



FCC Radio Test Report

FCC ID : HBW-D49TXXB
Equipment : myQ Video Doorbell
Brand Name : myQ
Model Name : MYQ-D49TXXB
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 Apr. 01, 2025 and completed on Apr. 15, 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.)



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History of this test report

Report No.	Version	Description	Issued Date
FR521818AC	01	Initial issue of report	Apr. 25, 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	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	RFMTA250900NNAB001	Metal	N/A	2.4G
2	Primax	RFFPA301914IMAB301	FPC	I-Pex	BT

Ant.	Port	Gain (dBi)	
		2.4G	Bluetooth
1	1	1.37	-
2	1	-	1.96

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	
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	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	21.3~23.1℃ / 53~57%	03/Apr/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	22.8~23.9℃ / 52~61%	01/Apr/2025~15/Apr/2025
Radiated	03CH25-HY	Rian Chung	19.7~23.1℃ / 51~55%	11/Apr/2025~15/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	1F
2437MHz	1F
2462MHz	1F
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	22
2437MHz	2C
2462MHz	2C
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	23
2437MHz	2A
2462MHz	2A
802.11n HT40_Nss1,(MCS0)_1TX	-
2422MHz	27
2427MHz	29
2437MHz	2C
2447MHz	28
2452MHz	29

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		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT			V

2.3 Accessories

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

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

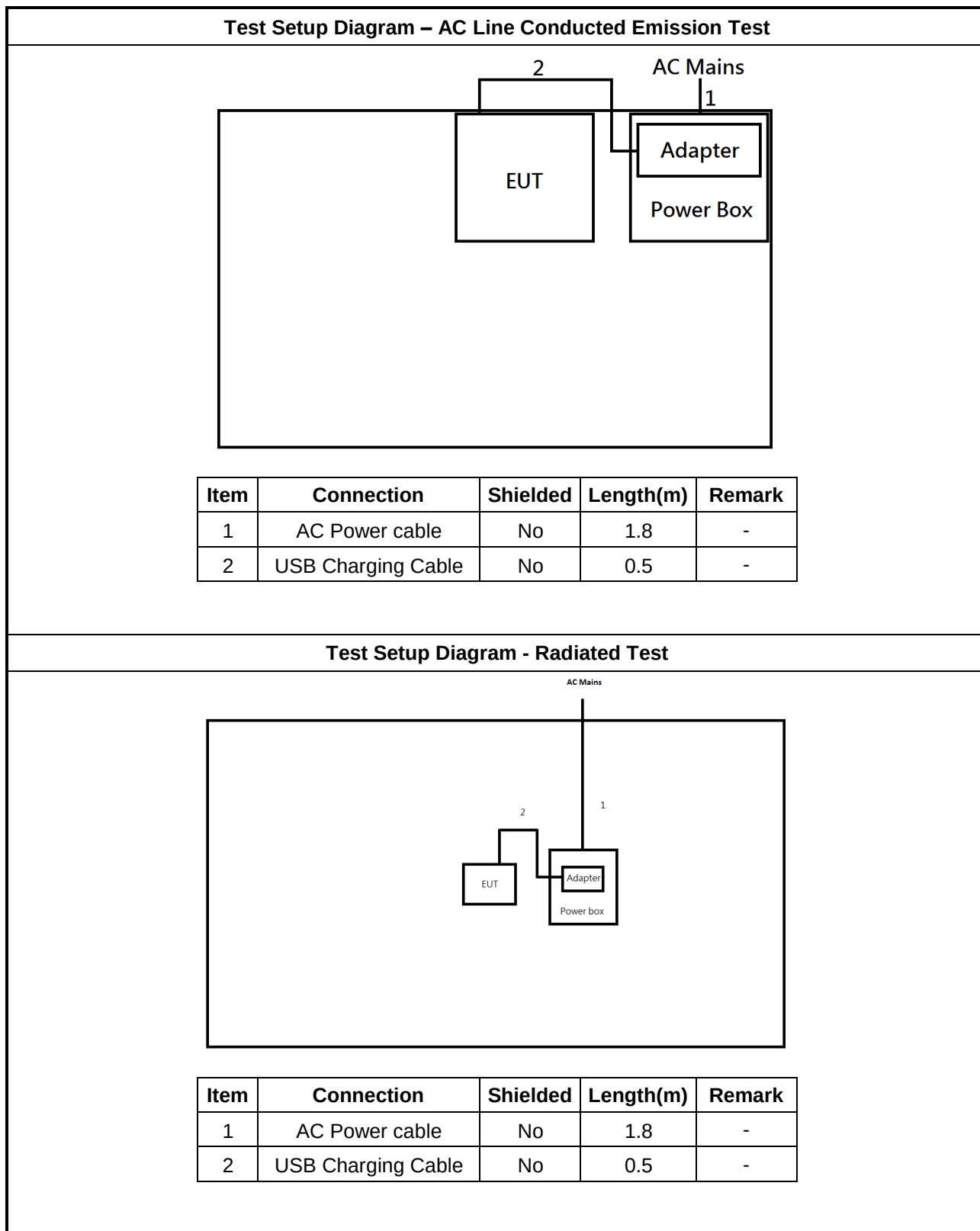
2.4 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	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	-	-

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

2.5 Test Setup Diagram



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

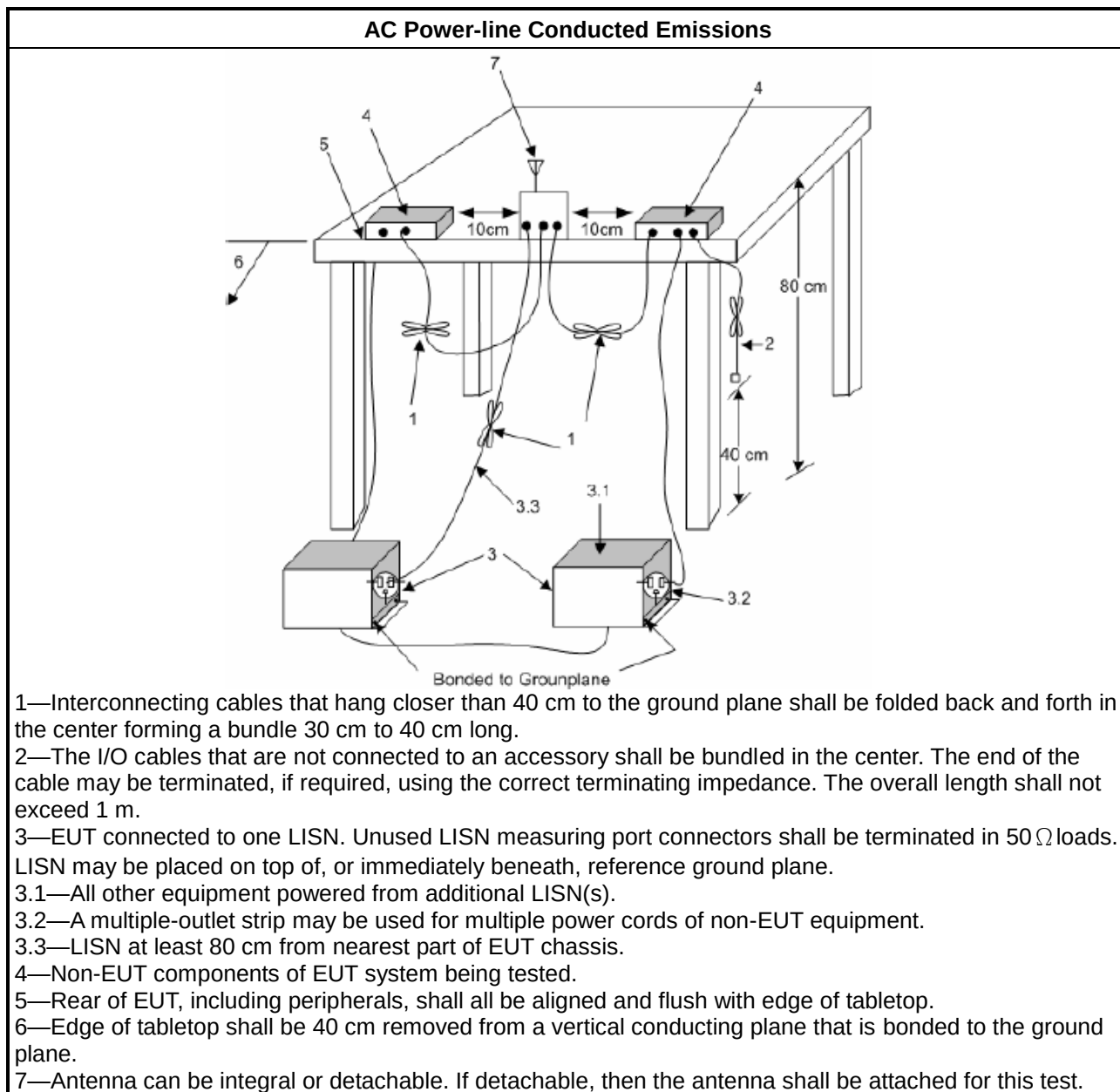
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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.

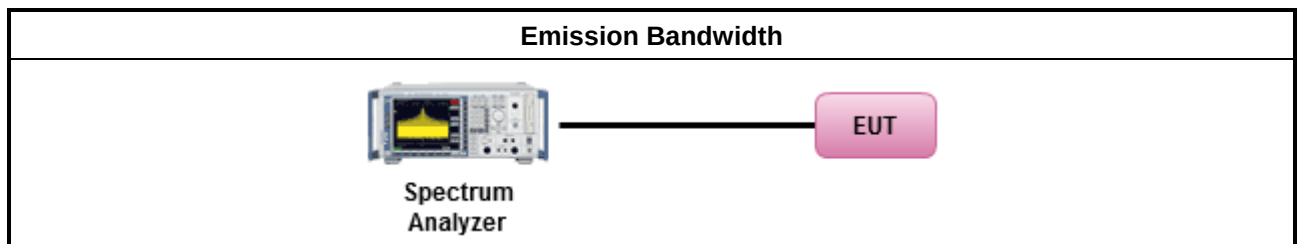
3.2.2 Measuring Instruments

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 $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ 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.	

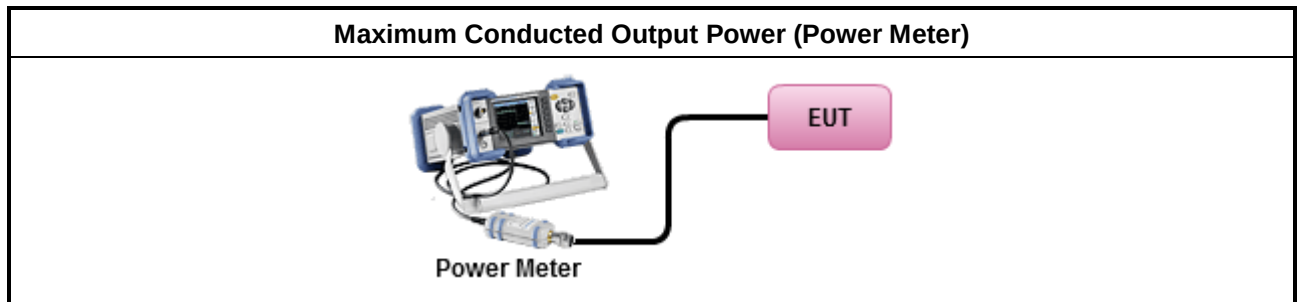
3.3.2 Measuring Instruments

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

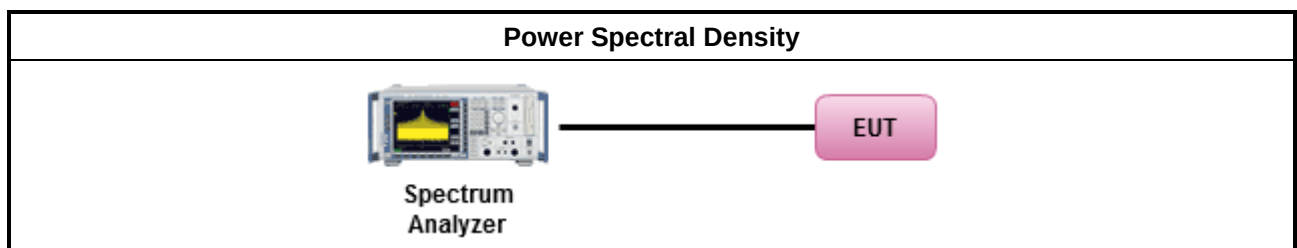
3.4.2 Measuring Instruments

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.	

