	9.63	0.04	9.98						
QP	2.924M	29.36	56.00	-26.64	19.68	Line	-	9.68	9.66	0.04	9.98						
AV	2.924M	22.88	46.00	-23.12	19.68	Line	-	3.20	9.66	0.04	9.98						
QP	7.652M	29.84	60.00	-30.16	19.93	Line	-	9.91	9.77	0.18	9.98						
AV	7.652M	23.51	50.00	-26.49	19.93	Line	-	3.58	9.77	0.18	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	165.082k	48.97	65.20	-16.23	19.61	Neutral	-	29.36	9.63	0.01	9.97						
AV	165.082k	35.64	55.20	-19.56	19.61	Neutral	-	16.03	9.63	0.01	9.97						
QP	245.097k	44.43	61.93	-17.50	19.62	Neutral	-	24.81	9.63	0.02	9.97						
AV	245.097k	31.00	51.93	-20.93	19.62	Neutral	-	11.38	9.63	0.02	9.97						
QP	320.256k	42.04	59.71	-17.67	19.63	Neutral	-	22.41	9.63	0.02	9.98						
AV	320.256k	27.23	49.71	-22.48	19.63	Neutral	-	7.60	9.63	0.02	9.98						
QP	703.134k	35.88	56.00	-20.12	19.66	Neutral	-	16.22	9.64	0.04	9.98						
AV	703.134k	19.43	46.00	-26.57	19.66	Neutral	-	-0.23	9.64	0.04	9.98						
QP	2.971M	32.71	56.00	-23.29	19.69	Neutral	-	13.02	9.67	0.04	9.98						
AV	2.971M	25.29	46.00	-20.71	19.69	Neutral	-	5.60	9.67	0.04	9.98						
QP	7.561M	31.01	60.00	-28.99	19.94	Neutral	-	11.07	9.78	0.18	9.98						
AV	7.561M	24.16	50.00	-25.84	19.94	Neutral	-	4.22	9.78	0.18	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	10.025M	14.453M	14M5G1D	8.575M	14.318M
802.11g_Nss1,(6Mbps)_1TX	16.3M	16.844M	16M8D1D	15.8M	16.36M
802.11n HT20_Nss1,(MCS0)_1TX	17.525M	17.641M	17M6D1D	16.675M	17.516M
802.11n HT40_Nss1,(MCS0)_1TX	35.3M	35.932M	35M9D1D	34.15M	35.832M

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	9.55M	14.453M
2437MHz	Pass	500k	10.025M	14.318M
2462MHz	Pass	500k	8.575M	14.318M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	15.8M	16.536M
2437MHz	Pass	500k	16.3M	16.844M
2462MHz	Pass	500k	16.3M	16.36M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	16.925M	17.541M
2437MHz	Pass	500k	17.525M	17.641M
2462MHz	Pass	500k	16.675M	17.516M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	35.3M	35.832M
2437MHz	Pass	500k	34.15M	35.882M
2452MHz	Pass	500k	34.2M	35.932M

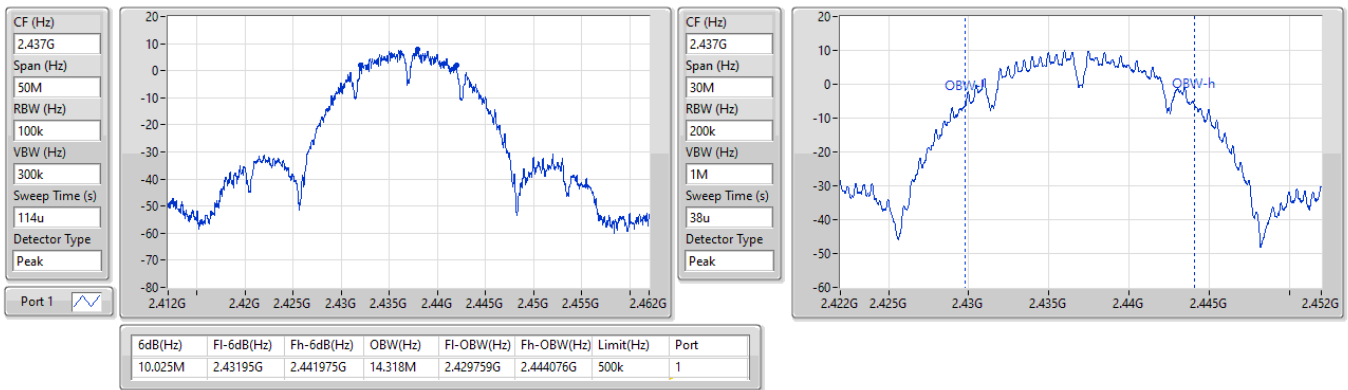
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

2437MHz

09/04/2025

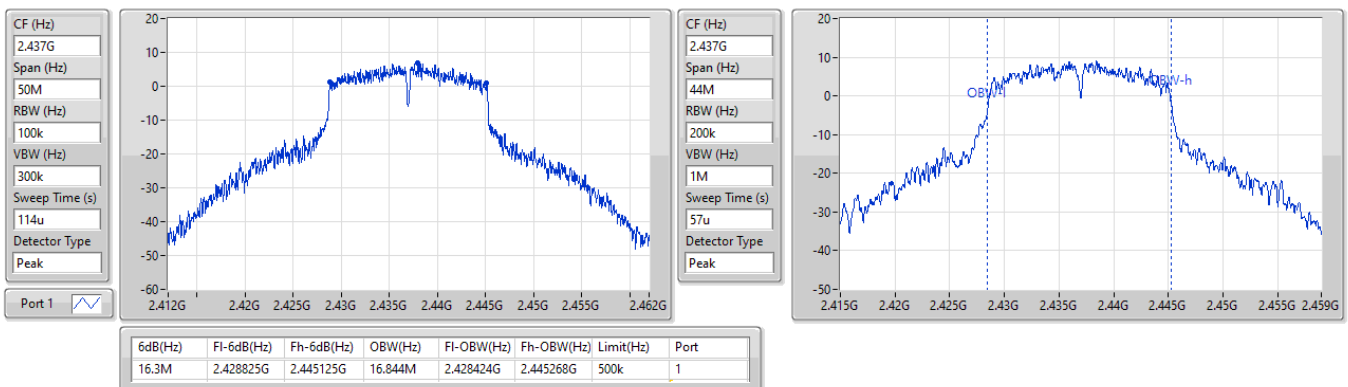


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

EBW

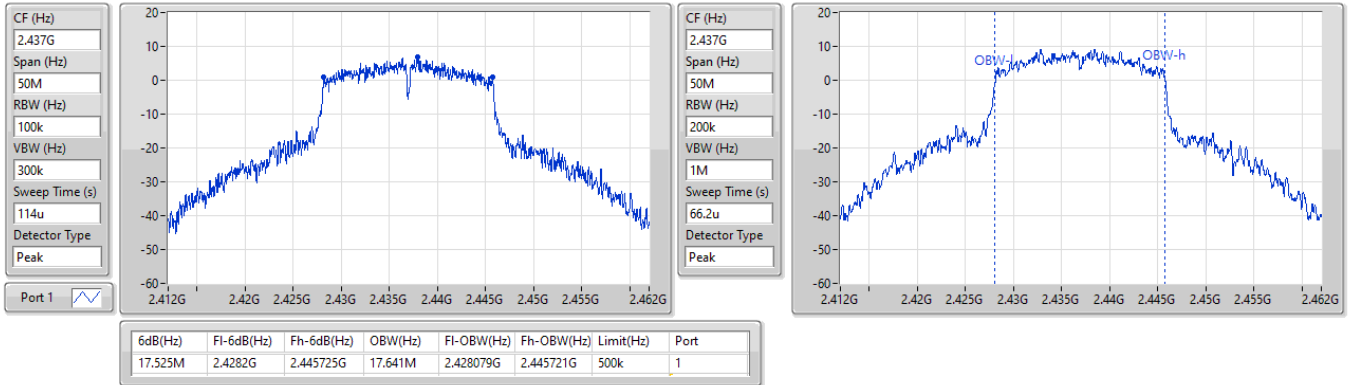
2437MHz

27/03/2025

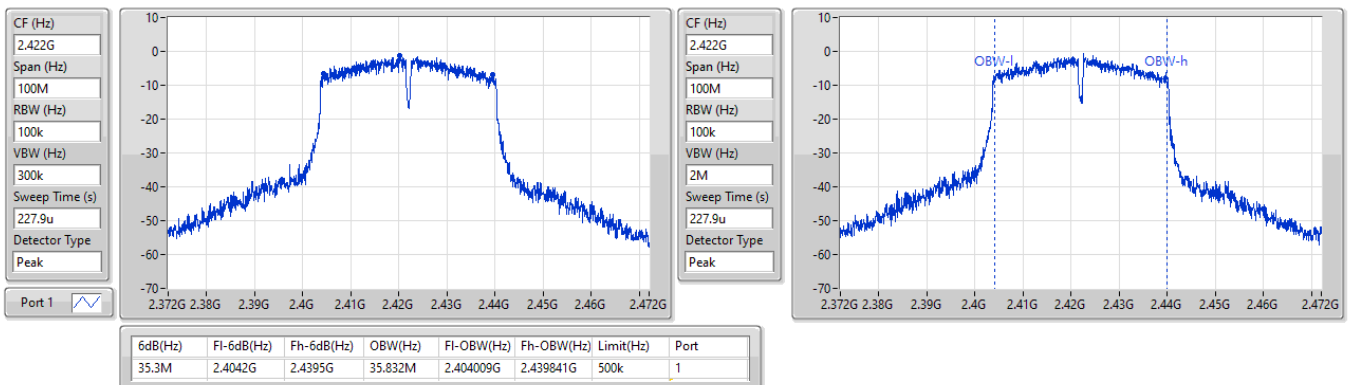


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX
EBW
2437MHz

27/03/2025


2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX
EBW
2422MHz

27/03/2025





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	19.75	0.09441
802.11g_Nss1,(6Mbps)_1TX	20.13	0.10304
802.11n HT20_Nss1,(MCS0)_1TX	20.01	0.10023
802.11n HT40_Nss1,(MCS0)_1TX	17.30	0.05370



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.68	19.75	19.75	30.00
2417MHz	Pass	2.68	19.48	19.48	30.00
2437MHz	Pass	2.68	19.37	19.37	30.00
2457MHz	Pass	2.68	18.18	18.18	30.00
2462MHz	Pass	2.68	17.68	17.68	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.68	17.58	17.58	30.00
2417MHz	Pass	2.68	19.16	19.16	30.00
2437MHz	Pass	2.68	20.13	20.13	30.00
2457MHz	Pass	2.68	18.46	18.46	30.00
2462MHz	Pass	2.68	17.11	17.11	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.68	17.03	17.03	30.00
2417MHz	Pass	2.68	18.66	18.66	30.00
2437MHz	Pass	2.68	20.01	20.01	30.00
2457MHz	Pass	2.68	17.18	17.18	30.00
2462MHz	Pass	2.68	16.23	16.23	30.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.68	15.32	15.32	30.00
2427MHz	Pass	2.68	15.11	15.11	30.00
2437MHz	Pass	2.68	16.49	16.49	30.00
2447MHz	Pass	2.68	15.76	15.76	30.00
2452MHz	Pass	2.68	17.30	17.30	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	-4.71
802.11g_Nss1,(6Mbps)_1TX	-4.14
802.11n HT20_Nss1,(MCS0)_1TX	-3.46
802.11n HT40_Nss1,(MCS0)_1TX	-9.77

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	2.68	-4.71	-4.71	8.00
2437MHz	Pass	2.68	-5.59	-5.59	8.00
2462MHz	Pass	2.68	-7.37	-7.37	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.68	-5.94	-5.94	8.00
2437MHz	Pass	2.68	-4.14	-4.14	8.00
2462MHz	Pass	2.68	-8.87	-8.87	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.68	-7.54	-7.54	8.00
2437MHz	Pass	2.68	-3.46	-3.46	8.00
2462MHz	Pass	2.68	-8.04	-8.04	8.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.68	-11.90	-11.90	8.00
2437MHz	Pass	2.68	-9.77	-9.77	8.00
2452MHz	Pass	2.68	-9.84	-9.84	8.00

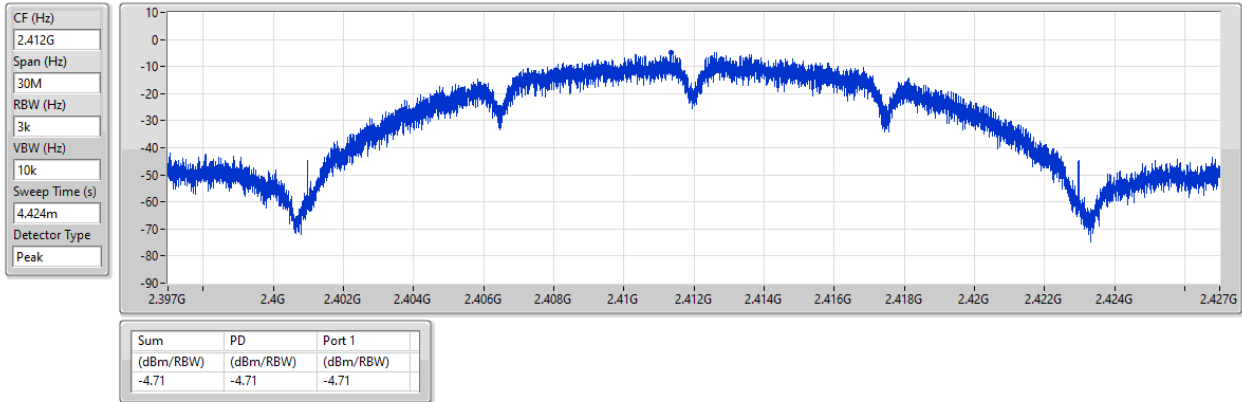
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

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

PSD

2412MHz

09/04/2025

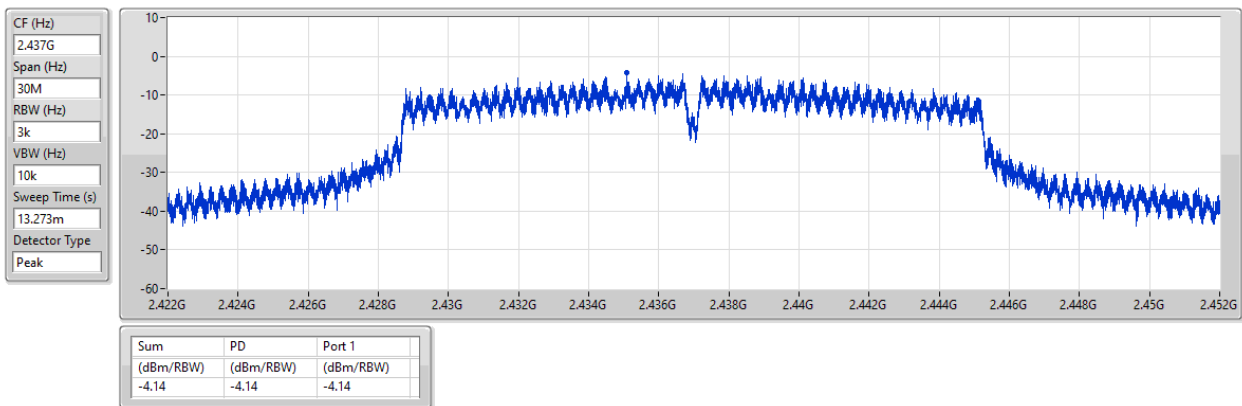


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

27/03/2025

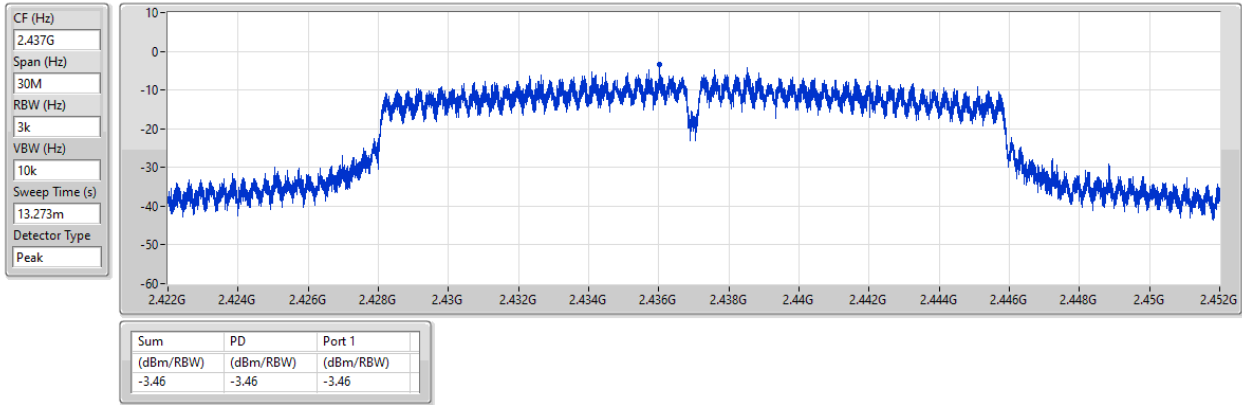


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

PSD

2437MHz

27/03/2025

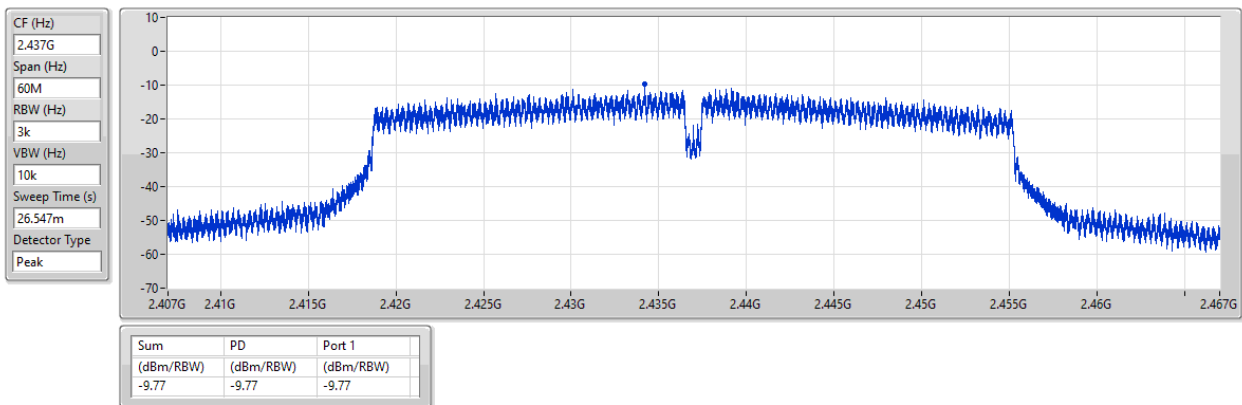


2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX

PSD

2437MHz

27/03/2025





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	2.43791G	9.56	-20.44	2.30525G	-52.95	2.39696G	-27.73	2.4G	-34.75	2.50542G	-52.32	16.24821G	-40.50	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43574G	7.19	-22.81	2.30292G	-51.18	2.39984G	-24.43	2.4G	-25.55	2.5167G	-50.79	23.3255G	-41.78	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.43591G	7.74	-22.26	2.30758G	-52.84	2.39888G	-23.83	2.4G	-24.99	2.50046G	-49.69	24.57576G	-41.30	1
802.11n HT40_Nss1,(MCS0)_1TX	Pass	2.45043G	1.66	-28.34	2.30855G	-52.59	2.39792G	-32.72	2.4G	-33.54	2.50814G	-52.08	24.61858G	-42.47	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	2.43791G	9.56	-20.44	2.30525G	-52.95	2.39696G	-27.73	2.4G	-34.75	2.50542G	-52.32	16.24821G	-40.50	1
2437MHz	Pass	2.43791G	9.56	-20.44	2.30408G	-54.59	2.39936G	-50.51	2.4G	-52.45	2.50238G	-52.33	17.66985G	-40.75	1
2462MHz	Pass	2.43791G	9.56	-20.44	1.6412G	-51.36	2.398G	-50.37	2.4G	-52.92	2.50782G	-52.16	17.63614G	-41.47	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	7.19	-22.81	2.30292G	-51.18	2.39984G	-24.43	2.4G	-25.55	2.5167G	-50.79	23.3255G	-41.78	1
2437MHz	Pass	2.43574G	7.19	-22.81	2.30641G	-52.22	2.39952G	-47.08	2.4G	-47.39	2.50198G	-51.24	17.64737G	-41.11	1
2462MHz	Pass	2.43574G	7.19	-22.81	2.30874G	-53.63	2.39912G	-49.07	2.4G	-49.66	2.50102G	-50.67	15.25925G	-40.98	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43591G	7.74	-22.26	2.30758G	-52.84	2.39888G	-23.83	2.4G	-24.99	2.50046G	-49.69	24.57576G	-41.30	1
2437MHz	Pass	2.43591G	7.74	-22.26	2.30874G	-52.56	2.39984G	-44.73	2.4G	-44.39	2.50134G	-49.81	15.23115G	-41.72	1
2462MHz	Pass	2.43591G	7.74	-22.26	2.30758G	-52.93	2.39776G	-47.40	2.4G	-49.92	2.50534G	-48.53	17.64457G	-42.08	1
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.45043G	1.66	-28.34	2.30855G	-52.59	2.39792G	-32.72	2.4G	-33.54	2.50814G	-52.08	24.61858G	-42.47	1
2437MHz	Pass	2.45043G	1.66	-28.34	2.30397G	-52.73	2.39984G	-37.21	2.4G	-38.47	2.50686G	-50.74	16.24135G	-42.17	1
2452MHz	Pass	2.45043G	1.66	-28.34	2.30397G	-52.51	2.39136G	-48.47	2.4G	-47.62	2.50094G	-46.52	16.30305G	-41.46	1

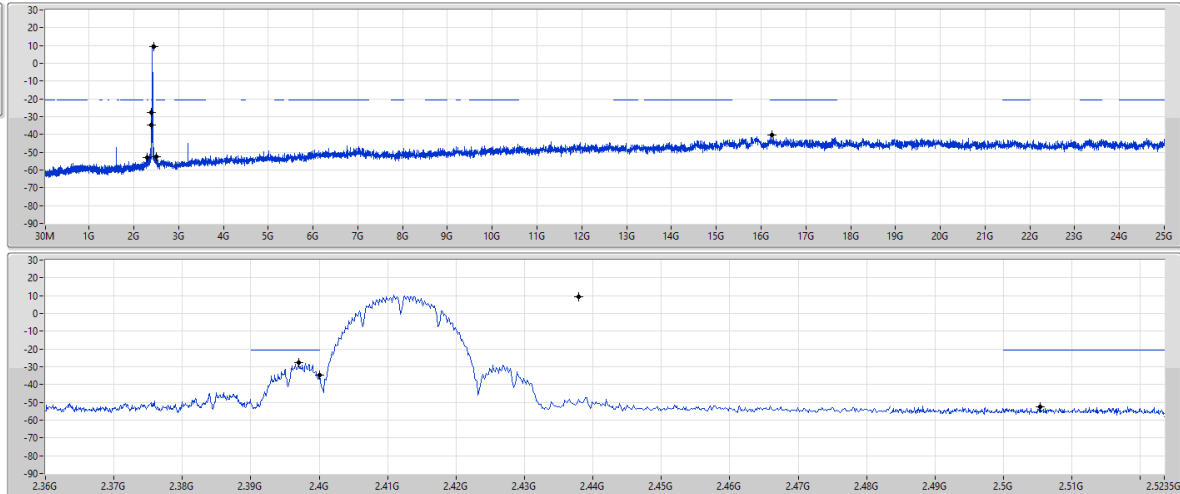
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

CSEndB

2412MHz

09/04/2025

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
2.43791G	9.56	-20.44	2.30525G	-52.95	2.39696G	-27.73	2.4G	-34.75	2.50542G	-52.32	2.624821G	-40.50	1

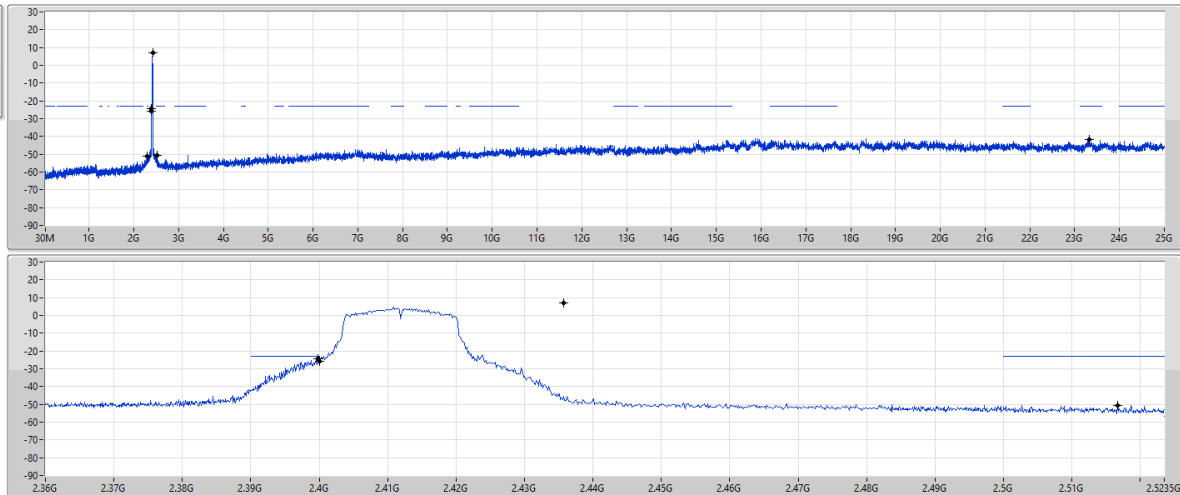
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