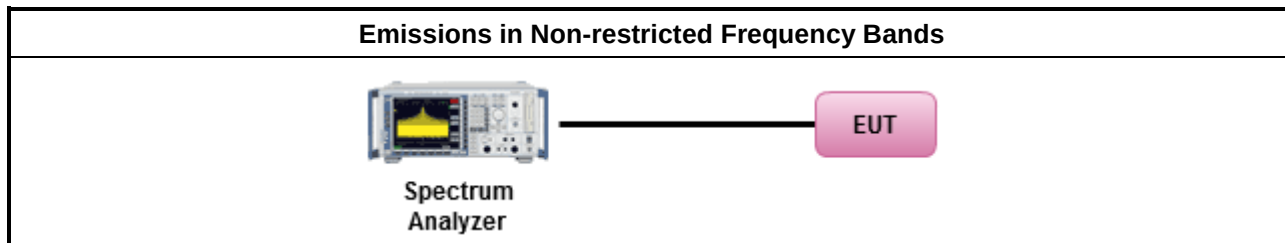
3.5.2 Measuring Instruments

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

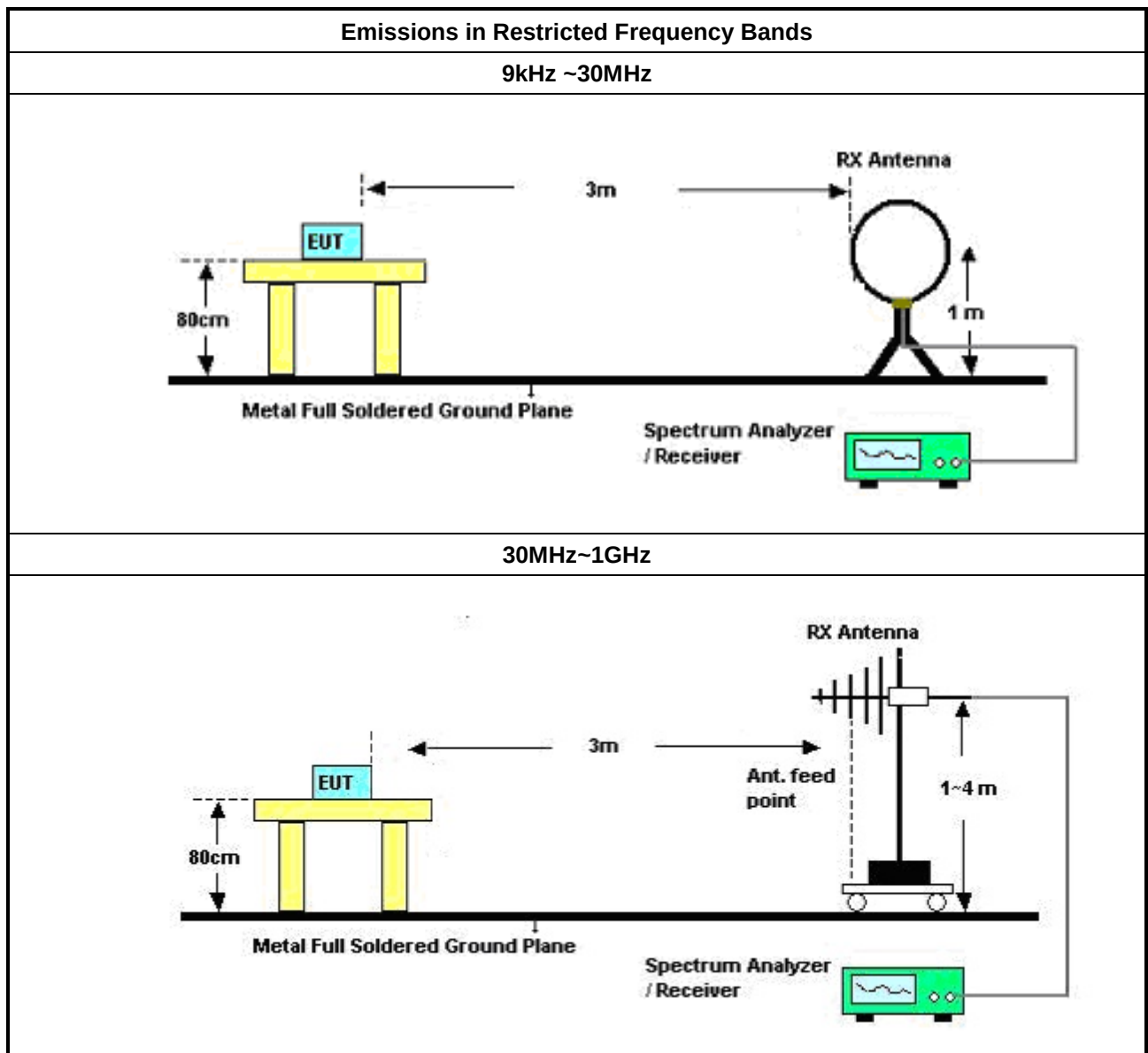
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted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

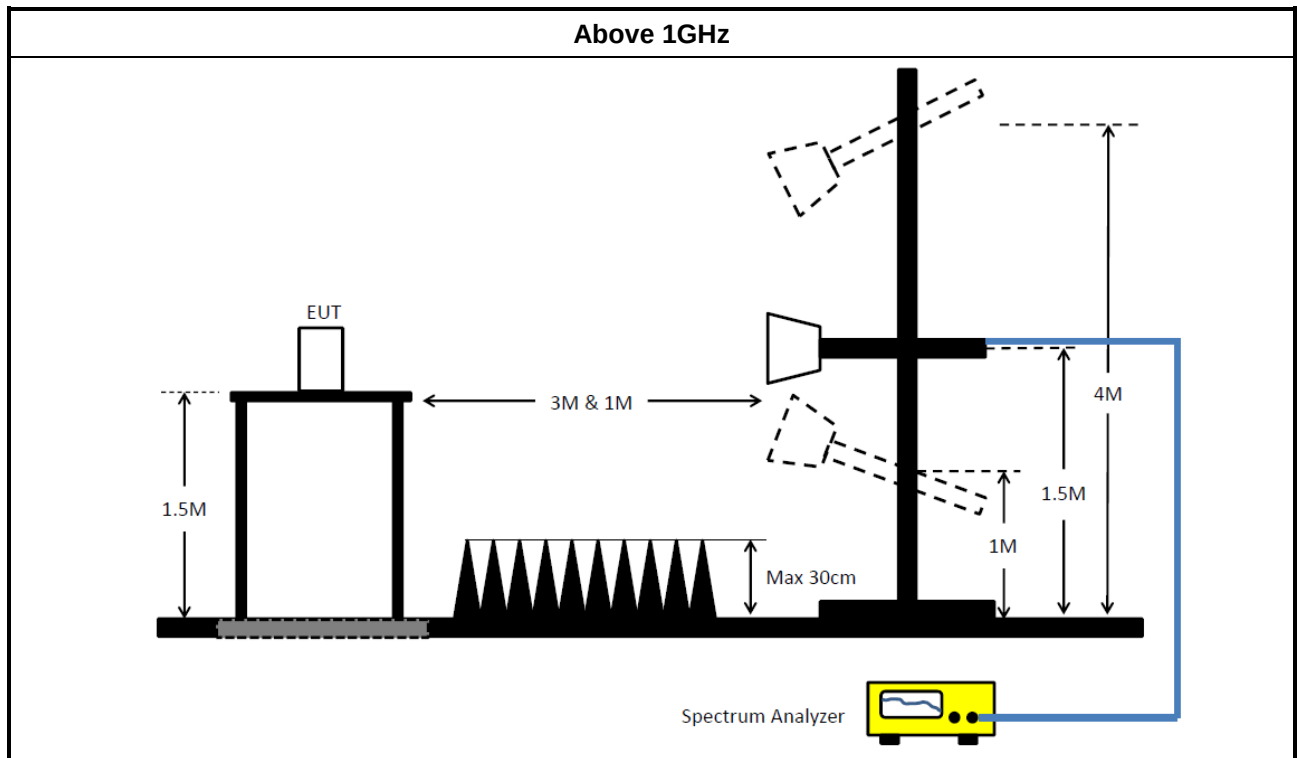
3.6.4 Measurement Results Calculation

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	101578	9kHz ~ 30MHz	11/Oct/2024	10/Oct/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 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

**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
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40GA	060604	18GHz ~ 40GHz	19/Apr/2024	18/Apr/2025
SENSE-15247-FS	Sporton	V5.11.23	NA	NA	NA	NA



Conducted Emissions at Powerline

Appendix A

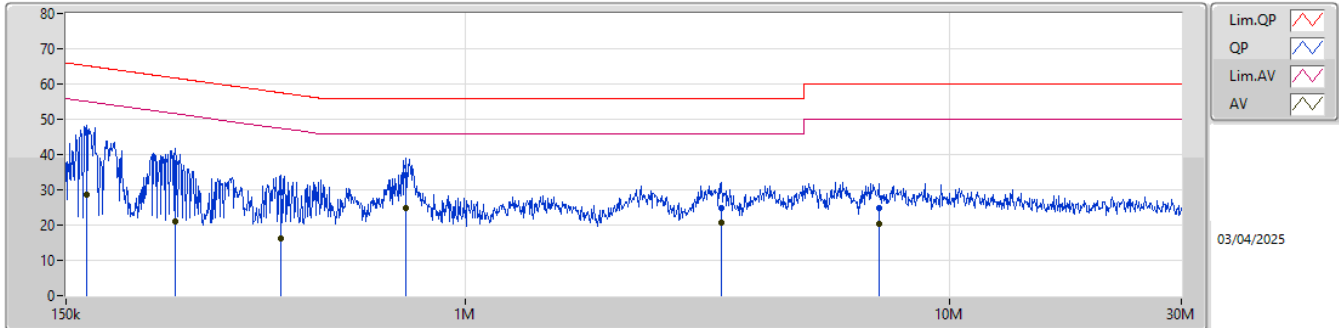
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	767.679k	30.04	46.00	-15.96	Neutral

Result

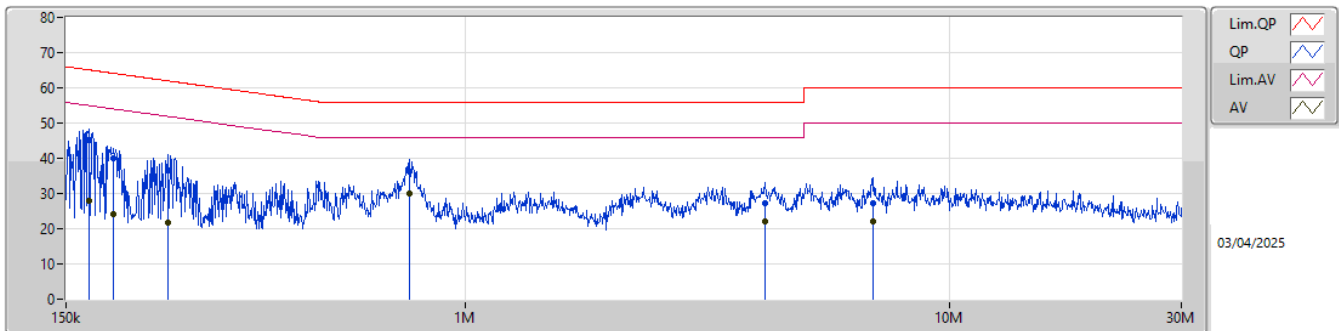
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	165.082k	46.04	65.20	-19.16	Line
Mode 1	Pass	AV	165.082k	28.51	55.20	-26.69	Line
Mode 1	Pass	QP	252.043k	37.44	61.70	-24.26	Line
Mode 1	Pass	AV	252.043k	21.11	51.70	-30.59	Line
Mode 1	Pass	QP	416.794k	29.16	57.51	-28.35	Line
Mode 1	Pass	AV	416.794k	16.14	47.51	-31.37	Line
Mode 1	Pass	QP	755.518k	34.09	56.00	-21.91	Line
Mode 1	Pass	AV	755.518k	24.95	46.00	-21.05	Line
Mode 1	Pass	QP	3.376M	24.69	56.00	-31.31	Line
Mode 1	Pass	AV	3.376M	20.54	46.00	-25.46	Line
Mode 1	Pass	QP	7.122M	24.78	60.00	-35.22	Line
Mode 1	Pass	AV	7.122M	20.48	50.00	-29.52	Line
Mode 1	Pass	QP	167.739k	45.25	65.06	-19.81	Neutral
Mode 1	Pass	AV	167.739k	28.09	55.06	-26.97	Neutral
Mode 1	Pass	QP	188.327k	40.03	64.11	-24.08	Neutral
Mode 1	Pass	AV	188.327k	24.21	54.11	-29.90	Neutral
Mode 1	Pass	QP	243.148k	36.66	61.98	-25.32	Neutral
Mode 1	Pass	AV	243.148k	21.69	51.98	-30.29	Neutral
Mode 1	Pass	QP	767.679k	36.25	56.00	-19.75	Neutral
Mode 1	Pass	AV	767.679k	30.04	46.00	-15.96	Neutral
Mode 1	Pass	QP	4.155M	27.09	56.00	-28.91	Neutral
Mode 1	Pass	AV	4.155M	22.10	46.00	-23.90	Neutral
Mode 1	Pass	QP	6.953M	27.15	60.00	-32.85	Neutral
Mode 1	Pass	AV	6.953M	22.15	50.00	-27.85	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	165.082k	46.04	65.20	-19.16	20.20	Line	-	25.84	10.22	0.01	9.97						
AV	165.082k	28.51	55.20	-26.69	20.20	Line	-	8.31	10.22	0.01	9.97						
QP	252.043k	37.44	61.70	-24.26	19.65	Line	-	17.79	9.66	0.02	9.97						
AV	252.043k	21.11	51.70	-30.59	19.65	Line	-	1.46	9.66	0.02	9.97						
QP	416.794k	29.16	57.51	-28.35	20.04	Line	-	9.12	10.03	0.03	9.98						
AV	416.794k	16.14	47.51	-31.37	20.04	Line	-	-3.90	10.03	0.03	9.98						
QP	755.518k	34.09	56.00	-21.91	19.94	Line	-	14.15	9.92	0.04	9.98						
AV	755.518k	24.95	46.00	-21.05	19.94	Line	-	5.01	9.92	0.04	9.98						
QP	3.376M	24.69	56.00	-31.31	19.72	Line	-	4.97	9.69	0.05	9.98						
AV	3.376M	20.54	46.00	-25.46	19.72	Line	-	0.82	9.69	0.05	9.98						
QP	7.122M	24.78	60.00	-35.22	19.83	Line	-	4.95	9.68	0.17	9.98						
AV	7.122M	20.48	50.00	-29.52	19.83	Line	-	0.65	9.68	0.17	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	167.739k	45.25	65.06	-19.81	20.25	Neutral	-	25.00	10.27	0.01	9.97						
AV	167.739k	28.09	55.06	-26.97	20.25	Neutral	-	7.84	10.27	0.01	9.97						
QP	188.327k	40.03	64.11	-24.08	20.08	Neutral	-	19.95	10.10	0.01	9.97						
AV	188.327k	24.21	54.11	-29.90	20.08	Neutral	-	4.13	10.10	0.01	9.97						
QP	243.148k	36.66	61.98	-25.32	19.70	Neutral	-	16.96	9.71	0.02	9.97						
AV	243.148k	21.69	51.98	-30.29	19.70	Neutral	-	1.99	9.71	0.02	9.97						
QP	767.679k	36.25	56.00	-19.75	19.95	Neutral	-	16.30	9.93	0.04	9.98						
AV	767.679k	30.04	46.00	-15.96	19.95	Neutral	-	10.09	9.93	0.04	9.98						
QP	4.155M	27.09	56.00	-28.91	19.72	Neutral	-	7.37	9.68	0.06	9.98						
AV	4.155M	22.10	46.00	-23.90	19.72	Neutral	-	2.38	9.68	0.06	9.98						
QP	6.953M	27.15	60.00	-32.85	19.82	Neutral	-	7.33	9.68	0.16	9.98						
AV	6.953M	22.15	50.00	-27.85	19.82	Neutral	-	2.33	9.68	0.16	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	9.05M	14.228M	14M2G1D	8.55M	14.168M
802.11g_Nss1,(6Mbps)_1TX	16.05M	16.624M	16M6D1D	15.925M	16.316M
802.11n HT20_Nss1,(MCS0)_1TX	16.925M	17.791M	17M8D1D	15.425M	17.541M
802.11n HT40_Nss1,(MCS0)_1TX	35.9M	36.032M	36M0D1D	35.25M	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	8.775M	14.183M
2437MHz	Pass	500k	8.55M	14.228M
2462MHz	Pass	500k	9.05M	14.168M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.05M	16.316M
2437MHz	Pass	500k	15.925M	16.536M
2462MHz	Pass	500k	15.975M	16.624M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	15.425M	17.541M
2437MHz	Pass	500k	16.925M	17.791M
2462MHz	Pass	500k	16.55M	17.616M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	35.25M	35.932M
2437MHz	Pass	500k	35.9M	36.032M
2452MHz	Pass	500k	35.25M	35.982M