CSEndB

2412MHz

09/04/2025

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
2.43574G	7.19	-22.81	2.30292G	-51.18	2.39984G	-24.43	2.4G	-25.55	2.5167G	-50.79	2.63255G	-41.78	1

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

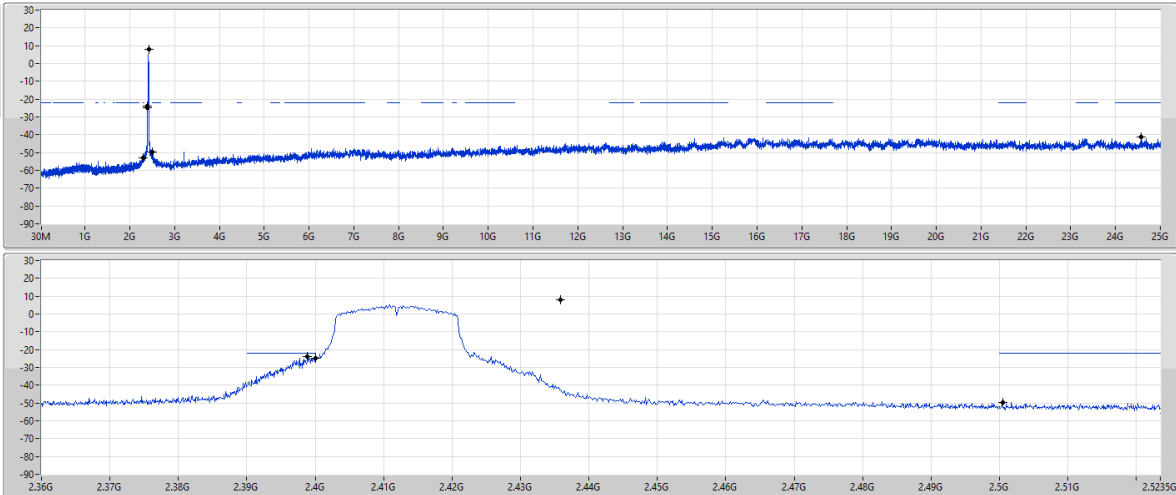
CSEndB

2412MHz

09/04/2025

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
2.43591G	7.74	-22.26	2.30758G	-52.84	2.39888G	-23.83	2.4G	-24.99	2.50046G	-49.69	2.457576G	-41.30	1

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

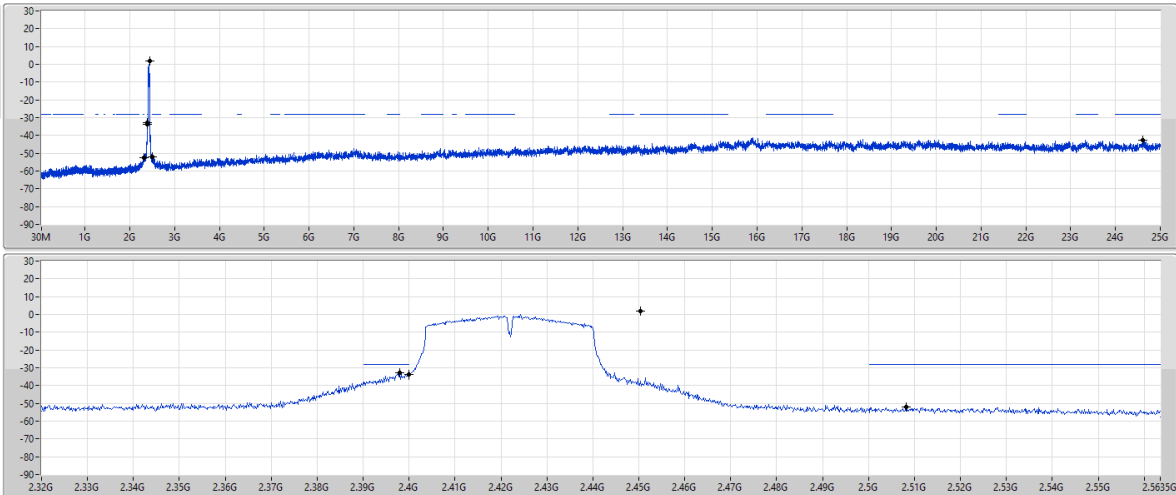
CSEndB

2422MHz

27/03/2025

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
2.45043G	1.66	-28.34	2.30855G	-52.59	2.39792G	-32.72	2.4G	-33.54	2.50814G	-52.08	2.461858G	-42.47	1



Summary

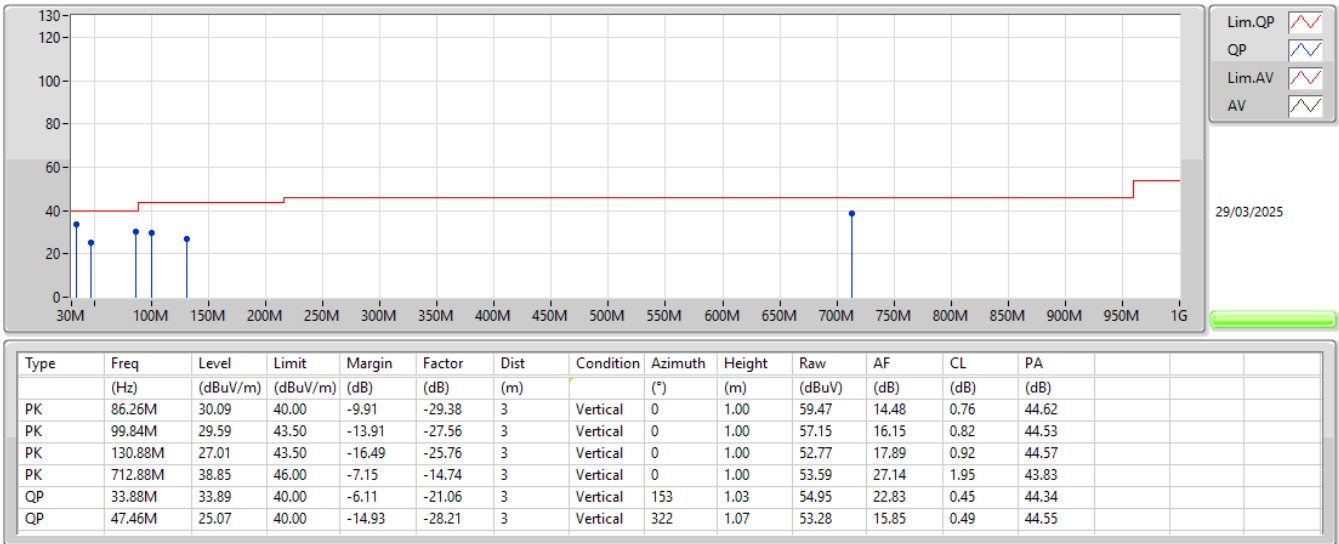
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	QP	33.88M	33.89	40.00	-6.11	3	Vertical	153	1.03

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11n HT20_Nss1.(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	86.26M	30.09	40.00	-9.91	3	Vertical	0	1.00
2437MHz	Pass	PK	99.84M	29.59	43.50	-13.91	3	Vertical	0	1.00
2437MHz	Pass	PK	130.88M	27.01	43.50	-16.49	3	Vertical	0	1.00
2437MHz	Pass	PK	712.88M	38.85	46.00	-7.15	3	Vertical	0	1.00
2437MHz	Pass	QP	33.88M	33.89	40.00	-6.11	3	Vertical	153	1.03
2437MHz	Pass	QP	47.46M	25.07	40.00	-14.93	3	Vertical	322	1.07
2437MHz	Pass	PK	33.88M	31.14	40.00	-8.86	3	Horizontal	360	1.00
2437MHz	Pass	PK	101.78M	31.46	43.50	-12.04	3	Horizontal	360	1.00
2437MHz	Pass	PK	206.54M	26.44	43.50	-17.06	3	Horizontal	360	1.00
2437MHz	Pass	PK	522.76M	26.67	46.00	-19.33	3	Horizontal	360	1.00
2437MHz	Pass	PK	577.08M	27.34	46.00	-18.66	3	Horizontal	360	1.00
2437MHz	Pass	PK	641.1M	26.58	46.00	-19.42	3	Horizontal	360	1.00

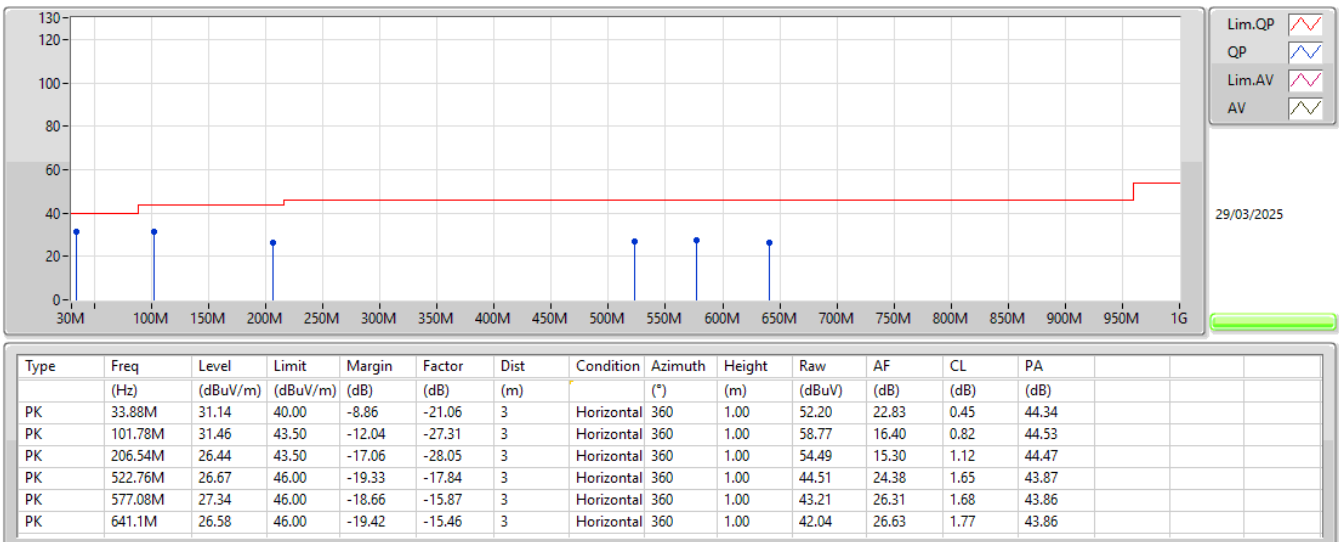
2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

2437MHz_Adapter



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

2437MHz_Adapter



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	4.92394G	53.85	54.00	-0.15	3	Vertical	8	2.62
802.11g_Nss1,(6Mbps)_1TX	Pass	PK	2.4836G	73.66	74.00	-0.34	3	Vertical	348	1.98
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.39G	52.93	54.00	-1.07	3	Horizontal	185	1.00
802.11n HT40_Nss1,(MCS0)_1TX	Pass	AV	2.39G	52.89	54.00	-1.11	3	Horizontal	185	1.00