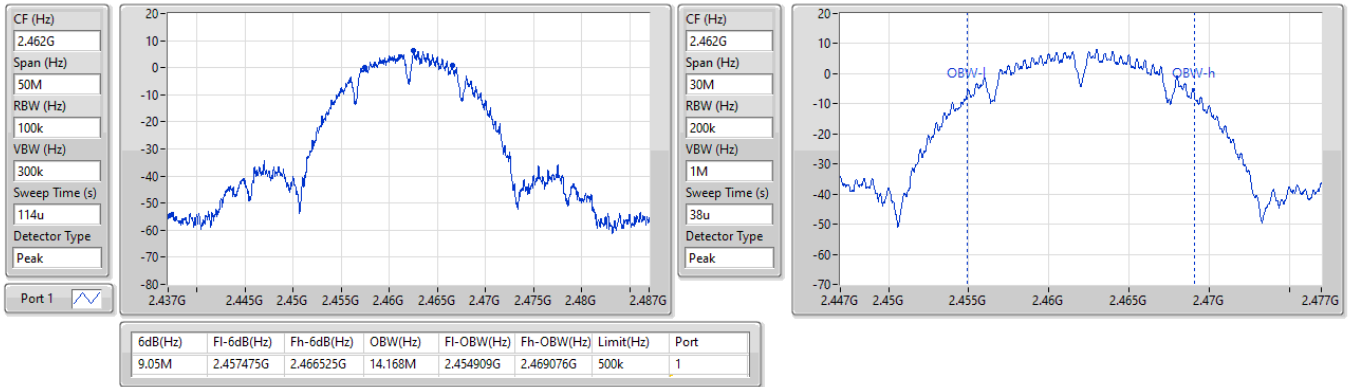
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

2462MHz

15/04/2025

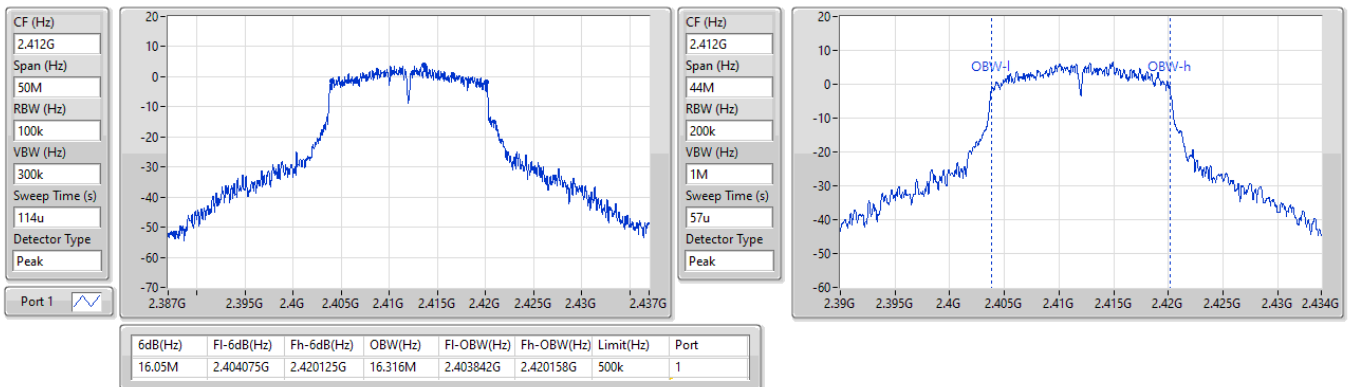


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

EBW

2412MHz

15/04/2025

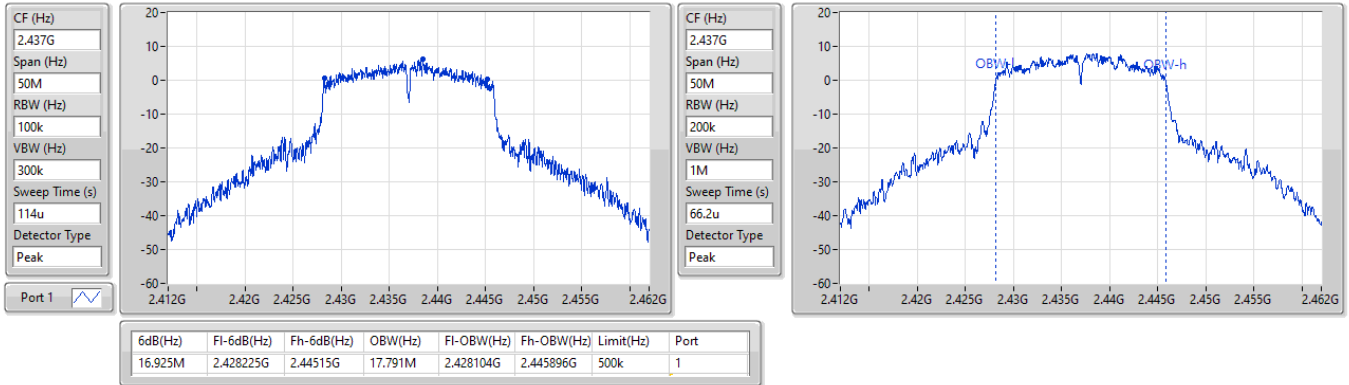


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

EBW

2437MHz

15/04/2025

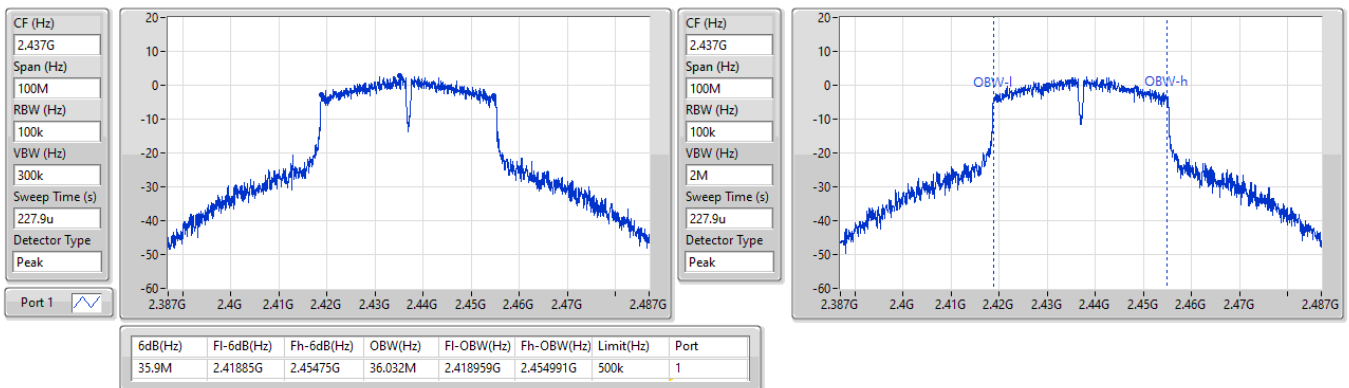


2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX

EBW

2437MHz

15/04/2025





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	17.73	0.05929
802.11g_Nss1,(6Mbps)_1TX	19.93	0.09840
802.11n HT20_Nss1,(MCS0)_1TX	19.80	0.09550
802.11n HT40_Nss1,(MCS0)_1TX	19.64	0.09204

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.37	17.71	17.71	30.00
2437MHz	Pass	1.37	17.73	17.73	30.00
2462MHz	Pass	1.37	17.55	17.55	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.37	17.88	17.88	30.00
2437MHz	Pass	1.37	19.93	19.93	30.00
2462MHz	Pass	1.37	19.68	19.68	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	1.37	17.39	17.39	30.00
2437MHz	Pass	1.37	19.80	19.80	30.00
2462MHz	Pass	1.37	19.58	19.58	30.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	1.37	18.11	18.11	30.00
2427MHz	Pass	1.37	18.92	18.92	30.00
2437MHz	Pass	1.37	19.64	19.64	30.00
2447MHz	Pass	1.37	18.51	18.51	30.00
2452MHz	Pass	1.37	18.65	18.65	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	-5.73
802.11g_Nss1,(6Mbps)_1TX	-5.43
802.11n HT20_Nss1,(MCS0)_1TX	-5.20
802.11n HT40_Nss1,(MCS0)_1TX	-7.91

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.37	-7.74	-7.74	8.00
2437MHz	Pass	1.37	-8.13	-8.13	8.00
2462MHz	Pass	1.37	-5.73	-5.73	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.37	-7.02	-7.02	8.00
2437MHz	Pass	1.37	-5.43	-5.43	8.00
2462MHz	Pass	1.37	-6.52	-6.52	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	1.37	-8.07	-8.07	8.00
2437MHz	Pass	1.37	-5.33	-5.33	8.00
2462MHz	Pass	1.37	-5.20	-5.20	8.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	1.37	-10.19	-10.19	8.00
2437MHz	Pass	1.37	-7.91	-7.91	8.00
2452MHz	Pass	1.37	-9.37	-9.37	8.00

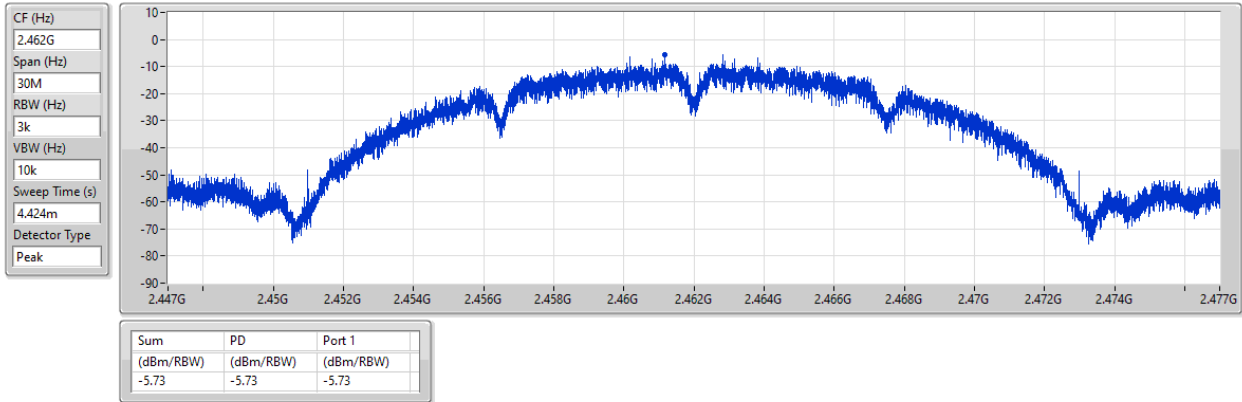
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

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

PSD

2462MHz

15/04/2025

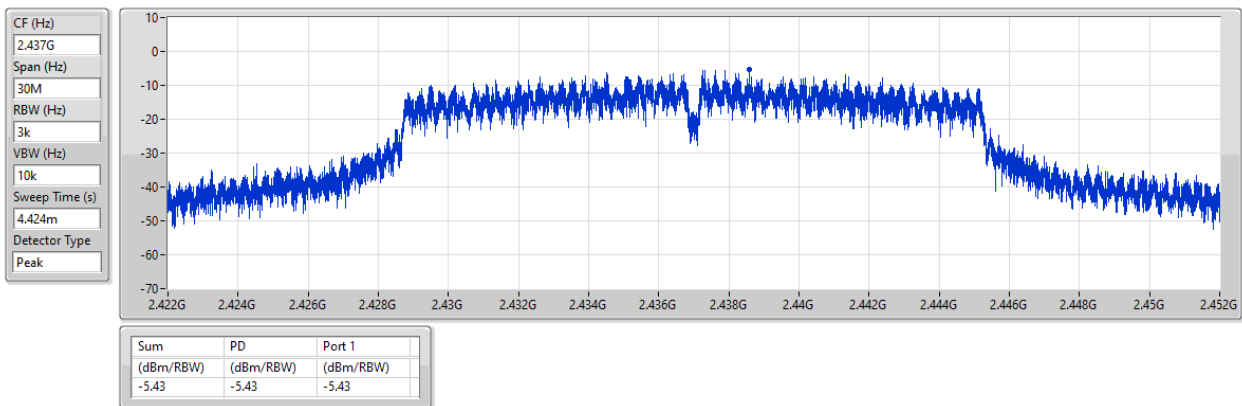


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

15/04/2025

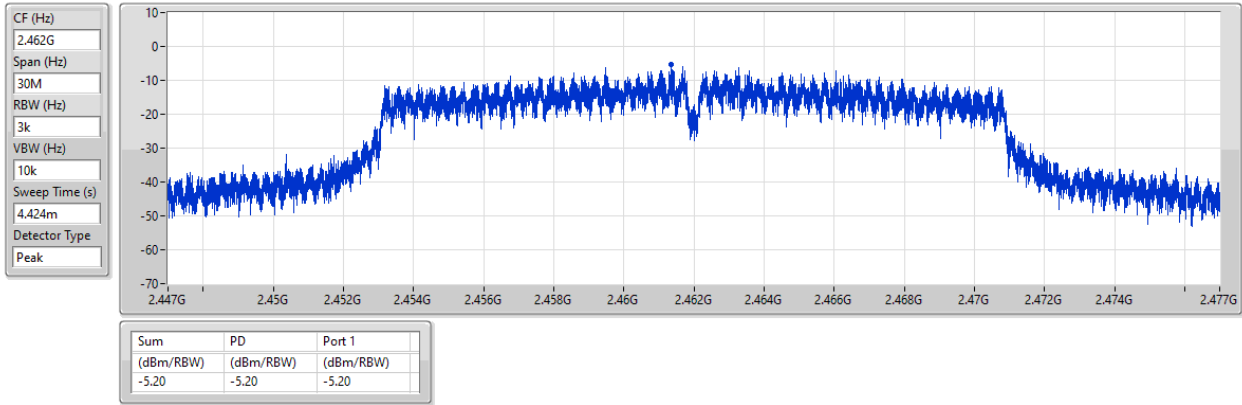


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

PSD

2462MHz

15/04/2025

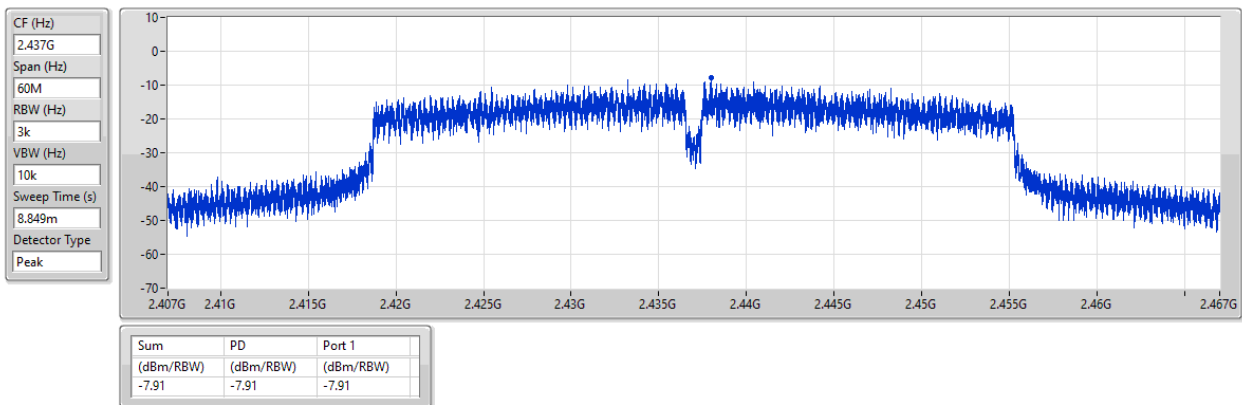


2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX

PSD

2437MHz

15/04/2025





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	2.43741G	8.46	-21.54	655.61M	-55.18	2.39704G	-33.64	2.4G	-37.53	2.51742G	-52.74	15.29577G	-41.54	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43607G	6.69	-23.31	2.30525G	-52.42	2.39888G	-23.36	2.4G	-25.00	2.50654G	-50.32	23.29741G	-41.05	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.43574G	6.06	-23.94	2.30292G	-53.23	2.39928G	-25.39	2.4G	-27.37	2.5155G	-50.61	23.2665G	-41.79	1
802.11n HT40_Nss1,(MCS0)_1TX	Pass	2.4354G	3.31	-26.69	2.30168G	-53.20	2.39776G	-26.71	2.4G	-27.59	2.50942G	-50.69	23.34531G	-41.31	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	2.43741G	8.46	-21.54	655.61M	-55.18	2.39704G	-33.64	2.4G	-37.53	2.51742G	-52.74	15.29577G	-41.54	1
2437MHz	Pass	2.43741G	8.46	-21.54	2.13283G	-54.45	2.39304G	-51.51	2.4G	-55.04	2.5007G	-52.51	15.29015G	-41.35	1
2462MHz	Pass	2.43741G	8.46	-21.54	1.6412G	-46.83	2.39976G	-52.50	2.4G	-54.52	2.51302G	-52.41	16.23978G	-41.30	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43607G	6.69	-23.31	2.30525G	-52.42	2.39888G	-23.36	2.4G	-25.00	2.50654G	-50.32	23.29741G	-41.05	1
2437MHz	Pass	2.43607G	6.69	-23.31	2.30408G	-53.02	2.39704G	-48.16	2.4G	-48.99	2.50102G	-50.83	16.26788G	-40.65	1
2462MHz	Pass	2.43607G	6.69	-23.31	1.6412G	-53.53	2.3948G	-50.57	2.4G	-51.01	2.50022G	-49.98	16.22574G	-40.43	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	6.06	-23.94	2.30292G	-53.23	2.39928G	-25.39	2.4G	-27.37	2.5155G	-50.61	23.2665G	-41.79	1
2437MHz	Pass	2.43574G	6.06	-23.94	2.30758G	-53.69	2.3996G	-47.89	2.4G	-50.80	2.50286G	-51.31	16.99275G	-40.98	1
2462MHz	Pass	2.43574G	6.06	-23.94	2.30525G	-53.23	2.39704G	-49.62	2.4G	-52.03	2.50206G	-48.81	17.59961G	-40.38	1
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4354G	3.31	-26.69	2.30168G	-53.20	2.39776G	-26.71	2.4G	-27.59	2.50942G	-50.69	23.34531G	-41.31	1
2437MHz	Pass	2.4354G	3.31	-26.69	31.15M	-52.52	2.39952G	-28.86	2.4G	-29.81	2.5003G	-47.06	16.25257G	-41.19	1
2452MHz	Pass	2.4354G	3.31	-26.69	2.30397G	-53.25	2.3992G	-47.48	2.4G	-48.36	2.50046G	-42.50	23.30324G	-41.50	1

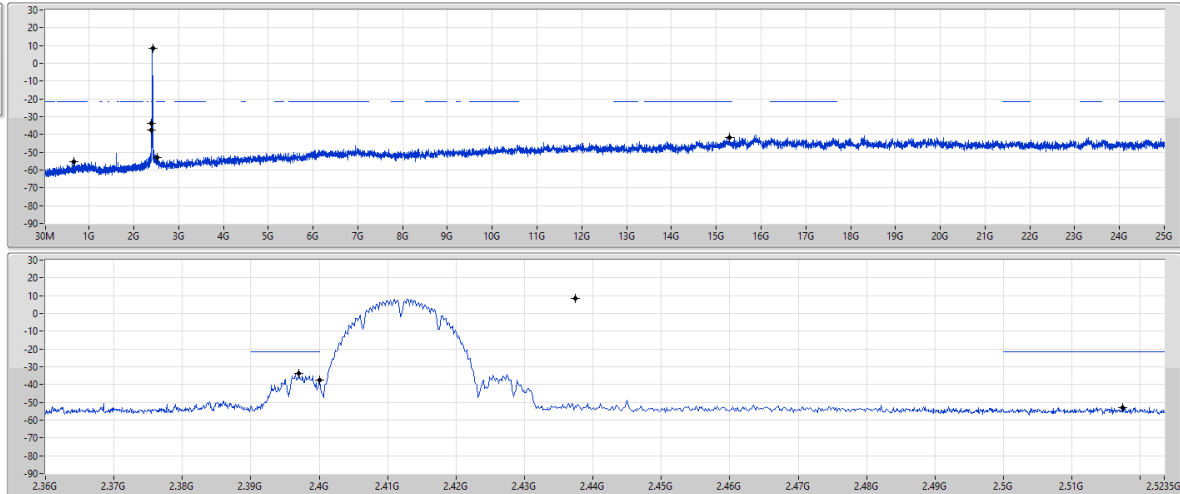
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

CSEndB

2412MHz

15/04/2025

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
2.43741G	8.46	-21.54	655.61M	-55.18	2.39704G	-33.64	2.4G	-37.53	2.51742G	-52.74	15.29577G	-41.54	1

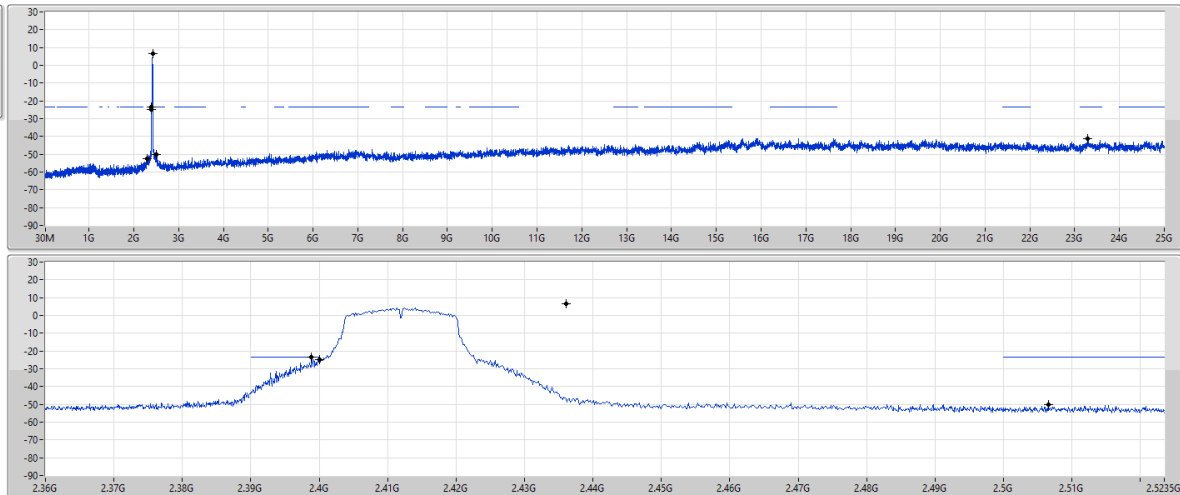
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

CSEndB

2412MHz

15/04/2025

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
2.43607G	6.69	-23.31	2.30525G	-52.42	2.39888G	-23.36	2.4G	-25.00	2.50654G	-50.32	23.29741G	-41.05	1