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	Pass	AV	2.3872G	49.85	54.00	-4.15	3	Vertical	351	2.13
2412MHz	Pass	AV	2.4128G	106.08	Inf	-Inf	3	Vertical	351	2.13
2412MHz	Pass	PK	2.3864G	60.54	74.00	-13.46	3	Vertical	351	2.13
2412MHz	Pass	PK	2.4128G	108.68	Inf	-Inf	3	Vertical	351	2.13
2412MHz	Pass	AV	2.3874G	47.11	54.00	-6.89	3	Horizontal	142	1.64
2412MHz	Pass	AV	2.4112G	102.97	Inf	-Inf	3	Horizontal	142	1.64
2412MHz	Pass	PK	2.3858G	59.28	74.00	-14.72	3	Horizontal	142	1.64
2412MHz	Pass	PK	2.411G	105.56	Inf	-Inf	3	Horizontal	142	1.64
2412MHz	Pass	AV	4.82394G	53.72	54.00	-0.28	3	Vertical	8	2.78
2412MHz	Pass	PK	4.82388G	55.72	74.00	-18.28	3	Vertical	8	2.78
2412MHz	Pass	AV	4.82394G	51.66	54.00	-2.34	3	Horizontal	7	1.50
2412MHz	Pass	PK	4.824G	53.99	74.00	-20.01	3	Horizontal	7	1.50
2417MHz	Pass	AV	2.39G	46.11	54.00	-7.89	3	Vertical	218	1.41
2417MHz	Pass	AV	2.4162G	103.58	Inf	-Inf	3	Vertical	218	1.41
2417MHz	Pass	PK	2.3886G	59.17	74.00	-14.83	3	Vertical	218	1.41
2417MHz	Pass	PK	2.4162G	106.17	Inf	-Inf	3	Vertical	218	1.41
2417MHz	Pass	AV	2.39G	46.81	54.00	-7.19	3	Horizontal	170	1.00
2417MHz	Pass	AV	2.4162G	102.82	Inf	-Inf	3	Horizontal	170	1.00
2417MHz	Pass	PK	2.3882G	59.09	74.00	-14.91	3	Horizontal	170	1.00
2417MHz	Pass	PK	2.416G	105.42	Inf	-Inf	3	Horizontal	170	1.00
2417MHz	Pass	AV	4.83394G	51.42	54.00	-2.58	3	Vertical	358	1.45
2417MHz	Pass	AV	7.25016G	50.81	54.00	-3.19	3	Vertical	26	1.00
2417MHz	Pass	PK	4.83394G	53.56	74.00	-20.44	3	Vertical	358	1.45
2417MHz	Pass	PK	7.25036G	56.22	74.00	-17.78	3	Vertical	26	1.00
2417MHz	Pass	AV	4.83394G	48.67	54.00	-5.33	3	Horizontal	333	2.17
2417MHz	Pass	AV	7.25015G	53.69	54.00	-0.31	3	Horizontal	112	2.03
2417MHz	Pass	PK	4.83394G	51.49	74.00	-22.51	3	Horizontal	333	2.17
2417MHz	Pass	PK	7.25178G	58.44	74.00	-15.56	3	Horizontal	112	2.03
2437MHz	Pass	AV	2.375G	44.70	54.00	-9.30	3	Vertical	299	1.80
2437MHz	Pass	AV	2.4378G	103.52	Inf	-Inf	3	Vertical	299	1.80
2437MHz	Pass	AV	2.4886G	45.86	54.00	-8.14	3	Vertical	299	1.80
2437MHz	Pass	PK	2.3714G	58.36	74.00	-15.64	3	Vertical	299	1.80
2437MHz	Pass	PK	2.4378G	106.13	Inf	-Inf	3	Vertical	299	1.80
2437MHz	Pass	PK	2.4914G	59.38	74.00	-14.62	3	Vertical	299	1.80
2437MHz	Pass	AV	2.3886G	45.21	54.00	-8.79	3	Horizontal	185	1.21
2437MHz	Pass	AV	2.4378G	106.83	Inf	-Inf	3	Horizontal	185	1.21
2437MHz	Pass	AV	2.4886G	46.47	54.00	-7.53	3	Horizontal	185	1.21
2437MHz	Pass	PK	2.3738G	58.83	74.00	-15.17	3	Horizontal	185	1.21
2437MHz	Pass	PK	2.4378G	109.43	Inf	-Inf	3	Horizontal	185	1.21
2437MHz	Pass	PK	2.4982G	59.43	74.00	-14.57	3	Horizontal	185	1.21
2437MHz	Pass	AV	4.87394G	53.72	54.00	-0.28	3	Vertical	8	2.52
2437MHz	Pass	AV	7.31016G	51.16	54.00	-2.84	3	Vertical	357	1.49
2437MHz	Pass	PK	4.87394G	55.83	74.00	-18.17	3	Vertical	8	2.52
2437MHz	Pass	PK	7.30982G	56.36	74.00	-17.64	3	Vertical	357	1.49
2437MHz	Pass	AV	4.87394G	51.06	54.00	-2.94	3	Horizontal	6	1.00
2437MHz	Pass	AV	7.31016G	52.70	54.00	-1.30	3	Horizontal	15	1.01
2437MHz	Pass	PK	4.87388G	53.34	74.00	-20.66	3	Horizontal	6	1.00
2437MHz	Pass	PK	7.31038G	57.86	74.00	-16.14	3	Horizontal	15	1.01
2457MHz	Pass	AV	2.4562G	103.21	Inf	-Inf	3	Vertical	296	2.29
2457MHz	Pass	AV	2.4836G	46.56	54.00	-7.44	3	Vertical	296	2.29
2457MHz	Pass	PK	2.456G	105.83	Inf	-Inf	3	Vertical	296	2.29
2457MHz	Pass	PK	2.4886G	59.43	74.00	-14.57	3	Vertical	296	2.29
2457MHz	Pass	AV	2.4562G	105.91	Inf	-Inf	3	Horizontal	184	1.00
2457MHz	Pass	AV	2.4838G	47.26	54.00	-6.74	3	Horizontal	184	1.00
2457MHz	Pass	PK	2.456G	108.51	Inf	-Inf	3	Horizontal	184	1.00
2457MHz	Pass	PK	2.4844G	60.46	74.00	-13.54	3	Horizontal	184	1.00
2457MHz	Pass	AV	4.91394G	53.64	54.00	-0.36	3	Vertical	9	2.64
2457MHz	Pass	AV	7.37016G	52.27	54.00	-1.73	3	Vertical	355	1.46
2457MHz	Pass	PK	4.91406G	55.68	74.00	-18.32	3	Vertical	9	2.64
2457MHz	Pass	PK	7.37046G	56.97	74.00	-17.03	3	Vertical	355	1.46

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2457MHz	Pass	AV	4.91394G	50.77	54.00	-3.23	3	Horizontal	5	1.00
2457MHz	Pass	AV	7.37016G	53.65	54.00	-0.35	3	Horizontal	90	2.10
2457MHz	Pass	PK	4.91394G	53.32	74.00	-20.68	3	Horizontal	5	1.00
2457MHz	Pass	PK	7.37004G	58.06	74.00	-15.94	3	Horizontal	90	2.10
2462MHz	Pass	AV	2.4628G	102.80	Inf	-Inf	3	Vertical	297	2.18
2462MHz	Pass	AV	2.4886G	46.42	54.00	-7.58	3	Vertical	297	2.18
2462MHz	Pass	PK	2.4628G	105.43	Inf	-Inf	3	Vertical	297	2.18
2462MHz	Pass	PK	2.4842G	59.31	74.00	-14.69	3	Vertical	297	2.18
2462MHz	Pass	AV	2.4628G	105.59	Inf	-Inf	3	Horizontal	180	1.00
2462MHz	Pass	AV	2.4886G	47.69	54.00	-6.31	3	Horizontal	180	1.00
2462MHz	Pass	PK	2.4628G	108.19	Inf	-Inf	3	Horizontal	180	1.00
2462MHz	Pass	PK	2.4888G	60.19	74.00	-13.81	3	Horizontal	180	1.00
2462MHz	Pass	AV	4.92394G	53.85	54.00	-0.15	3	Vertical	8	2.62
2462MHz	Pass	AV	7.38516G	50.21	54.00	-3.79	3	Vertical	356	1.46
2462MHz	Pass	PK	4.924G	56.07	74.00	-17.93	3	Vertical	8	2.62
2462MHz	Pass	PK	7.38748G	55.75	74.00	-18.25	3	Vertical	356	1.46
2462MHz	Pass	AV	4.92394G	50.80	54.00	-3.20	3	Horizontal	6	1.00
2462MHz	Pass	AV	7.38514G	52.58	54.00	-1.42	3	Horizontal	90	1.98
2462MHz	Pass	PK	4.924G	53.30	74.00	-20.70	3	Horizontal	6	1.00
2462MHz	Pass	PK	7.38508G	57.53	74.00	-16.47	3	Horizontal	90	1.98
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.74	54.00	-1.26	3	Vertical	28	1.13
2412MHz	Pass	AV	2.411G	101.30	Inf	-Inf	3	Vertical	28	1.13
2412MHz	Pass	PK	2.39G	72.63	74.00	-1.37	3	Vertical	28	1.13
2412MHz	Pass	PK	2.413G	112.51	Inf	-Inf	3	Vertical	28	1.13
2412MHz	Pass	AV	2.39G	52.58	54.00	-1.42	3	Horizontal	298	2.42
2412MHz	Pass	AV	2.4128G	98.13	Inf	-Inf	3	Horizontal	298	2.42
2412MHz	Pass	PK	2.3898G	71.41	74.00	-2.59	3	Horizontal	298	2.42
2412MHz	Pass	PK	2.414G	108.31	Inf	-Inf	3	Horizontal	298	2.42
2412MHz	Pass	AV	4.82376G	41.49	54.00	-12.51	3	Vertical	357	2.13
2412MHz	Pass	PK	4.82368G	56.54	74.00	-17.46	3	Vertical	357	2.13
2412MHz	Pass	AV	4.82392G	37.23	54.00	-16.77	3	Horizontal	24	1.10
2412MHz	Pass	PK	4.8244G	51.52	74.00	-22.48	3	Horizontal	24	1.10
2417MHz	Pass	AV	2.39G	49.75	54.00	-4.25	3	Vertical	27	1.50
2417MHz	Pass	AV	2.416G	102.11	Inf	-Inf	3	Vertical	27	1.50
2417MHz	Pass	PK	2.3876G	71.73	74.00	-2.27	3	Vertical	27	1.50
2417MHz	Pass	PK	2.4184G	112.50	Inf	-Inf	3	Vertical	27	1.50
2417MHz	Pass	AV	2.39G	49.11	54.00	-4.89	3	Horizontal	297	2.44
2417MHz	Pass	AV	2.418G	99.39	Inf	-Inf	3	Horizontal	297	2.44
2417MHz	Pass	PK	2.3884G	71.15	74.00	-2.85	3	Horizontal	297	2.44
2417MHz	Pass	PK	2.4184G	110.03	Inf	-Inf	3	Horizontal	297	2.44
2437MHz	Pass	AV	2.3898G	46.88	54.00	-7.12	3	Vertical	24	1.50
2437MHz	Pass	AV	2.4362G	104.10	Inf	-Inf	3	Vertical	24	1.50
2437MHz	Pass	AV	2.4835G	47.42	54.00	-6.58	3	Vertical	24	1.50
2437MHz	Pass	PK	2.3894G	62.29	74.00	-11.71	3	Vertical	24	1.50
2437MHz	Pass	PK	2.4342G	114.29	Inf	-Inf	3	Vertical	24	1.50
2437MHz	Pass	PK	2.4854G	62.37	74.00	-11.63	3	Vertical	24	1.50
2437MHz	Pass	AV	2.389G	45.01	54.00	-8.99	3	Horizontal	192	1.50
2437MHz	Pass	AV	2.4358G	97.58	Inf	-Inf	3	Horizontal	192	1.50
2437MHz	Pass	AV	2.4835G	45.88	54.00	-8.12	3	Horizontal	192	1.50
2437MHz	Pass	PK	2.3882G	58.57	74.00	-15.43	3	Horizontal	192	1.50
2437MHz	Pass	PK	2.435G	107.75	Inf	-Inf	3	Horizontal	192	1.50
2437MHz	Pass	PK	2.4922G	59.29	74.00	-14.71	3	Horizontal	192	1.50
2437MHz	Pass	AV	4.87504G	44.22	54.00	-9.78	3	Vertical	0	2.45
2437MHz	Pass	AV	7.31156G	47.25	54.00	-6.75	3	Vertical	355	1.21
2437MHz	Pass	PK	4.87256G	57.17	74.00	-16.83	3	Vertical	0	2.45
2437MHz	Pass	PK	7.31092G	60.54	74.00	-13.46	3	Vertical	355	1.21
2437MHz	Pass	AV	4.87392G	41.02	54.00	-12.98	3	Horizontal	14	1.00
2437MHz	Pass	AV	7.31276G	49.60	54.00	-4.40	3	Horizontal	61	1.08
2437MHz	Pass	PK	4.87272G	54.07	74.00	-19.93	3	Horizontal	14	1.00
2437MHz	Pass	PK	7.3134G	63.89	74.00	-10.11	3	Horizontal	61	1.08
2457MHz	Pass	AV	2.4576G	102.85	Inf	-Inf	3	Vertical	10	2.15