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

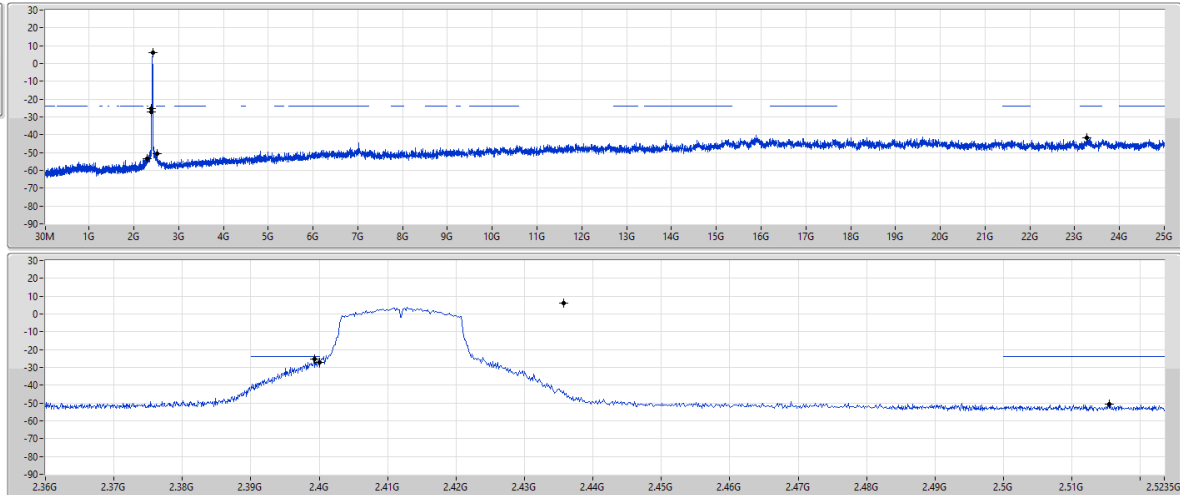
CSEndB

2412MHz

15/04/2025

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
2.43574G	6.06	-23.94	2.30292G	-53.23	2.39928G	-25.39	2.4G	-27.37	2.5155G	-50.61	23.2665G	-41.79	1

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

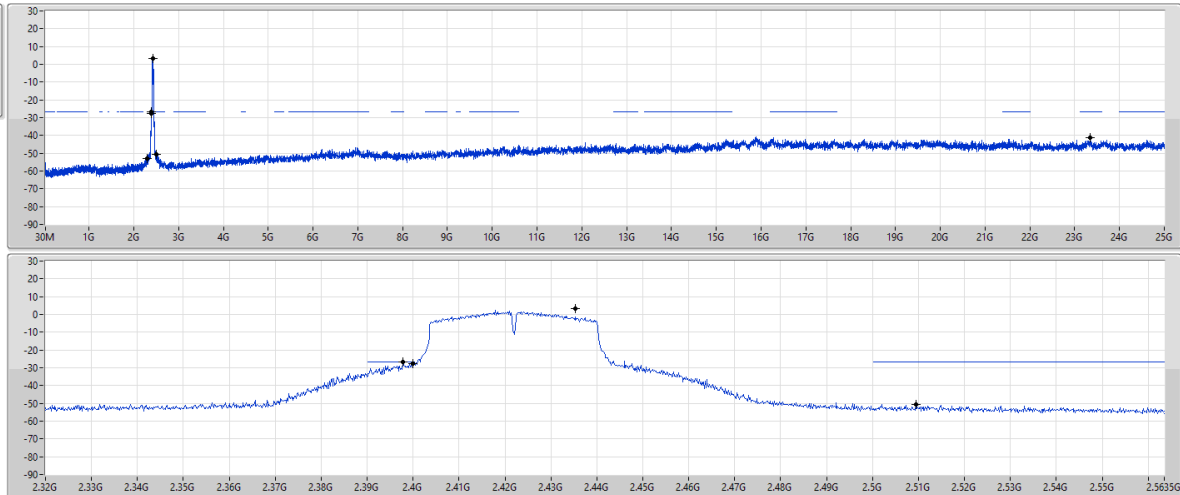
CSEndB

2422MHz

15/04/2025

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
2.4354G	3.31	-26.69	2.30168G	-53.20	2.39776G	-26.71	2.4G	-27.59	2.50942G	-50.69	23.34531G	-41.31	1



Summary

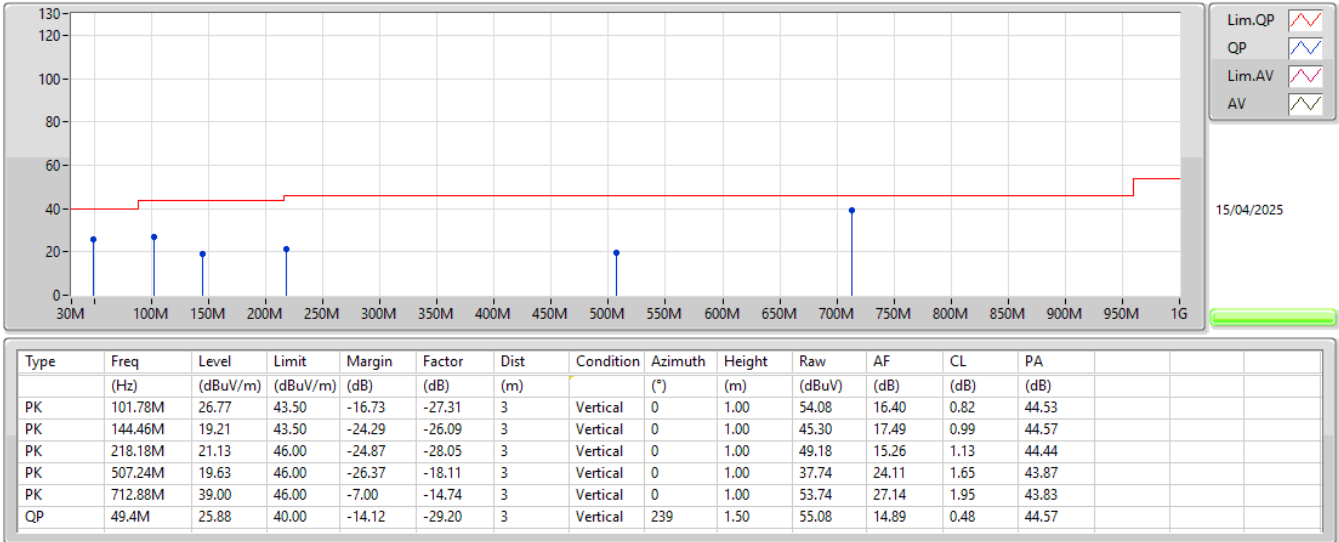
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	PK	712.88M	39.00	46.00	-7.00	3	Vertical	0	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11n HT20_Nss1.(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	101.78M	26.77	43.50	-16.73	3	Vertical	0	1.00
2437MHz	Pass	PK	144.46M	19.21	43.50	-24.29	3	Vertical	0	1.00
2437MHz	Pass	PK	218.18M	21.13	46.00	-24.87	3	Vertical	0	1.00
2437MHz	Pass	PK	507.24M	19.63	46.00	-26.37	3	Vertical	0	1.00
2437MHz	Pass	PK	712.88M	39.00	46.00	-7.00	3	Vertical	0	1.00
2437MHz	Pass	QP	49.4M	25.88	40.00	-14.12	3	Vertical	239	1.50
2437MHz	Pass	PK	51.34M	25.61	40.00	-14.39	3	Horizontal	360	1.00
2437MHz	Pass	PK	103.72M	24.03	43.50	-19.47	3	Horizontal	360	1.00
2437MHz	Pass	PK	144.46M	22.92	43.50	-20.58	3	Horizontal	360	1.00
2437MHz	Pass	PK	222.06M	24.85	46.00	-21.15	3	Horizontal	360	1.00
2437MHz	Pass	PK	513.06M	22.40	46.00	-23.60	3	Horizontal	360	1.00
2437MHz	Pass	PK	710.94M	31.39	46.00	-14.61	3	Horizontal	360	1.00

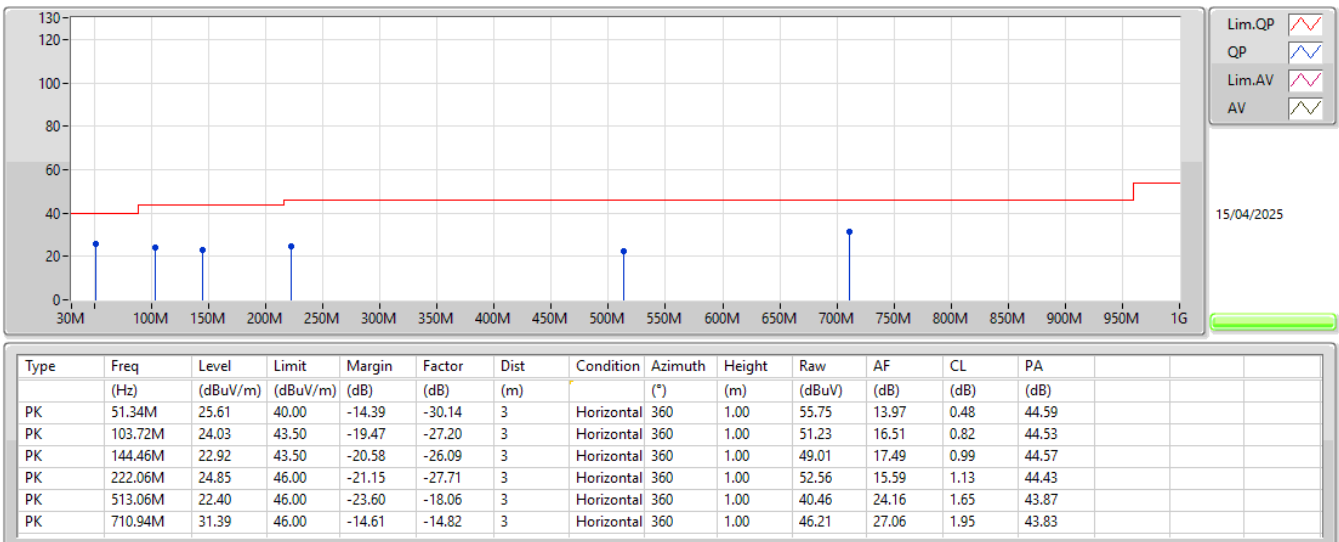
2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

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	4.824G	53.82	54.00	-0.18	3	Vertical	297	1.50
802.11g_Nss1,(6Mbps)_1TX	Pass	PK	2.4862G	72.78	74.00	-1.22	3	Vertical	10	2.15
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.4835G	52.70	54.00	-1.30	3	Vertical	13	1.22
802.11n HT40_Nss1,(MCS0)_1TX	Pass	AV	2.39G	53.58	54.00	-0.42	3	Horizontal	203	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	2.3856G	44.54	54.00	-9.46	3	Vertical	203	2.33
2412MHz	Pass	AV	2.4128G	95.53	Inf	-Inf	3	Vertical	203	2.33
2412MHz	Pass	PK	2.3744G	58.64	74.00	-15.36	3	Vertical	203	2.33
2412MHz	Pass	PK	2.4128G	98.15	Inf	-Inf	3	Vertical	203	2.33
2412MHz	Pass	AV	2.3866G	44.83	54.00	-9.17	3	Horizontal	173	1.68
2412MHz	Pass	AV	2.4112G	99.39	Inf	-Inf	3	Horizontal	173	1.68
2412MHz	Pass	PK	2.3754G	58.48	74.00	-15.52	3	Horizontal	173	1.68
2412MHz	Pass	PK	2.4112G	102.00	Inf	-Inf	3	Horizontal	173	1.68
2412MHz	Pass	AV	4.824G	53.82	54.00	-0.18	3	Vertical	297	1.50
2412MHz	Pass	PK	4.824G	55.55	74.00	-18.45	3	Vertical	297	1.50
2412MHz	Pass	AV	4.824G	52.68	54.00	-1.32	3	Horizontal	306	1.50
2412MHz	Pass	PK	4.82406G	55.07	74.00	-18.93	3	Horizontal	306	1.50
2417MHz	Pass	AV	2.3888G	45.95	54.00	-8.05	3	Vertical	25	1.50
2417MHz	Pass	AV	2.4162G	103.80	Inf	-Inf	3	Vertical	25	1.50
2417MHz	Pass	PK	2.3678G	59.09	74.00	-14.91	3	Vertical	25	1.50
2417MHz	Pass	PK	2.416G	106.39	Inf	-Inf	3	Vertical	25	1.50
2417MHz	Pass	AV	2.3888G	45.70	54.00	-8.30	3	Horizontal	297	2.46
2417MHz	Pass	AV	2.4178G	101.91	Inf	-Inf	3	Horizontal	297	2.46
2417MHz	Pass	PK	2.3878G	58.66	74.00	-15.34	3	Horizontal	297	2.46
2417MHz	Pass	PK	2.4178G	104.52	Inf	-Inf	3	Horizontal	297	2.46
2417MHz	Pass	AV	4.83392G	52.86	54.00	-1.14	3	Vertical	354	1.07
2417MHz	Pass	PK	4.834G	54.98	74.00	-19.02	3	Vertical	354	1.07
2417MHz	Pass	AV	4.83392G	47.91	54.00	-6.09	3	Horizontal	10	1.01
2417MHz	Pass	PK	4.83396G	51.24	74.00	-22.76	3	Horizontal	10	1.01
2437MHz	Pass	AV	2.3842G	44.72	54.00	-9.28	3	Vertical	282	2.38
2437MHz	Pass	AV	2.4378G	100.07	Inf	-Inf	3	Vertical	282	2.38
2437MHz	Pass	AV	2.4874G	45.59	54.00	-8.41	3	Vertical	282	2.38
2437MHz	Pass	PK	2.343G	58.99	74.00	-15.01	3	Vertical	282	2.38
2437MHz	Pass	PK	2.4378G	102.69	Inf	-Inf	3	Vertical	282	2.38
2437MHz	Pass	PK	2.4966G	59.41	74.00	-14.59	3	Vertical	282	2.38
2437MHz	Pass	AV	2.387G	44.61	54.00	-9.39	3	Horizontal	222	2.87
2437MHz	Pass	AV	2.4378G	101.44	Inf	-Inf	3	Horizontal	222	2.87
2437MHz	Pass	AV	2.4874G	45.64	54.00	-8.36	3	Horizontal	222	2.87
2437MHz	Pass	PK	2.3858G	59.14	74.00	-14.86	3	Horizontal	222	2.87
2437MHz	Pass	PK	2.4378G	104.04	Inf	-Inf	3	Horizontal	222	2.87
2437MHz	Pass	PK	2.4898G	59.01	74.00	-14.99	3	Horizontal	222	2.87
2437MHz	Pass	AV	4.87396G	52.40	54.00	-1.60	3	Vertical	232	1.50
2437MHz	Pass	AV	7.31022G	46.09	54.00	-7.91	3	Vertical	343	1.59
2437MHz	Pass	PK	4.87392G	54.48	74.00	-19.52	3	Vertical	232	1.50
2437MHz	Pass	PK	7.31118G	53.52	74.00	-20.48	3	Vertical	343	1.59
2437MHz	Pass	AV	4.874G	50.10	54.00	-3.90	3	Horizontal	143	1.00
2437MHz	Pass	AV	7.31022G	46.63	54.00	-7.37	3	Horizontal	52	2.24
2437MHz	Pass	PK	4.87388G	52.55	74.00	-21.45	3	Horizontal	143	1.00
2437MHz	Pass	PK	7.31016G	53.88	74.00	-20.12	3	Horizontal	52	2.24
2457MHz	Pass	AV	2.4578G	105.83	Inf	-Inf	3	Vertical	13	1.50
2457MHz	Pass	AV	2.4835G	46.59	54.00	-7.41	3	Vertical	13	1.50
2457MHz	Pass	PK	2.4578G	108.48	Inf	-Inf	3	Vertical	13	1.50
2457MHz	Pass	PK	2.4906G	60.43	74.00	-13.57	3	Vertical	13	1.50
2457MHz	Pass	AV	2.4562G	101.73	Inf	-Inf	3	Horizontal	110	1.50
2457MHz	Pass	AV	2.4835G	45.79	54.00	-8.21	3	Horizontal	110	1.50
2457MHz	Pass	PK	2.456G	104.34	Inf	-Inf	3	Horizontal	110	1.50
2457MHz	Pass	PK	2.4936G	60.61	74.00	-13.39	3	Horizontal	110	1.50
2457MHz	Pass	AV	4.91392G	51.67	54.00	-2.33	3	Vertical	2	1.00
2457MHz	Pass	AV	7.37016G	49.24	54.00	-4.76	3	Vertical	205	1.54
2457MHz	Pass	PK	4.91392G	54.00	74.00	-20.00	3	Vertical	2	1.00
2457MHz	Pass	PK	7.36992G	55.01	74.00	-18.99	3	Vertical	205	1.54
2457MHz	Pass	AV	4.91392G	50.27	54.00	-3.73	3	Horizontal	12	1.00
2457MHz	Pass	AV	7.37016G	52.64	54.00	-1.36	3	Horizontal	69	1.98
2457MHz	Pass	PK	4.914G	53.31	74.00	-20.69	3	Horizontal	12	1.00
2457MHz	Pass	PK	7.37188G	57.56	74.00	-16.44	3	Horizontal	69	1.98

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	AV	2.4628G	101.69	Inf	-Inf	3	Vertical	346	3.00
2462MHz	Pass	AV	2.4878G	46.11	54.00	-7.89	3	Vertical	346	3.00
2462MHz	Pass	PK	2.4628G	104.29	Inf	-Inf	3	Vertical	346	3.00
2462MHz	Pass	PK	2.4946G	59.28	74.00	-14.72	3	Vertical	346	3.00
2462MHz	Pass	AV	2.4612G	99.51	Inf	-Inf	3	Horizontal	171	1.67
2462MHz	Pass	AV	2.4882G	45.89	54.00	-8.11	3	Horizontal	171	1.67
2462MHz	Pass	PK	2.4612G	102.12	Inf	-Inf	3	Horizontal	171	1.67
2462MHz	Pass	PK	2.4968G	59.25	74.00	-14.75	3	Horizontal	171	1.67
2462MHz	Pass	AV	4.924G	53.24	54.00	-0.76	3	Vertical	307	1.20
2462MHz	Pass	AV	7.38522G	47.76	54.00	-6.24	3	Vertical	160	1.50
2462MHz	Pass	PK	4.924G	55.23	74.00	-18.77	3	Vertical	307	1.20
2462MHz	Pass	PK	7.38636G	53.95	74.00	-20.05	3	Vertical	160	1.50
2462MHz	Pass	AV	4.924G	51.24	54.00	-2.76	3	Horizontal	329	1.06
2462MHz	Pass	AV	7.38672G	52.22	54.00	-1.78	3	Horizontal	51	2.06
2462MHz	Pass	PK	4.92394G	53.85	74.00	-20.35	3	Horizontal	329	1.06
2462MHz	Pass	PK	7.38672G	56.82	74.00	-17.18	3	Horizontal	51	2.06
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	46.45	54.00	-7.55	3	Vertical	200	2.31
2412MHz	Pass	AV	2.4126G	93.91	Inf	-Inf	3	Vertical	200	2.31
2412MHz	Pass	PK	2.3894G	61.62	74.00	-12.38	3	Vertical	200	2.31
2412MHz	Pass	PK	2.4132G	105.25	Inf	-Inf	3	Vertical	200	2.31
2412MHz	Pass	AV	2.39G	48.90	54.00	-5.10	3	Horizontal	174	1.70
2412MHz	Pass	AV	2.4112G	97.53	Inf	-Inf	3	Horizontal	174	1.70
2412MHz	Pass	PK	2.39G	66.90	74.00	-7.10	3	Horizontal	174	1.70
2412MHz	Pass	PK	2.4132G	108.80	Inf	-Inf	3	Horizontal	174	1.70
2412MHz	Pass	AV	4.82464G	40.38	54.00	-13.62	3	Vertical	222	1.50
2412MHz	Pass	PK	4.8238G	55.69	74.00	-18.31	3	Vertical	222	1.50
2412MHz	Pass	AV	4.8238G	40.20	54.00	-13.80	3	Horizontal	152	1.00
2412MHz	Pass	PK	4.82488G	55.21	74.00	-18.79	3	Horizontal	152	1.00
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	2.371G	44.70	54.00	-9.30	3	Vertical	122	1.30
2437MHz	Pass	AV	2.4382G	95.62	Inf	-Inf	3	Vertical	122	1.30
2437MHz	Pass	AV	2.4854G	45.74	54.00	-8.26	3	Vertical	122	1.30
2437MHz	Pass	PK	2.381G	58.27	74.00	-15.73	3	Vertical	122	1.30
2437MHz	Pass	PK	2.4394G	105.80	Inf	-Inf	3	Vertical	122	1.30
2437MHz	Pass	PK	2.4986G	59.54	74.00	-14.46	3	Vertical	122	1.30
2437MHz	Pass	AV	2.3898G	44.91	54.00	-9.09	3	Horizontal	173	1.74
2437MHz	Pass	AV	2.4378G	97.96	Inf	-Inf	3	Horizontal	173	1.74
2437MHz	Pass	AV	2.489G	45.78	54.00	-8.22	3	Horizontal	173	1.74
2437MHz	Pass	PK	2.3814G	58.73	74.00	-15.27	3	Horizontal	173	1.74
2437MHz	Pass	PK	2.4382G	107.76	Inf	-Inf	3	Horizontal	173	1.74
2437MHz	Pass	PK	2.4854G	59.02	74.00	-14.98	3	Horizontal	173	1.74
2437MHz	Pass	AV	4.8748G	45.25	54.00	-8.75	3	Vertical	289	1.00
2437MHz	Pass	AV	7.31152G	44.22	54.00	-9.78	3	Vertical	193	1.50
2437MHz	Pass	PK	4.87368G	59.80	74.00	-14.20	3	Vertical	289	1.00
2437MHz	Pass	PK	7.31276G	60.29	74.00	-13.71	3	Vertical	193	1.50
2437MHz	Pass	AV	4.874G	39.35	54.00	-14.65	3	Horizontal	249	1.00
2437MHz	Pass	AV	7.31152G	47.24	54.00	-6.76	3	Horizontal	224	2.09
2437MHz	Pass	PK	4.87476G	54.06	74.00	-19.94	3	Horizontal	249	1.00
2437MHz	Pass	PK	7.30916G	63.37	74.00	-10.63	3	Horizontal	224	2.09
2457MHz	Pass	AV	2.4576G	102.85	Inf	-Inf	3	Vertical	10	2.15
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

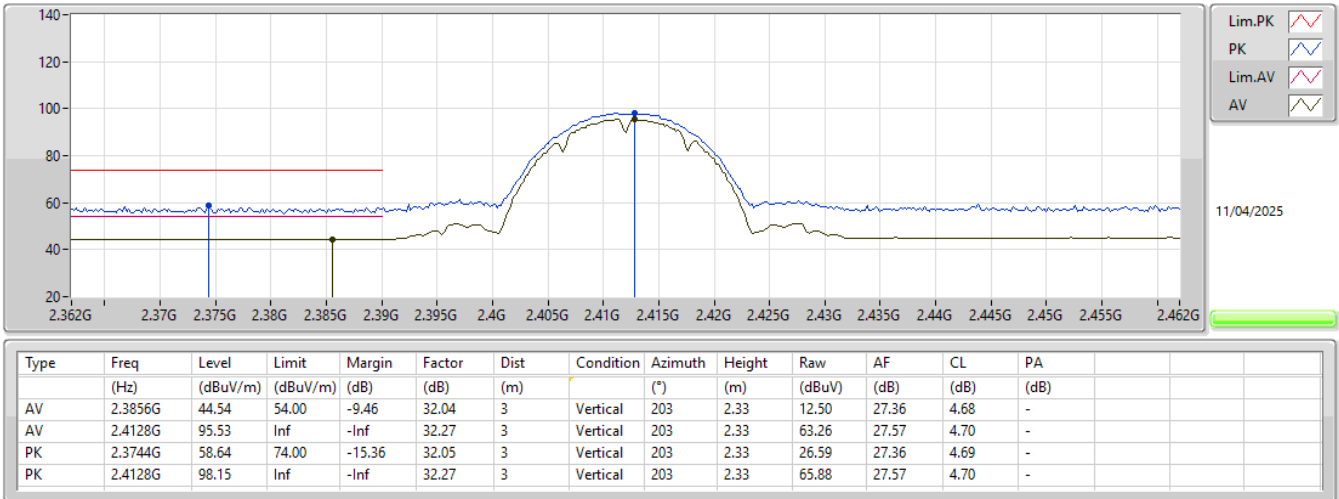
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2457MHz	Pass	AV	2.4835G	47.61	54.00	-6.39	3	Horizontal	163	2.60
2457MHz	Pass	PK	2.4582G	109.87	Inf	-Inf	3	Horizontal	163	2.60
2457MHz	Pass	PK	2.4844G	67.08	74.00	-6.92	3	Horizontal	163	2.60
2462MHz	Pass	AV	2.463G	96.27	Inf	-Inf	3	Vertical	153	1.28
2462MHz	Pass	AV	2.4835G	50.59	54.00	-3.41	3	Vertical	153	1.28
2462MHz	Pass	PK	2.4632G	107.20	Inf	-Inf	3	Vertical	153	1.28
2462MHz	Pass	PK	2.484G	69.34	74.00	-4.66	3	Vertical	153	1.28
2462MHz	Pass	AV	2.4626G	97.17	Inf	-Inf	3	Horizontal	207	1.10
2462MHz	Pass	AV	2.4835G	50.45	54.00	-3.55	3	Horizontal	207	1.10
2462MHz	Pass	PK	2.463G	108.48	Inf	-Inf	3	Horizontal	207	1.10
2462MHz	Pass	PK	2.484G	68.14	74.00	-5.86	3	Horizontal	207	1.10
2462MHz	Pass	AV	4.92332G	38.39	54.00	-15.61	3	Vertical	239	1.50
2462MHz	Pass	AV	7.38644G	44.20	54.00	-9.80	3	Vertical	28	1.44
2462MHz	Pass	PK	4.92228G	53.78	74.00	-20.22	3	Vertical	239	1.50
2462MHz	Pass	PK	7.38944G	59.69	74.00	-14.31	3	Vertical	28	1.44
2462MHz	Pass	AV	4.92324G	41.34	54.00	-12.66	3	Horizontal	259	2.19
2462MHz	Pass	AV	7.38652G	44.54	54.00	-9.46	3	Horizontal	205	1.50
2462MHz	Pass	PK	4.92484G	56.53	74.00	-17.47	3	Horizontal	259	2.19
2462MHz	Pass	PK	7.38416G	60.31	74.00	-13.69	3	Horizontal	205	1.50
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	48.39	54.00	-5.61	3	Vertical	121	1.17
2412MHz	Pass	AV	2.4114G	95.47	Inf	-Inf	3	Vertical	121	1.17
2412MHz	Pass	PK	2.39G	67.66	74.00	-6.34	3	Vertical	121	1.17
2412MHz	Pass	PK	2.4144G	105.99	Inf	-Inf	3	Vertical	121	1.17
2412MHz	Pass	AV	2.39G	50.56	54.00	-3.44	3	Horizontal	204	1.50
2412MHz	Pass	AV	2.4128G	97.61	Inf	-Inf	3	Horizontal	204	1.50
2412MHz	Pass	PK	2.3894G	69.93	74.00	-4.07	3	Horizontal	204	1.50
2412MHz	Pass	PK	2.4104G	107.61	Inf	-Inf	3	Horizontal	204	1.50
2412MHz	Pass	AV	4.82472G	40.85	54.00	-13.15	3	Vertical	218	1.14
2412MHz	Pass	PK	4.82624G	55.95	74.00	-18.05	3	Vertical	218	1.14
2412MHz	Pass	AV	4.82448G	40.31	54.00	-13.69	3	Horizontal	152	1.00
2412MHz	Pass	PK	4.82256G	55.20	74.00	-18.80	3	Horizontal	152	1.00
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	2.3842G	44.60	54.00	-9.40	3	Vertical	122	1.34
2437MHz	Pass	AV	2.4382G	95.18	Inf	-Inf	3	Vertical	122	1.34
2437MHz	Pass	AV	2.4962G	45.71	54.00	-8.29	3	Vertical	122	1.34
2437MHz	Pass	PK	2.373G	58.58	74.00	-15.42	3	Vertical	122	1.34
2437MHz	Pass	PK	2.4418G	106.11	Inf	-Inf	3	Vertical	122	1.34
2437MHz	Pass	PK	2.4894G	59.52	74.00	-14.48	3	Vertical	122	1.34
2437MHz	Pass	AV	2.3882G	44.87	54.00	-9.13	3	Horizontal	205	1.42
2437MHz	Pass	AV	2.4362G	97.47	Inf	-Inf	3	Horizontal	205	1.42
2437MHz	Pass	AV	2.4898G	45.79	54.00	-8.21	3	Horizontal	205	1.42
2437MHz	Pass	PK	2.3594G	58.39	74.00	-15.61	3	Horizontal	205	1.42
2437MHz	Pass	PK	2.439G	108.60	Inf	-Inf	3	Horizontal	205	1.42
2437MHz	Pass	PK	2.4898G	58.92	74.00	-15.08	3	Horizontal	205	1.42
2437MHz	Pass	AV	4.87408G	44.53	54.00	-9.47	3	Vertical	290	1.00
2437MHz	Pass	AV	7.31116G	44.30	54.00	-9.70	3	Vertical	194	1.50
2437MHz	Pass	PK	4.87256G	59.58	74.00	-14.42	3	Vertical	290	1.00
2437MHz	Pass	PK	7.31192G	60.93	74.00	-13.07	3	Vertical	194	1.50
2437MHz	Pass	AV	4.87396G	38.51	54.00	-15.49	3	Horizontal	249	1.01
2437MHz	Pass	AV	7.31116G	46.93	54.00	-7.07	3	Horizontal	224	2.15
2437MHz	Pass	PK	4.87824G	53.69	74.00	-20.31	3	Horizontal	249	1.01
2437MHz	Pass	PK	7.30964G	63.01	74.00	-10.99	3	Horizontal	224	2.15
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