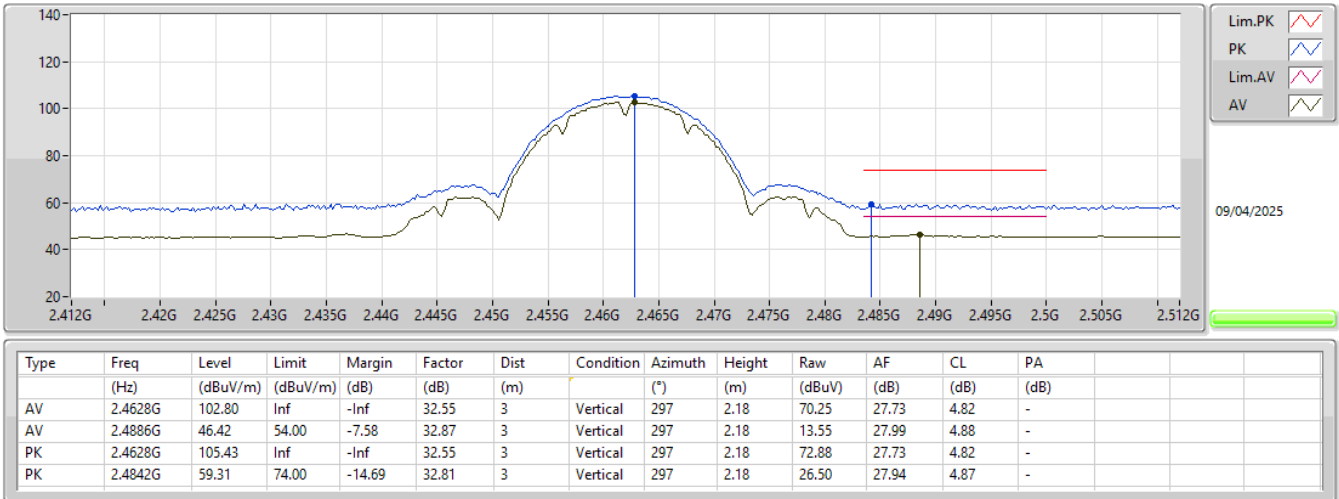
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2457MHz	Pass	AV	2.4835G	50.77	54.00	-3.23	3	Vertical	10	2.15
2457MHz	Pass	PK	2.4558G	112.99	Inf	-Inf	3	Vertical	10	2.15
2457MHz	Pass	PK	2.4862G	72.78	74.00	-1.22	3	Vertical	10	2.15
2457MHz	Pass	AV	2.4578G	98.67	Inf	-Inf	3	Horizontal	163	2.60
2457MHz	Pass	AV	2.4835G	47.61	54.00	-6.39	3	Horizontal	163	2.60
2457MHz	Pass	PK	2.4582G	109.87	Inf	-Inf	3	Horizontal	163	2.60
2457MHz	Pass	PK	2.4844G	67.08	74.00	-6.92	3	Horizontal	163	2.60
2462MHz	Pass	AV	2.4626G	101.08	Inf	-Inf	3	Vertical	348	1.98
2462MHz	Pass	AV	2.4835G	53.15	54.00	-0.85	3	Vertical	348	1.98
2462MHz	Pass	PK	2.4632G	111.48	Inf	-Inf	3	Vertical	348	1.98
2462MHz	Pass	PK	2.4836G	73.66	74.00	-0.34	3	Vertical	348	1.98
2462MHz	Pass	AV	2.4628G	98.09	Inf	-Inf	3	Horizontal	139	1.26
2462MHz	Pass	AV	2.4835G	51.14	54.00	-2.86	3	Horizontal	139	1.26
2462MHz	Pass	PK	2.4628G	109.01	Inf	-Inf	3	Horizontal	139	1.26
2462MHz	Pass	PK	2.4835G	69.14	74.00	-4.86	3	Horizontal	139	1.26
2462MHz	Pass	AV	4.9237G	41.24	54.00	-12.76	3	Vertical	6	1.50
2462MHz	Pass	AV	7.3857G	43.33	54.00	-10.67	3	Vertical	356	1.65
2462MHz	Pass	PK	4.92568G	55.63	74.00	-18.37	3	Vertical	6	1.50
2462MHz	Pass	PK	7.3842G	58.20	74.00	-15.80	3	Vertical	356	1.65
2462MHz	Pass	AV	4.9237G	40.38	54.00	-13.62	3	Horizontal	25	1.61
2462MHz	Pass	AV	7.386G	44.49	54.00	-9.51	3	Horizontal	76	2.08
2462MHz	Pass	PK	4.92358G	54.76	74.00	-19.24	3	Horizontal	25	1.61
2462MHz	Pass	PK	7.38738G	58.92	74.00	-15.08	3	Horizontal	76	2.08
802.11n HT20_Nss1(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.89	54.00	-1.11	3	Vertical	16	2.25
2412MHz	Pass	AV	2.4126G	99.04	Inf	-Inf	3	Vertical	16	2.25
2412MHz	Pass	PK	2.39G	70.90	74.00	-3.10	3	Vertical	16	2.25
2412MHz	Pass	PK	2.4134G	109.72	Inf	-Inf	3	Vertical	16	2.25
2412MHz	Pass	AV	2.39G	52.93	54.00	-1.07	3	Horizontal	185	1.00
2412MHz	Pass	AV	2.4112G	97.33	Inf	-Inf	3	Horizontal	185	1.00
2412MHz	Pass	PK	2.39G	71.73	74.00	-2.27	3	Horizontal	185	1.00
2412MHz	Pass	PK	2.412G	107.99	Inf	-Inf	3	Horizontal	185	1.00
2412MHz	Pass	AV	4.82384G	40.25	54.00	-13.75	3	Vertical	1	2.12
2412MHz	Pass	PK	4.82056G	55.51	74.00	-18.49	3	Vertical	1	2.12
2412MHz	Pass	AV	4.8244G	36.39	54.00	-17.61	3	Horizontal	23	1.11
2412MHz	Pass	PK	4.8228G	51.95	74.00	-22.05	3	Horizontal	23	1.11
2417MHz	Pass	AV	2.39G	52.31	54.00	-1.69	3	Vertical	16	2.25
2417MHz	Pass	AV	2.4164G	100.59	Inf	-Inf	3	Vertical	16	2.25
2417MHz	Pass	PK	2.3898G	70.11	74.00	-3.89	3	Vertical	16	2.25
2417MHz	Pass	PK	2.4144G	111.06	Inf	-Inf	3	Vertical	16	2.25
2417MHz	Pass	AV	2.39G	52.06	54.00	-1.94	3	Horizontal	186	1.00
2417MHz	Pass	AV	2.4162G	98.59	Inf	-Inf	3	Horizontal	186	1.00
2417MHz	Pass	PK	2.39G	69.25	74.00	-4.75	3	Horizontal	186	1.00
2417MHz	Pass	PK	2.4176G	109.15	Inf	-Inf	3	Horizontal	186	1.00
2437MHz	Pass	AV	2.3898G	47.31	54.00	-6.69	3	Vertical	15	1.75
2437MHz	Pass	AV	2.4378G	103.15	Inf	-Inf	3	Vertical	15	1.75
2437MHz	Pass	AV	2.4835G	49.31	54.00	-4.69	3	Vertical	15	1.75
2437MHz	Pass	PK	2.389G	67.94	74.00	-6.06	3	Vertical	15	1.75
2437MHz	Pass	PK	2.4362G	114.08	Inf	-Inf	3	Vertical	15	1.75
2437MHz	Pass	PK	2.4838G	66.70	74.00	-7.30	3	Vertical	15	1.75
2437MHz	Pass	AV	2.389G	46.75	54.00	-7.25	3	Horizontal	186	1.01
2437MHz	Pass	AV	2.4378G	100.94	Inf	-Inf	3	Horizontal	186	1.01
2437MHz	Pass	AV	2.4835G	47.59	54.00	-6.41	3	Horizontal	186	1.01
2437MHz	Pass	PK	2.3878G	66.34	74.00	-7.66	3	Horizontal	186	1.01
2437MHz	Pass	PK	2.4358G	111.48	Inf	-Inf	3	Horizontal	186	1.01
2437MHz	Pass	PK	2.4835G	64.64	74.00	-9.36	3	Horizontal	186	1.01
2437MHz	Pass	AV	4.8728G	44.51	54.00	-9.49	3	Vertical	0	2.51
2437MHz	Pass	AV	7.31116G	47.43	54.00	-6.57	3	Vertical	354	1.50
2437MHz	Pass	PK	4.87456G	58.43	74.00	-15.57	3	Vertical	0	2.51
2437MHz	Pass	PK	7.31116G	61.28	74.00	-12.72	3	Vertical	354	1.50
2437MHz	Pass	AV	4.87384G	41.19	54.00	-12.81	3	Horizontal	21	1.21
2437MHz	Pass	AV	7.31164G	51.28	54.00	-2.72	3	Horizontal	74	2.00

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2437MHz	Pass	PK	4.87552G	55.13	74.00	-18.87	3	Horizontal	21	1.21
2437MHz	Pass	PK	7.31212G	65.96	74.00	-8.04	3	Horizontal	74	2.00
2457MHz	Pass	AV	2.4562G	100.75	Inf	-Inf	3	Vertical	13	1.22
2457MHz	Pass	AV	2.4835G	52.70	54.00	-1.30	3	Vertical	13	1.22
2457MHz	Pass	PK	2.4572G	111.62	Inf	-Inf	3	Vertical	13	1.22
2457MHz	Pass	PK	2.4844G	69.44	74.00	-4.56	3	Vertical	13	1.22
2457MHz	Pass	AV	2.4564G	98.28	Inf	-Inf	3	Horizontal	184	1.20
2457MHz	Pass	AV	2.4835G	51.07	54.00	-2.93	3	Horizontal	184	1.20
2457MHz	Pass	PK	2.4588G	108.69	Inf	-Inf	3	Horizontal	184	1.20
2457MHz	Pass	PK	2.4844G	68.17	74.00	-5.83	3	Horizontal	184	1.20
2462MHz	Pass	AV	2.4612G	99.45	Inf	-Inf	3	Vertical	20	1.19
2462MHz	Pass	AV	2.4835G	52.67	54.00	-1.33	3	Vertical	20	1.19
2462MHz	Pass	PK	2.4618G	109.72	Inf	-Inf	3	Vertical	20	1.19
2462MHz	Pass	PK	2.4844G	71.28	74.00	-2.72	3	Vertical	20	1.19
2462MHz	Pass	AV	2.4626G	96.69	Inf	-Inf	3	Horizontal	139	1.27
2462MHz	Pass	AV	2.4835G	50.98	54.00	-3.02	3	Horizontal	139	1.27
2462MHz	Pass	PK	2.4632G	107.10	Inf	-Inf	3	Horizontal	139	1.27
2462MHz	Pass	PK	2.4836G	68.07	74.00	-5.93	3	Horizontal	139	1.27
2462MHz	Pass	AV	4.92346G	39.25	54.00	-14.75	3	Vertical	5	1.50
2462MHz	Pass	AV	7.38666G	41.79	54.00	-12.21	3	Vertical	355	1.60
2462MHz	Pass	PK	4.92238G	54.30	74.00	-19.70	3	Vertical	5	1.50
2462MHz	Pass	PK	7.39044G	56.23	74.00	-17.77	3	Vertical	355	1.60
2462MHz	Pass	AV	4.92256G	38.90	54.00	-15.10	3	Horizontal	23	2.15
2462MHz	Pass	AV	7.38594G	42.53	54.00	-11.47	3	Horizontal	76	2.00
2462MHz	Pass	PK	4.92406G	53.62	74.00	-20.38	3	Horizontal	23	2.15
2462MHz	Pass	PK	7.38666G	57.10	74.00	-16.90	3	Horizontal	76	2.00
802.11n HT40_Nss1(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	52.22	54.00	-1.78	3	Vertical	19	2.11
2422MHz	Pass	AV	2.4236G	93.99	Inf	-Inf	3	Vertical	19	2.11
2422MHz	Pass	AV	2.4844G	46.92	54.00	-7.08	3	Vertical	19	2.11
2422MHz	Pass	PK	2.3864G	68.40	74.00	-5.60	3	Vertical	19	2.11
2422MHz	Pass	PK	2.4244G	104.39	Inf	-Inf	3	Vertical	19	2.11
2422MHz	Pass	PK	2.4852G	61.32	74.00	-12.68	3	Vertical	19	2.11
2422MHz	Pass	AV	2.39G	52.89	54.00	-1.11	3	Horizontal	185	1.00
2422MHz	Pass	AV	2.4236G	92.89	Inf	-Inf	3	Horizontal	185	1.00
2422MHz	Pass	AV	2.484G	46.59	54.00	-7.41	3	Horizontal	185	1.00
2422MHz	Pass	PK	2.3888G	71.40	74.00	-2.60	3	Horizontal	185	1.00
2422MHz	Pass	PK	2.42G	104.15	Inf	-Inf	3	Horizontal	185	1.00
2422MHz	Pass	PK	2.4864G	60.93	74.00	-13.07	3	Horizontal	185	1.00
2422MHz	Pass	AV	4.84392G	36.36	54.00	-17.64	3	Vertical	0	2.53
2422MHz	Pass	AV	7.26768G	39.60	54.00	-14.40	3	Vertical	355	1.43
2422MHz	Pass	PK	4.84016G	51.54	74.00	-22.46	3	Vertical	0	2.53
2422MHz	Pass	PK	7.27552G	54.26	74.00	-19.74	3	Vertical	355	1.43
2422MHz	Pass	AV	4.84432G	33.57	54.00	-20.43	3	Horizontal	23	1.03
2422MHz	Pass	AV	7.27048G	42.03	54.00	-11.97	3	Horizontal	74	2.23
2422MHz	Pass	PK	4.85712G	49.17	74.00	-24.83	3	Horizontal	23	1.03
2422MHz	Pass	PK	7.27272G	56.85	74.00	-17.15	3	Horizontal	74	2.23
2427MHz	Pass	AV	2.3898G	52.19	54.00	-1.81	3	Vertical	0	2.03
2427MHz	Pass	AV	2.4286G	96.09	Inf	-Inf	3	Vertical	0	2.03
2427MHz	Pass	AV	2.4838G	47.08	54.00	-6.92	3	Vertical	0	2.03
2427MHz	Pass	PK	2.387G	68.22	74.00	-5.78	3	Vertical	0	2.03
2427MHz	Pass	PK	2.423G	106.28	Inf	-Inf	3	Vertical	0	2.03
2427MHz	Pass	PK	2.4846G	61.74	74.00	-12.26	3	Vertical	0	2.03
2427MHz	Pass	AV	2.3898G	49.72	54.00	-4.28	3	Horizontal	173	1.50
2427MHz	Pass	AV	2.4286G	92.15	Inf	-Inf	3	Horizontal	173	1.50
2427MHz	Pass	AV	2.4835G	46.03	54.00	-7.97	3	Horizontal	173	1.50
2427MHz	Pass	PK	2.3894G	65.17	74.00	-8.83	3	Horizontal	173	1.50
2427MHz	Pass	PK	2.429G	102.03	Inf	-Inf	3	Horizontal	173	1.50
2427MHz	Pass	PK	2.4914G	60.61	74.00	-13.39	3	Horizontal	173	1.50
2437MHz	Pass	AV	2.3898G	50.00	54.00	-4.00	3	Vertical	15	2.60
2437MHz	Pass	AV	2.4386G	96.25	Inf	-Inf	3	Vertical	15	2.60
2437MHz	Pass	AV	2.4835G	52.25	54.00	-1.75	3	Vertical	15	2.60