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
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	2.4626G	95.73	Inf	-Inf	3	Vertical	152	1.45
2462MHz	Pass	AV	2.4835G	51.29	54.00	-2.71	3	Vertical	152	1.45
2462MHz	Pass	PK	2.4638G	105.66	Inf	-Inf	3	Vertical	152	1.45
2462MHz	Pass	PK	2.4844G	70.07	74.00	-3.93	3	Vertical	152	1.45
2462MHz	Pass	AV	2.4626G	97.91	Inf	-Inf	3	Horizontal	204	1.14
2462MHz	Pass	AV	2.4835G	52.39	54.00	-1.61	3	Horizontal	204	1.14
2462MHz	Pass	PK	2.4612G	108.68	Inf	-Inf	3	Horizontal	204	1.14
2462MHz	Pass	PK	2.4838G	72.23	74.00	-1.77	3	Horizontal	204	1.14
2462MHz	Pass	AV	4.92356G	38.88	54.00	-15.12	3	Vertical	227	1.38
2462MHz	Pass	AV	7.38652G	43.59	54.00	-10.41	3	Vertical	28	1.42
2462MHz	Pass	PK	4.91968G	53.84	74.00	-20.16	3	Vertical	227	1.38
2462MHz	Pass	PK	7.38772G	59.02	74.00	-14.98	3	Vertical	28	1.42
2462MHz	Pass	AV	4.92384G	40.47	54.00	-13.53	3	Horizontal	252	2.20
2462MHz	Pass	AV	7.38628G	43.47	54.00	-10.53	3	Horizontal	206	1.50
2462MHz	Pass	PK	4.92524G	55.45	74.00	-18.55	3	Horizontal	252	2.20
2462MHz	Pass	PK	7.38648G	59.95	74.00	-14.05	3	Horizontal	206	1.50
802.11n HT40_Nss1(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	50.42	54.00	-3.58	3	Vertical	110	1.50
2422MHz	Pass	AV	2.42G	89.58	Inf	-Inf	3	Vertical	110	1.50
2422MHz	Pass	AV	2.4835G	45.78	54.00	-8.22	3	Vertical	110	1.50
2422MHz	Pass	PK	2.3884G	66.92	74.00	-7.08	3	Vertical	110	1.50
2422MHz	Pass	PK	2.4188G	100.20	Inf	-Inf	3	Vertical	110	1.50
2422MHz	Pass	PK	2.4872G	59.97	74.00	-14.03	3	Vertical	110	1.50
2422MHz	Pass	AV	2.39G	53.58	54.00	-0.42	3	Horizontal	203	1.00
2422MHz	Pass	AV	2.4204G	93.47	Inf	-Inf	3	Horizontal	203	1.00
2422MHz	Pass	AV	2.484G	45.94	54.00	-8.06	3	Horizontal	203	1.00
2422MHz	Pass	PK	2.39G	72.62	74.00	-1.38	3	Horizontal	203	1.00
2422MHz	Pass	PK	2.4196G	103.92	Inf	-Inf	3	Horizontal	203	1.00
2422MHz	Pass	PK	2.4876G	59.57	74.00	-14.43	3	Horizontal	203	1.00
2422MHz	Pass	AV	4.84404G	39.97	54.00	-14.03	3	Vertical	289	1.00
2422MHz	Pass	AV	7.27072G	40.23	54.00	-13.77	3	Vertical	228	1.50
2422MHz	Pass	PK	4.84148G	55.08	74.00	-18.92	3	Vertical	289	1.00
2422MHz	Pass	PK	7.25848G	55.40	74.00	-18.60	3	Vertical	228	1.50
2422MHz	Pass	AV	4.8442G	35.21	54.00	-18.79	3	Horizontal	152	1.10
2422MHz	Pass	AV	7.26736G	42.81	54.00	-11.19	3	Horizontal	224	1.98
2422MHz	Pass	PK	4.84028G	49.91	74.00	-24.09	3	Horizontal	152	1.10
2422MHz	Pass	PK	7.26012G	58.31	74.00	-15.69	3	Horizontal	224	1.98
2427MHz	Pass	AV	2.3898G	50.16	54.00	-3.84	3	Vertical	295	1.50
2427MHz	Pass	AV	2.4282G	92.06	Inf	-Inf	3	Vertical	295	1.50
2427MHz	Pass	AV	2.485G	45.98	54.00	-8.02	3	Vertical	295	1.50
2427MHz	Pass	PK	2.3894G	67.90	74.00	-6.10	3	Vertical	295	1.50
2427MHz	Pass	PK	2.425G	102.61	Inf	-Inf	3	Vertical	295	1.50
2427MHz	Pass	PK	2.4878G	60.30	74.00	-13.70	3	Vertical	295	1.50
2427MHz	Pass	AV	2.3898G	51.85	54.00	-2.15	3	Horizontal	221	2.91
2427MHz	Pass	AV	2.429G	95.06	Inf	-Inf	3	Horizontal	221	2.91
2427MHz	Pass	AV	2.4846G	46.46	54.00	-7.54	3	Horizontal	221	2.91
2427MHz	Pass	PK	2.3894G	68.47	74.00	-5.53	3	Horizontal	221	2.91
2427MHz	Pass	PK	2.4302G	105.51	Inf	-Inf	3	Horizontal	221	2.91
2427MHz	Pass	PK	2.4842G	59.97	74.00	-14.03	3	Horizontal	221	2.91
2437MHz	Pass	AV	2.3898G	46.32	54.00	-7.68	3	Vertical	122	1.30
2437MHz	Pass	AV	2.4382G	92.24	Inf	-Inf	3	Vertical	122	1.30
2437MHz	Pass	AV	2.4835G	49.15	54.00	-4.85	3	Vertical	122	1.30
2437MHz	Pass	PK	2.3898G	61.28	74.00	-12.72	3	Vertical	122	1.30
2437MHz	Pass	PK	2.439G	103.26	Inf	-Inf	3	Vertical	122	1.30
2437MHz	Pass	PK	2.4842G	63.83	74.00	-10.17	3	Vertical	122	1.30
2437MHz	Pass	AV	2.3898G	47.74	54.00	-6.26	3	Horizontal	206	1.41

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2437MHz	Pass	AV	2.435G	94.22	Inf	-Inf	3	Horizontal	206	1.41
2437MHz	Pass	AV	2.4835G	49.00	54.00	-5.00	3	Horizontal	206	1.41
2437MHz	Pass	PK	2.3898G	62.05	74.00	-11.95	3	Horizontal	206	1.41
2437MHz	Pass	PK	2.4338G	105.24	Inf	-Inf	3	Horizontal	206	1.41
2437MHz	Pass	PK	2.4866G	64.54	74.00	-9.46	3	Horizontal	206	1.41
2437MHz	Pass	AV	4.87408G	41.48	54.00	-12.52	3	Vertical	290	1.01
2437MHz	Pass	AV	7.31228G	41.28	54.00	-12.72	3	Vertical	193	1.50
2437MHz	Pass	PK	4.87592G	56.15	74.00	-17.85	3	Vertical	290	1.01
2437MHz	Pass	PK	7.3184G	56.42	74.00	-17.58	3	Vertical	193	1.50
2437MHz	Pass	AV	4.87416G	36.11	54.00	-17.89	3	Horizontal	249	1.00
2437MHz	Pass	AV	7.30984G	44.36	54.00	-9.64	3	Horizontal	224	2.13
2437MHz	Pass	PK	4.87608G	51.11	74.00	-22.89	3	Horizontal	249	1.00
2437MHz	Pass	PK	7.30544G	60.24	74.00	-13.76	3	Horizontal	224	2.13
2447MHz	Pass	AV	2.389G	45.09	54.00	-8.91	3	Vertical	290	2.30
2447MHz	Pass	AV	2.4486G	93.23	Inf	-Inf	3	Vertical	290	2.30
2447MHz	Pass	AV	2.4835G	50.89	54.00	-3.11	3	Vertical	290	2.30
2447MHz	Pass	PK	2.3706G	59.37	74.00	-14.63	3	Vertical	290	2.30
2447MHz	Pass	PK	2.4494G	104.01	Inf	-Inf	3	Vertical	290	2.30
2447MHz	Pass	PK	2.485G	71.16	74.00	-2.84	3	Vertical	290	2.30
2447MHz	Pass	AV	2.3898G	45.34	54.00	-8.66	3	Horizontal	215	2.91
2447MHz	Pass	AV	2.4458G	95.29	Inf	-Inf	3	Horizontal	215	2.91
2447MHz	Pass	AV	2.4835G	52.00	54.00	-2.00	3	Horizontal	215	2.91
2447MHz	Pass	PK	2.3854G	59.38	74.00	-14.62	3	Horizontal	215	2.91
2447MHz	Pass	PK	2.445G	105.96	Inf	-Inf	3	Horizontal	215	2.91
2447MHz	Pass	PK	2.4835G	72.51	74.00	-1.49	3	Horizontal	215	2.91
2452MHz	Pass	AV	2.39G	44.76	54.00	-9.24	3	Vertical	154	1.50
2452MHz	Pass	AV	2.4532G	90.88	Inf	-Inf	3	Vertical	154	1.50
2452MHz	Pass	AV	2.4835G	51.66	54.00	-2.34	3	Vertical	154	1.50
2452MHz	Pass	PK	2.3728G	58.95	74.00	-15.05	3	Vertical	154	1.50
2452MHz	Pass	PK	2.4552G	101.42	Inf	-Inf	3	Vertical	154	1.50
2452MHz	Pass	PK	2.4872G	69.29	74.00	-4.71	3	Vertical	154	1.50
2452MHz	Pass	AV	2.39G	45.12	54.00	-8.88	3	Horizontal	204	1.23
2452MHz	Pass	AV	2.4536G	93.50	Inf	-Inf	3	Horizontal	204	1.23
2452MHz	Pass	AV	2.4835G	52.07	54.00	-1.93	3	Horizontal	204	1.23
2452MHz	Pass	PK	2.3848G	60.19	74.00	-13.81	3	Horizontal	204	1.23
2452MHz	Pass	PK	2.4488G	104.03	Inf	-Inf	3	Horizontal	204	1.23
2452MHz	Pass	PK	2.4852G	71.71	74.00	-2.29	3	Horizontal	204	1.23
2452MHz	Pass	AV	4.90424G	35.49	54.00	-18.51	3	Vertical	226	1.52
2452MHz	Pass	AV	7.35528G	40.59	54.00	-13.41	3	Vertical	194	1.50
2452MHz	Pass	PK	4.90336G	50.11	74.00	-23.89	3	Vertical	226	1.52
2452MHz	Pass	PK	7.34952G	56.37	74.00	-17.63	3	Vertical	194	1.50
2452MHz	Pass	AV	4.90408G	35.36	54.00	-18.64	3	Horizontal	4	1.68
2452MHz	Pass	AV	7.35864G	40.23	54.00	-13.77	3	Horizontal	205	1.50
2452MHz	Pass	PK	4.90472G	50.41	74.00	-23.59	3	Horizontal	4	1.68
2452MHz	Pass	PK	7.3516G	54.89	74.00	-19.11	3	Horizontal	205	1.50

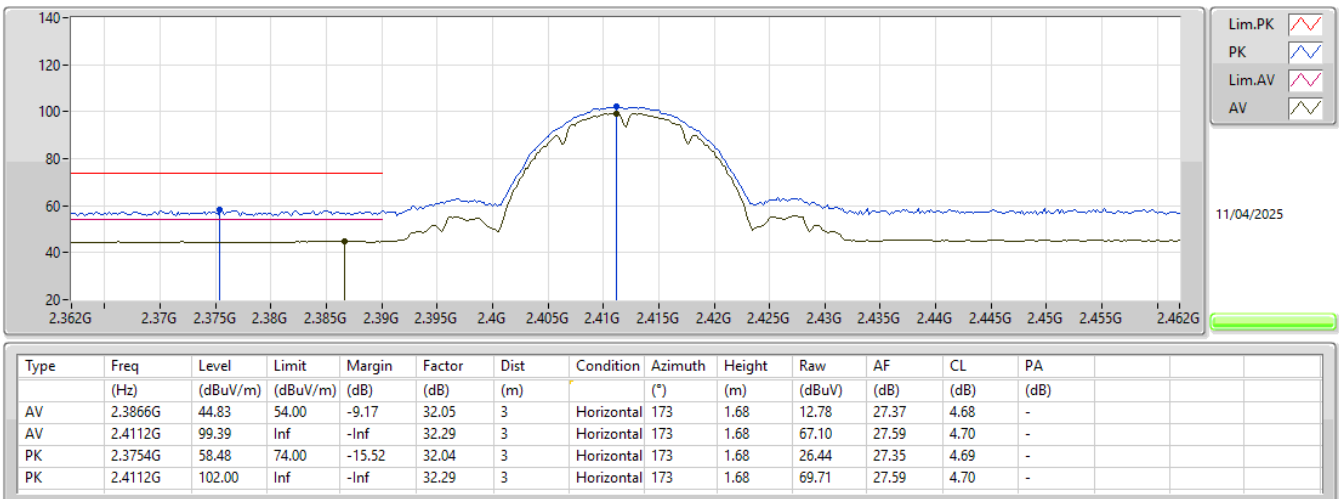
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2412MHz_TX



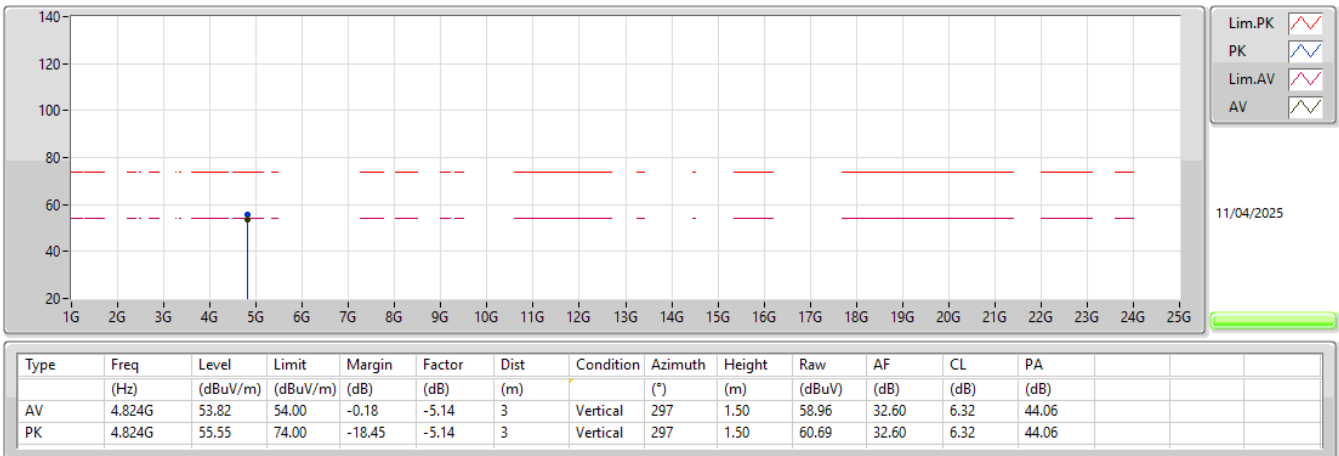
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2412MHz_TX



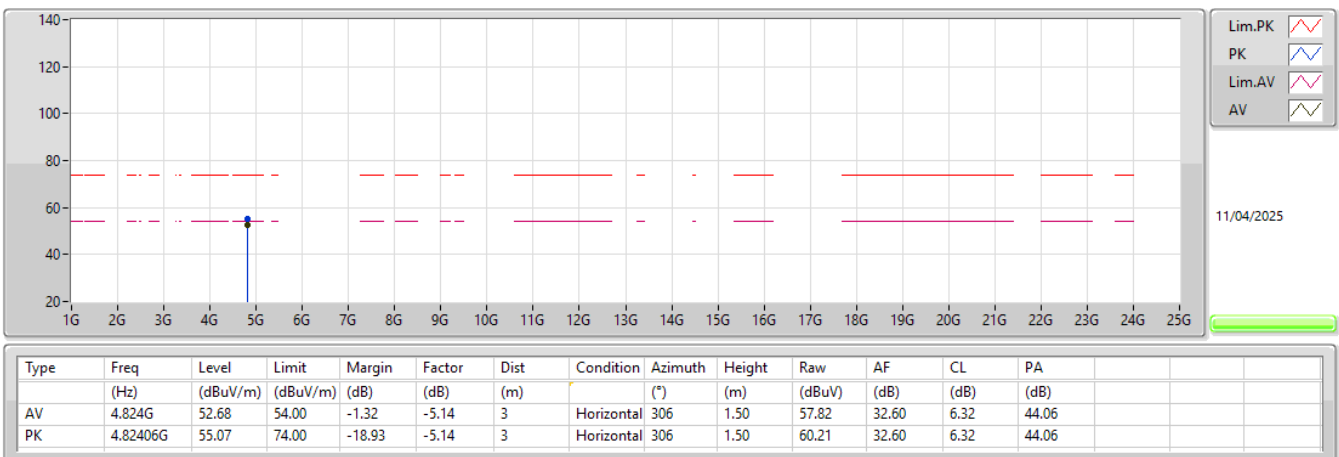
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2412MHz_TX



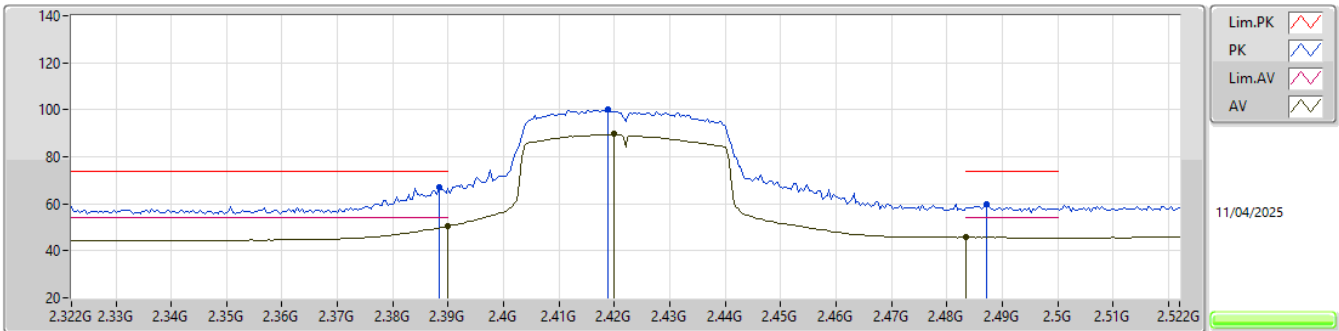
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2412MHz_TX



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

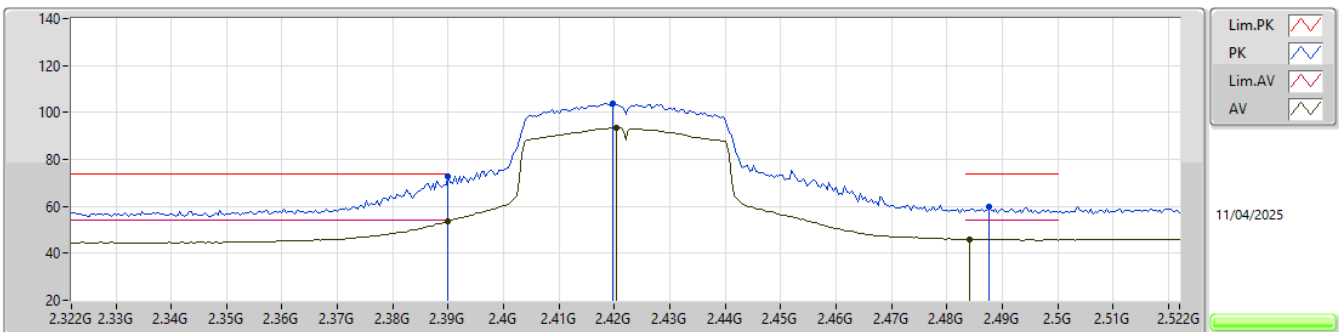
2422MHz_TX



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	50.42	54.00	-3.58	32.08	3	Vertical	110	1.50	18.34	27.40	4.68	-
AV	2.42G	89.58	Inf	-Inf	32.22	3	Vertical	110	1.50	57.36	27.50	4.72	-
AV	2.4835G	45.78	54.00	-8.22	32.81	3	Vertical	110	1.50	12.97	27.94	4.87	-
PK	2.3884G	66.92	74.00	-7.08	32.06	3	Vertical	110	1.50	34.86	27.38	4.68	-
PK	2.4188G	100.20	Inf	-Inf	32.22	3	Vertical	110	1.50	67.98	27.51	4.71	-
PK	2.4872G	59.97	74.00	-14.03	32.84	3	Vertical	110	1.50	27.13	27.97	4.87	-

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

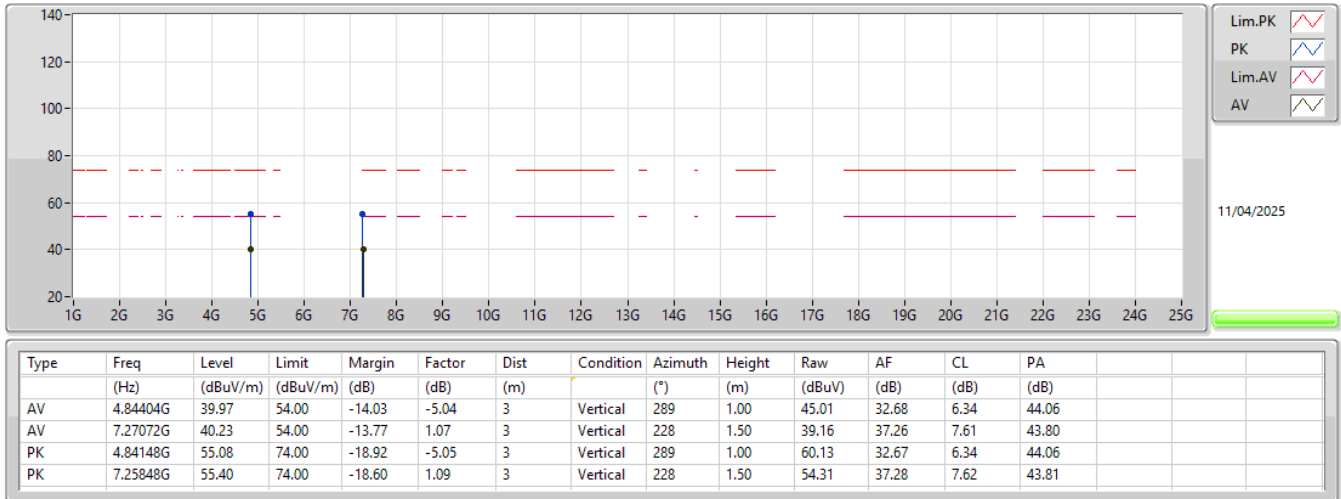
2422MHz_TX



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	53.58	54.00	-0.42	32.08	3	Horizontal	203	1.00	21.50	27.40	4.68	-
AV	2.4204G	93.47	Inf	-Inf	32.22	3	Horizontal	203	1.00	61.25	27.50	4.72	-
AV	2.484G	45.94	54.00	-8.06	32.81	3	Horizontal	203	1.00	13.13	27.94	4.87	-
PK	2.39G	72.62	74.00	-1.38	32.08	3	Horizontal	203	1.00	40.54	27.40	4.68	-
PK	2.4196G	103.92	Inf	-Inf	32.22	3	Horizontal	203	1.00	71.70	27.50	4.72	-
PK	2.4876G	59.57	74.00	-14.43	32.86	3	Horizontal	203	1.00	26.71	27.98	4.88	-

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

2422MHz_TX



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

2422MHz_TX