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2437MHz	Pass	PK	2.3894G	65.88	74.00	-8.12	3	Vertical	15	2.60
2437MHz	Pass	PK	2.4394G	107.46	Inf	-Inf	3	Vertical	15	2.60
2437MHz	Pass	PK	2.4842G	70.49	74.00	-3.51	3	Vertical	15	2.60
2437MHz	Pass	AV	2.3898G	49.84	54.00	-4.16	3	Horizontal	185	1.01
2437MHz	Pass	AV	2.4382G	94.28	Inf	-Inf	3	Horizontal	185	1.01
2437MHz	Pass	AV	2.4835G	51.34	54.00	-2.66	3	Horizontal	185	1.01
2437MHz	Pass	PK	2.3878G	66.08	74.00	-7.92	3	Horizontal	185	1.01
2437MHz	Pass	PK	2.4398G	104.74	Inf	-Inf	3	Horizontal	185	1.01
2437MHz	Pass	PK	2.4835G	66.51	74.00	-7.49	3	Horizontal	185	1.01
2437MHz	Pass	AV	4.87384G	38.36	54.00	-15.64	3	Vertical	2	2.17
2437MHz	Pass	AV	7.3134G	41.34	54.00	-12.66	3	Vertical	355	1.49
2437MHz	Pass	PK	4.8756G	52.97	74.00	-21.03	3	Vertical	2	2.17
2437MHz	Pass	PK	7.2986G	55.35	74.00	-18.65	3	Vertical	355	1.49
2437MHz	Pass	AV	4.87376G	35.98	54.00	-18.02	3	Horizontal	15	1.01
2437MHz	Pass	AV	7.31588G	42.11	54.00	-11.89	3	Horizontal	62	1.08
2437MHz	Pass	PK	4.874G	50.29	74.00	-23.71	3	Horizontal	15	1.01
2437MHz	Pass	PK	7.31276G	56.93	74.00	-17.07	3	Horizontal	62	1.08
2447MHz	Pass	AV	2.3898G	45.48	54.00	-8.52	3	Vertical	22	1.26
2447MHz	Pass	AV	2.4494G	95.65	Inf	-Inf	3	Vertical	22	1.26
2447MHz	Pass	AV	2.4835G	52.88	54.00	-1.12	3	Vertical	22	1.26
2447MHz	Pass	PK	2.3726G	59.34	74.00	-14.66	3	Vertical	22	1.26
2447MHz	Pass	PK	2.4494G	106.26	Inf	-Inf	3	Vertical	22	1.26
2447MHz	Pass	PK	2.4838G	69.88	74.00	-4.12	3	Vertical	22	1.26
2447MHz	Pass	AV	2.3898G	45.34	54.00	-8.66	3	Horizontal	145	1.41
2447MHz	Pass	AV	2.4486G	94.42	Inf	-Inf	3	Horizontal	145	1.41
2447MHz	Pass	AV	2.4835G	52.74	54.00	-1.26	3	Horizontal	145	1.41
2447MHz	Pass	PK	2.373G	59.19	74.00	-14.81	3	Horizontal	145	1.41
2447MHz	Pass	PK	2.4494G	105.11	Inf	-Inf	3	Horizontal	145	1.41
2447MHz	Pass	PK	2.4842G	68.98	74.00	-5.02	3	Horizontal	145	1.41
2452MHz	Pass	AV	2.39G	45.20	54.00	-8.80	3	Vertical	344	2.13
2452MHz	Pass	AV	2.4532G	94.42	Inf	-Inf	3	Vertical	344	2.13
2452MHz	Pass	AV	2.484G	52.37	54.00	-1.63	3	Vertical	344	2.13
2452MHz	Pass	PK	2.3852G	58.84	74.00	-15.16	3	Vertical	344	2.13
2452MHz	Pass	PK	2.4548G	104.62	Inf	-Inf	3	Vertical	344	2.13
2452MHz	Pass	PK	2.4835G	69.34	74.00	-4.66	3	Vertical	344	2.13
2452MHz	Pass	AV	2.3896G	45.12	54.00	-8.88	3	Horizontal	181	1.10
2452MHz	Pass	AV	2.4496G	90.93	Inf	-Inf	3	Horizontal	181	1.10
2452MHz	Pass	AV	2.4835G	49.47	54.00	-4.53	3	Horizontal	181	1.10
2452MHz	Pass	PK	2.3872G	59.33	74.00	-14.67	3	Horizontal	181	1.10
2452MHz	Pass	PK	2.4496G	101.32	Inf	-Inf	3	Horizontal	181	1.10
2452MHz	Pass	PK	2.486G	64.54	74.00	-9.46	3	Horizontal	181	1.10
2452MHz	Pass	AV	4.90416G	38.72	54.00	-15.28	3	Vertical	0	1.50
2452MHz	Pass	AV	7.35784G	42.12	54.00	-11.88	3	Vertical	355	1.50
2452MHz	Pass	PK	4.90176G	53.02	74.00	-20.98	3	Vertical	0	1.50
2452MHz	Pass	PK	7.36336G	56.00	74.00	-18.00	3	Vertical	355	1.50
2452MHz	Pass	AV	4.90432G	37.34	54.00	-16.66	3	Horizontal	19	1.00
2452MHz	Pass	AV	7.35744G	45.12	54.00	-8.88	3	Horizontal	63	1.00
2452MHz	Pass	PK	4.90456G	51.29	74.00	-22.71	3	Horizontal	19	1.00
2452MHz	Pass	PK	7.36288G	59.62	74.00	-14.38	3	Horizontal	63	1.00

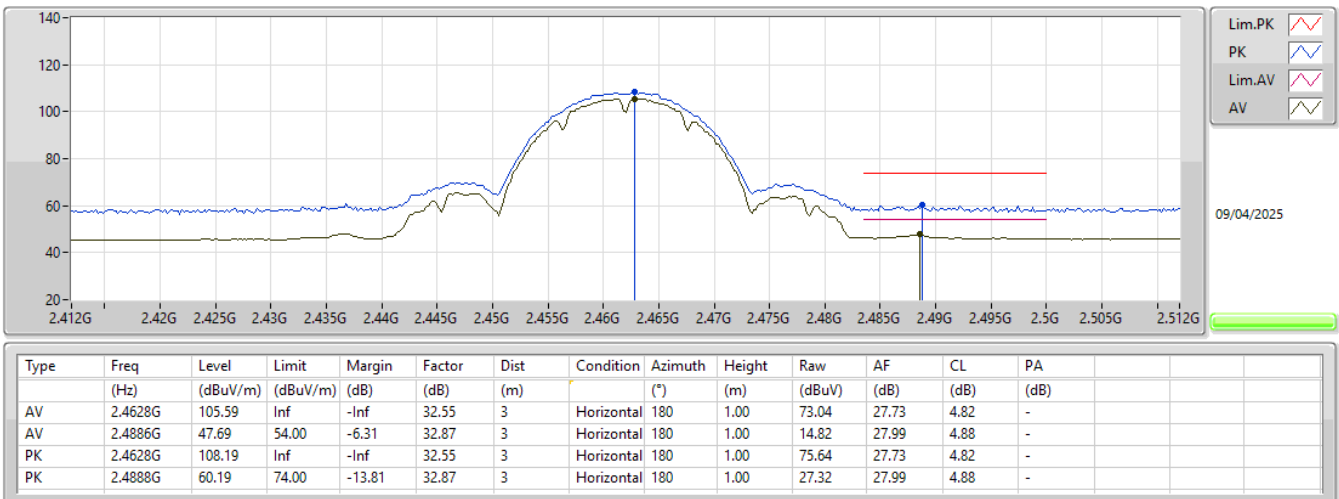
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX



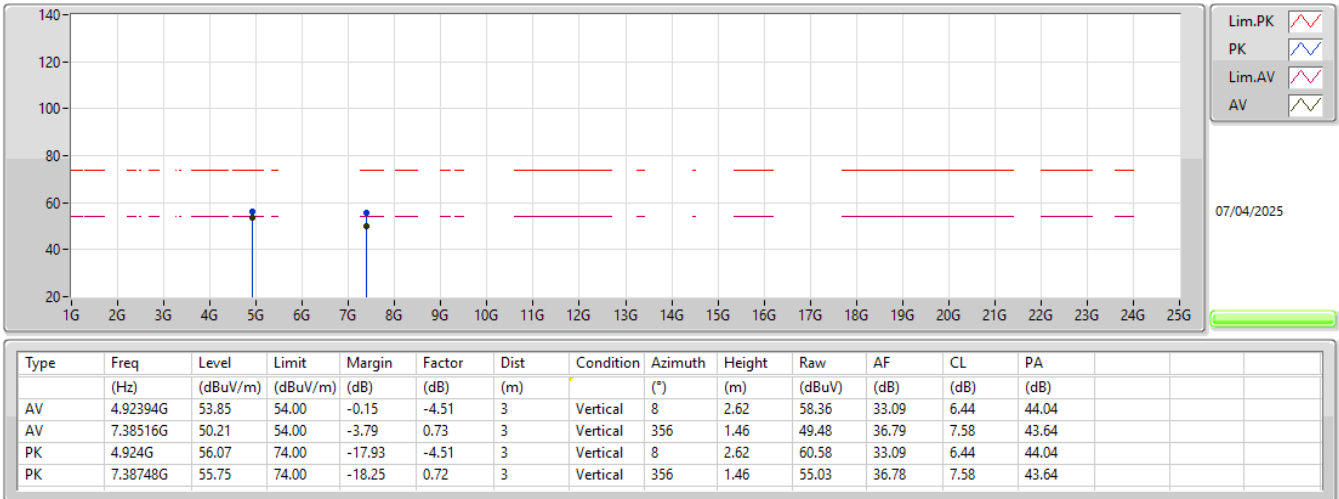
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX



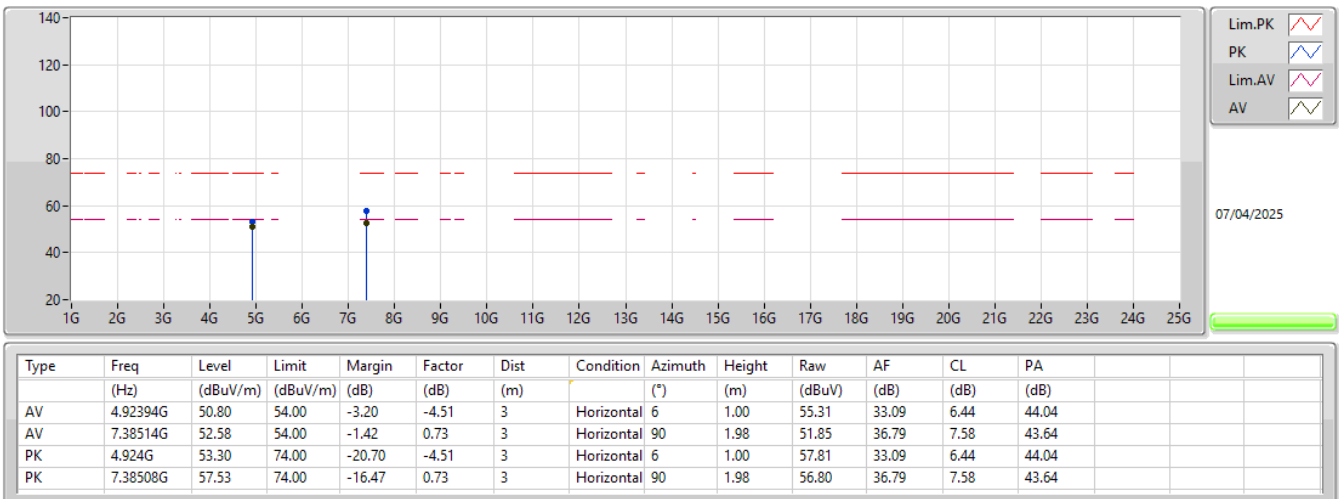
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX



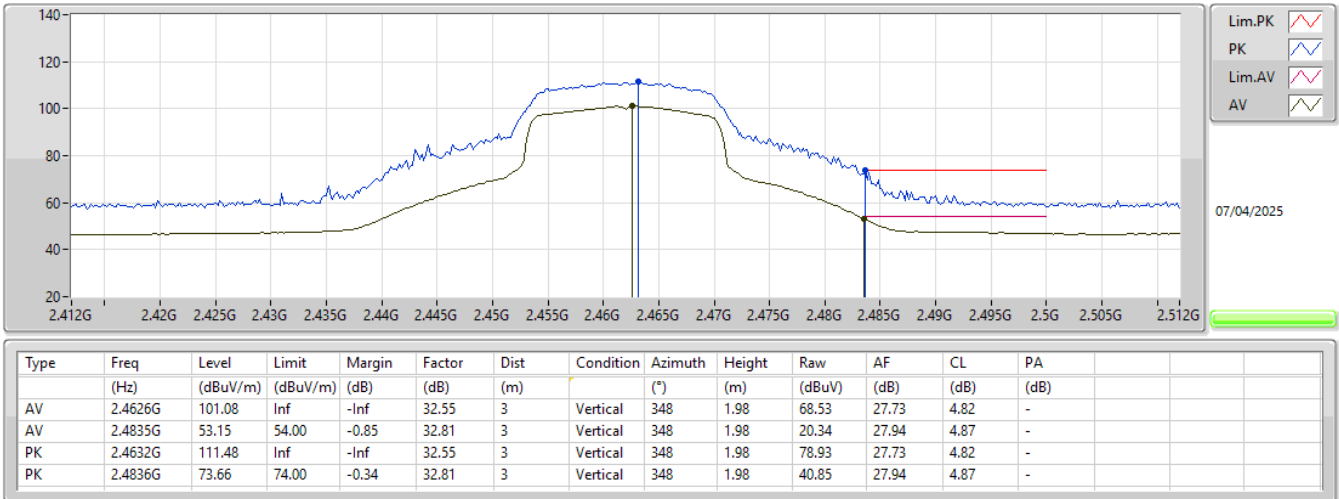
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX



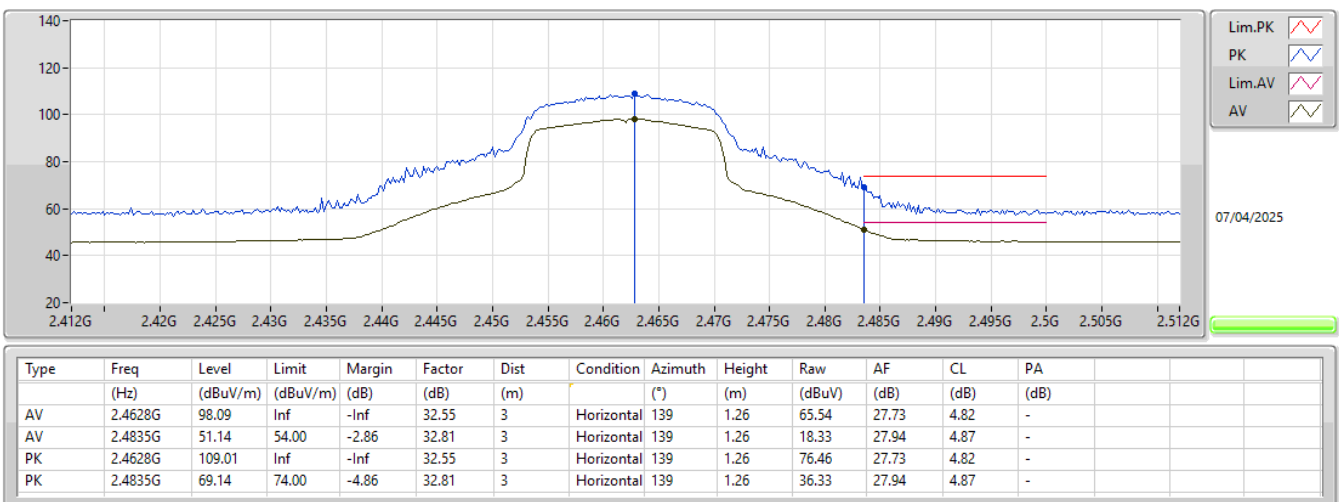
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX



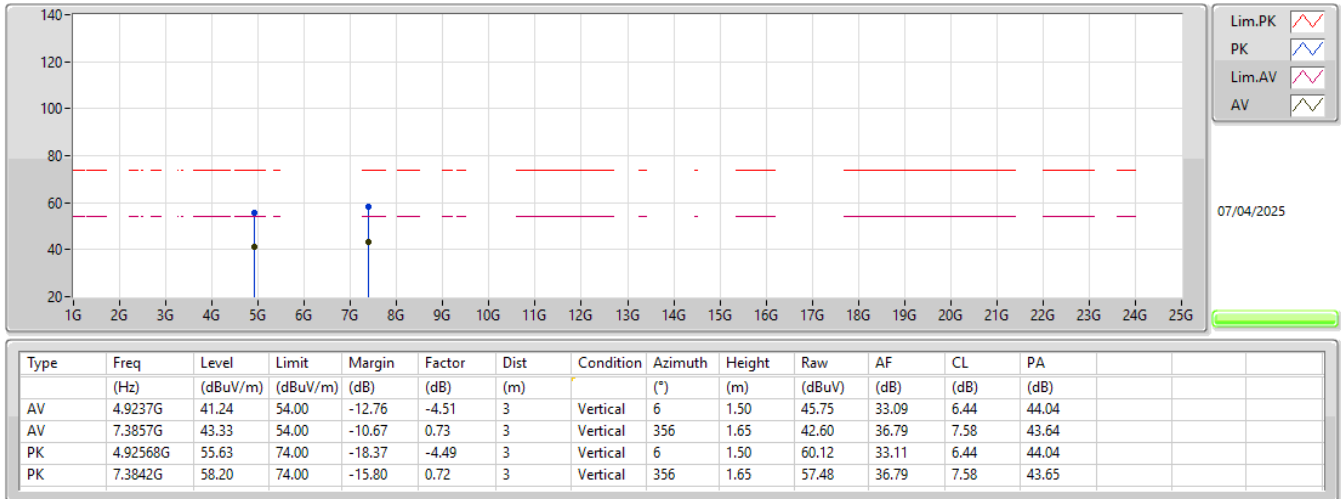
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX



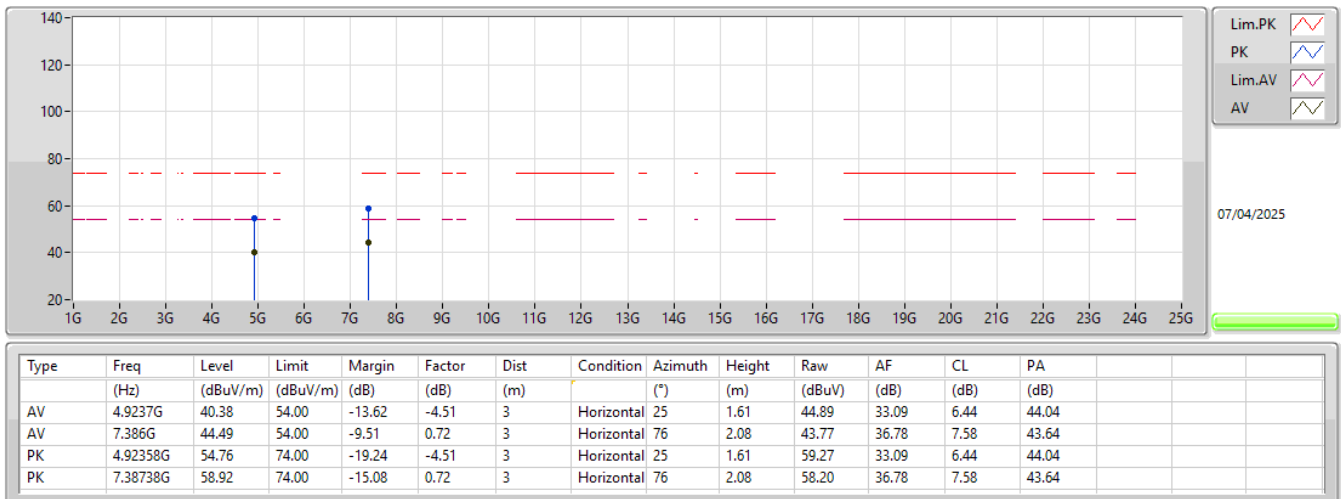
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX



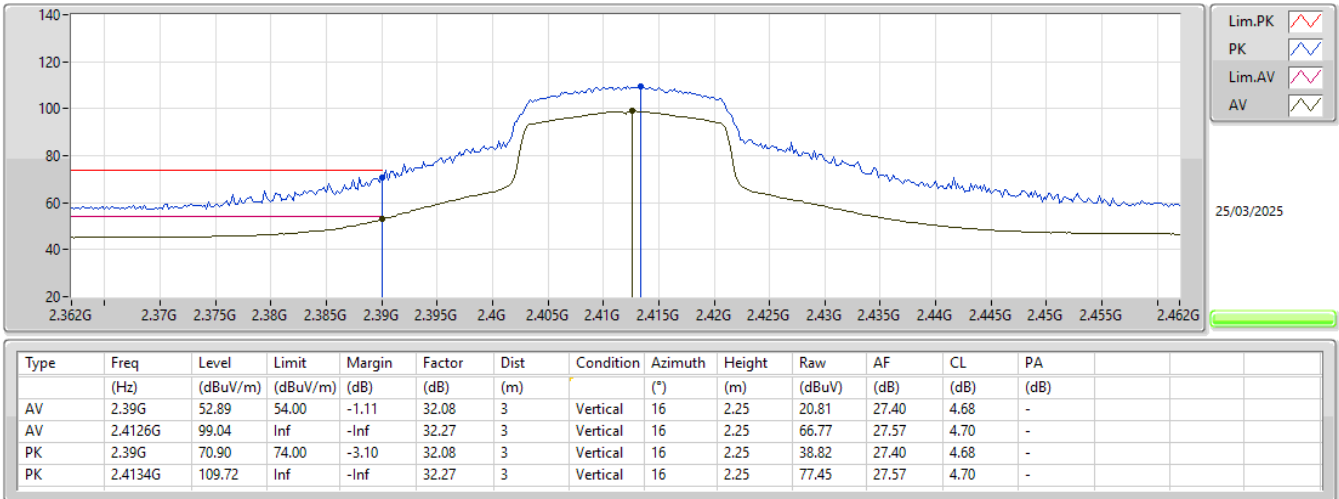
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX



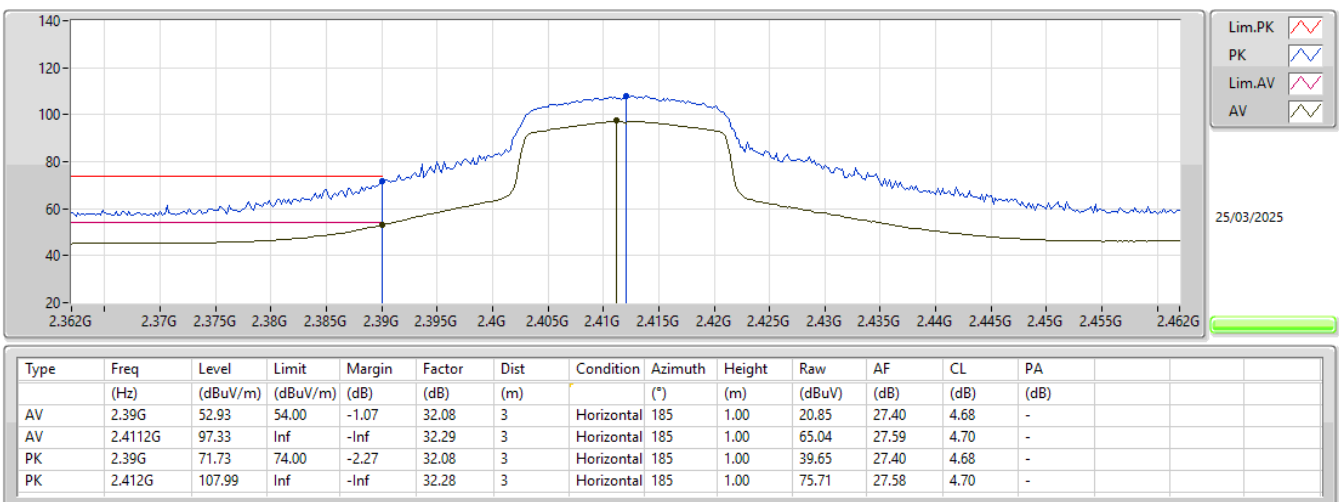
2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

2412MHz_TX



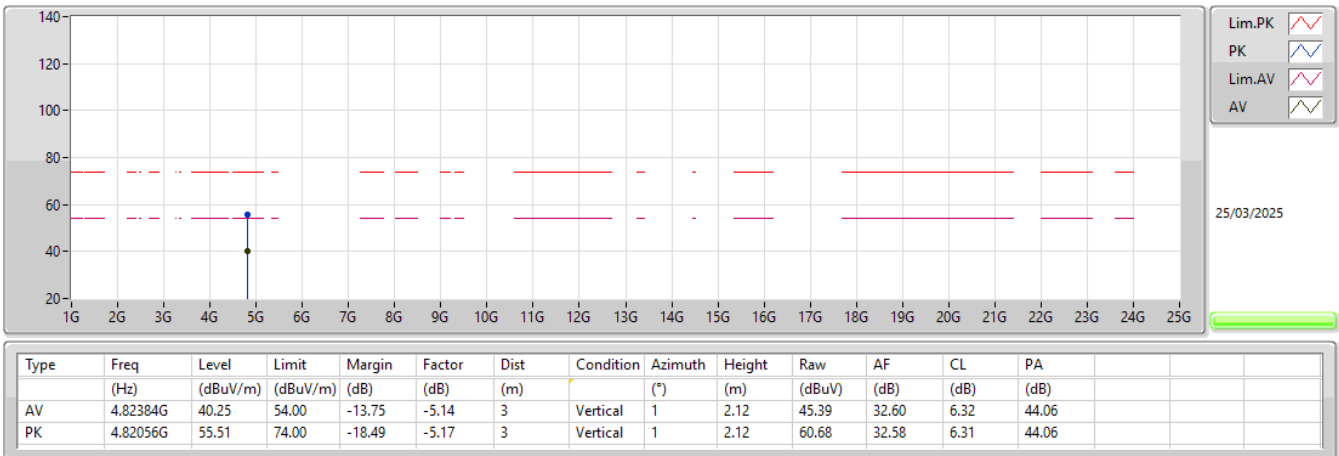
2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

2412MHz_TX



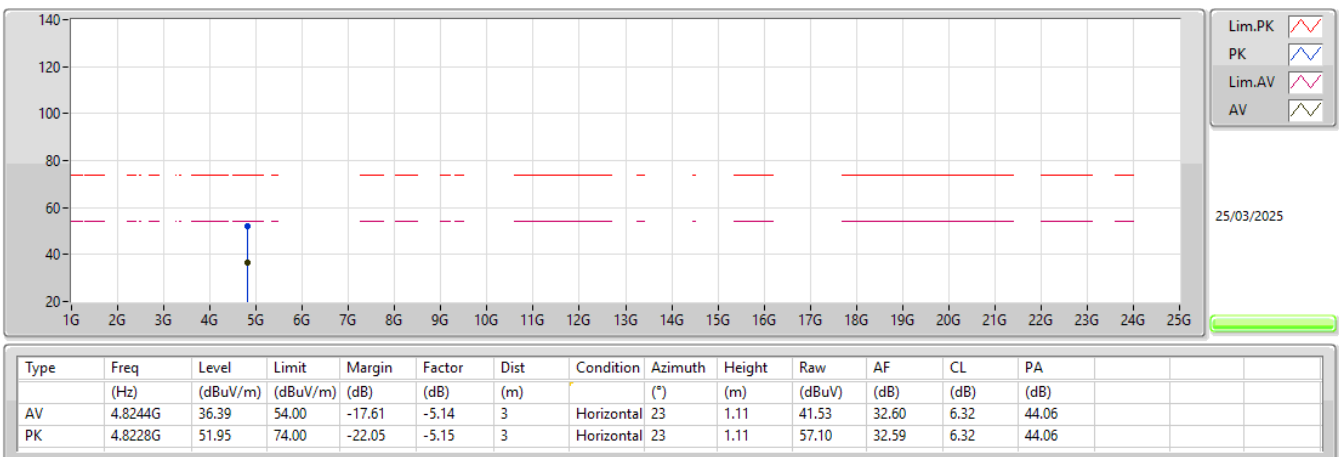
2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX



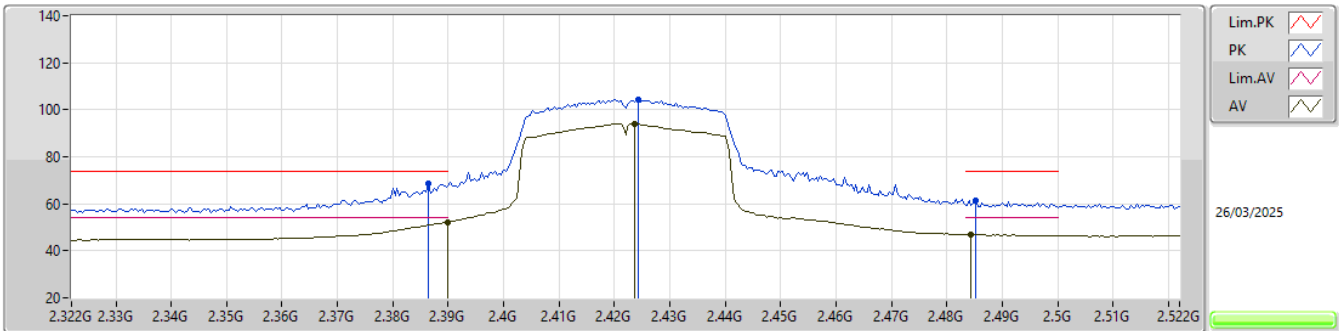
2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX



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

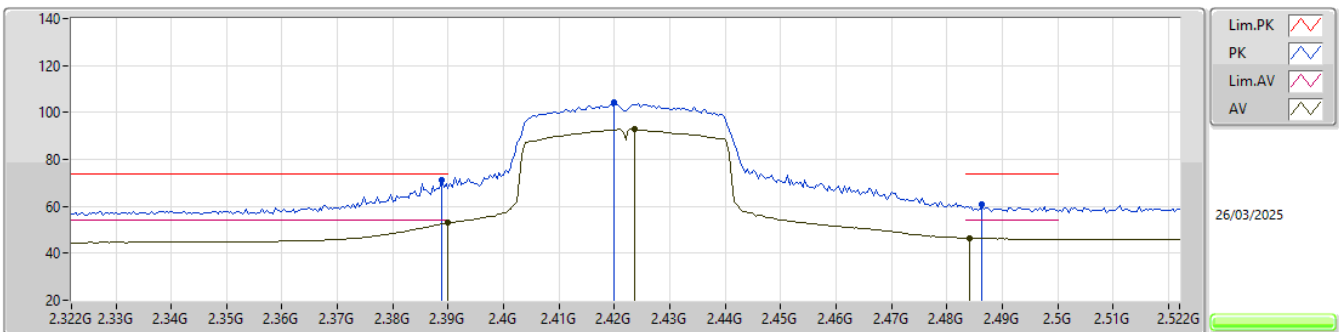
2422MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	52.22	54.00	-1.78	32.08	3	Vertical	19	2.11	20.14	27.40	4.68	-
AV	2.4236G	93.99	Inf	-Inf	32.27	3	Vertical	19	2.11	61.72	27.54	4.73	-
AV	2.4844G	46.92	54.00	-7.08	32.81	3	Vertical	19	2.11	14.11	27.94	4.87	-
PK	2.3864G	68.40	74.00	-5.60	32.04	3	Vertical	19	2.11	36.36	27.36	4.68	-
PK	2.4244G	104.39	Inf	-Inf	32.27	3	Vertical	19	2.11	72.12	27.54	4.73	-
PK	2.4852G	61.32	74.00	-12.68	32.82	3	Vertical	19	2.11	28.50	27.95	4.87	-

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

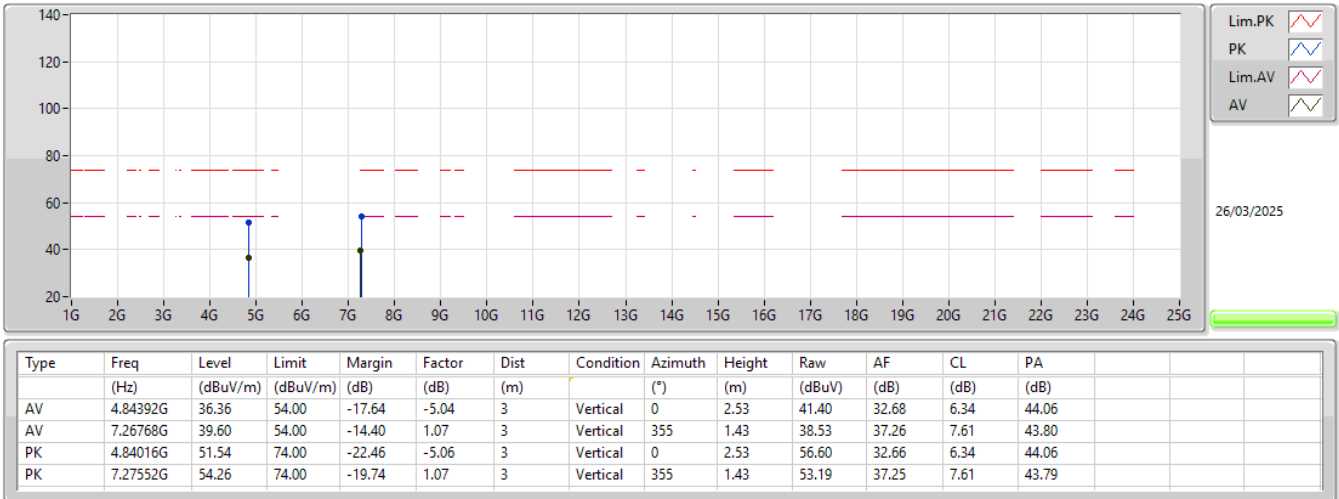
2422MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	52.89	54.00	-1.11	32.08	3	Horizontal	185	1.00	20.81	27.40	4.68	-
AV	2.4236G	92.89	Inf	-Inf	32.27	3	Horizontal	185	1.00	60.62	27.54	4.73	-
AV	2.484G	46.59	54.00	-7.41	32.81	3	Horizontal	185	1.00	13.78	27.94	4.87	-
PK	2.3888G	71.40	74.00	-2.60	32.07	3	Horizontal	185	1.00	39.33	27.39	4.68	-
PK	2.42G	104.15	Inf	-Inf	32.22	3	Horizontal	185	1.00	71.93	27.50	4.72	-
PK	2.4864G	60.93	74.00	-13.07	32.83	3	Horizontal	185	1.00	28.10	27.96	4.87	-

2.4-2.4835GHz_802.11n_HT40_Nss1,(MCS0)_1TX

2422MHz_TX



2.4-2.4835GHz_802.11n_HT40_Nss1,(MCS0)_1TX

2422MHz_TX

