

FCC Radio Test Report

FCC ID : V93MT6200AW
Equipment : Mobile Terminal System
Brand Name : **POSIFLEX**
Model Name : MT-62xxxx, MT-62xxxx-G2 (where x can be 0-9, A-Z, blank or symbol)
Applicant : POSIFLEX TECHNOLOGY, INC.
4F-8F, No.23, Datong St., Tucheng Dist., New Taipei City 236044, Taiwan (R.O.C.)
Manufacturer : POSIFLEX TECHNOLOGY, INC.
4F-8F, No.23, Datong St., Tucheng Dist., New Taipei City 236044, Taiwan (R.O.C.)
Standard : 47 CFR FCC Part 15.247

The product was received on Jan. 11, 2024, and testing was started from Feb. 19, 2024 and completed on Mar. 14, 2024. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.


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
FR3D2937AC	01	Initial issue of report	Jun. 27, 2024

Summary of Test Result

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

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and explanations:

None

Reviewed by: Terry Chang

Report Producer: Julie Tseng

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]

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

Note:

- ♦ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ♦ 11g, HT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

For 8-inch EUT

Ant.	Brand	Model Name	Antenna Type	Connector
1	Unictron	HE018	PCB	I-PEX

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	2.7	2.4	2.7

For 2.4GHz function:

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

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

For BT function:

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

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

For 5GHz function:

For IEEE 802.11 a/n/ac mode (1TX/1RX)

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

For 10-inch EUT

Ant.	Brand	Model Name	Antenna Type	Connector
1	Unictron	HE019	PCB	I-PEX

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	0.4	2.9	0.4

For 2.4GHz function:

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

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

For BT function:

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

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

For 5GHz function:

For IEEE 802.11 a/n/ac mode (1TX/1RX)

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

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From Power 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	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss1,(6Mbps)_1TX	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT20_Nss1,(MCS0)_1TX	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)

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

1.1.5 Table for Multiple Listing

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

Size	Model Name	Description
8"	MT-62xxxx, MT-62xxxx-G2 (where x can be 0-9, A-Z, blank or symbol)	All the models are identical, the difference model for difference brand served as marketing strategy.
10"		

From the above models, model: MT-6208A, MT-6210A was selected as representative model for the test and its data was recorded in this report.

1.2 Testing Applied Standards

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

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

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

- ♦ KDB 558074 D01 v05r02
- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Daniel Lin	21.0~22.5°C / 51~54%	25/Feb/2024
RF Conducted	TH01-HY	Raven Chien	23.1~23.8°C / 48~54%	22/Feb/2024
Radiated (Co-location)	03CH03-HY	Simon Cheng	21.7~22.6°C / 48~52%	13/Mar/2024~14/Mar/2024
☒ 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
Radiated	03CH25-HY	Edward Wang	21.3~23.7°C / 51~54%	19/Feb/2024~24/Feb/2024

1.4 Measurement Uncertainty

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

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



2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	N/A
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Note: The EUT transmits RF signal continuously by itself

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	19
2417MHz	18.5
2437MHz	17
2462MHz	17
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	20
2417MHz	22
2437MHz	22.5
2457MHz	22
2462MHz	20
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	19
2417MHz	22
2437MHz	22.5
2457MHz	22
2462MHz	19.5

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	Adapter1 mode ; WIFI 2.4G TX
2	Adapter2 mode ; WIFI 2.4G TX

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_8"		
2	Adapter mode_10"		
Operating Mode > 1GHz	CTX		
1	Adapter mode_8"		
2	Adapter mode_10"		
Mode 2 configuration was tested and found to be the worst case and measured during the test.			
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT	V		

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	WLAN 2.4GHz+Bluetooth+NFC
2	WLAN 5GHz+Bluetooth+NFC
Refer to Appendix G for Radiated Emission Co-location.	

2.3 Accessories

Accessories				
Power adapter 1	Brand Name	DELTA	Model Name	ADP-45HG B
	Manufacturer	DELTA ELECTRONICS, INC.	SN	-
	Power Rating	I/P: 100 - 240 Vac, 1.5 A O/P: 5.0 Vdc, 3.0A, 15W 9.0 Vdc, 3.0A, 27W 12.0 Vdc, 3.0A, 36W 15.0 Vdc, 3.0A, 45W 20.0 Vdc, 2.25A, 45W		
Power adapter 2	Brand Name	LITEON	Model Name	PA-1450-50
	Manufacturer	Lite-ON Technology Corp.	SN	-
	Power Rating	I/P: 100 - 240 Vac, 1.3 A O/P: 5.0 Vdc, 3.0A, 15W 9.0 Vdc, 3.0A, 27W 12.0 Vdc, 3.0A, 36W 15.0 Vdc, 3.0A, 45W 20.0 Vdc, 2.25A, 45W		
Power Cord (US Plug)	Brand Name	PHION	Model Name	PHP-301 to PHS-305
	Power Cord	1.8 meter, without shielded cable, without ferrite core		
Battery	Brand Name	POSIFLEX	Model Name	RB-1300
	Manufacturer	Jiade Energy Technology(Zhuhai) Co., Ltd.	SN	-
	Power Rating	7.70Vdc, 5930 mAh	Type	Li-ion

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

2.4 Support Equipment

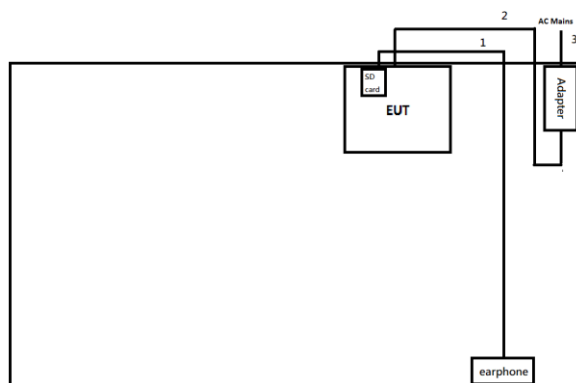
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Earphone	APPLE	MD827FEA	-	-
2	SD card	Sporton	Sporton	-	-
3	NFC Card	Sporton	Sporton	-	-

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

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Earphone	APPLE	MD827FEA	-	-
2	SD card	Sporton	Sporton	-	-

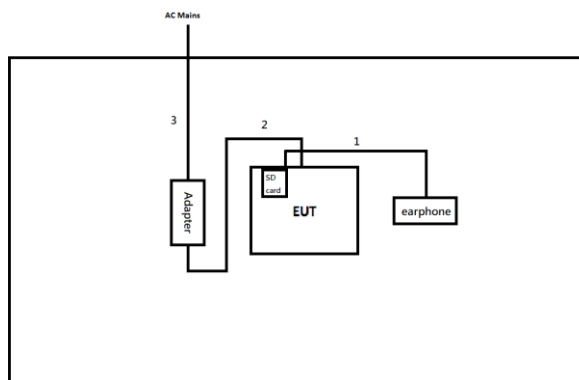
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	Audio Cable	No	1.25	-
2	DC Power cable	No	1.5	-
3	AC Power cable	No	1.8	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	Audio Cable	No	1.25	-
2	DC Power cable	No	1.5	-
3	AC Power cable	No	1.8	-

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

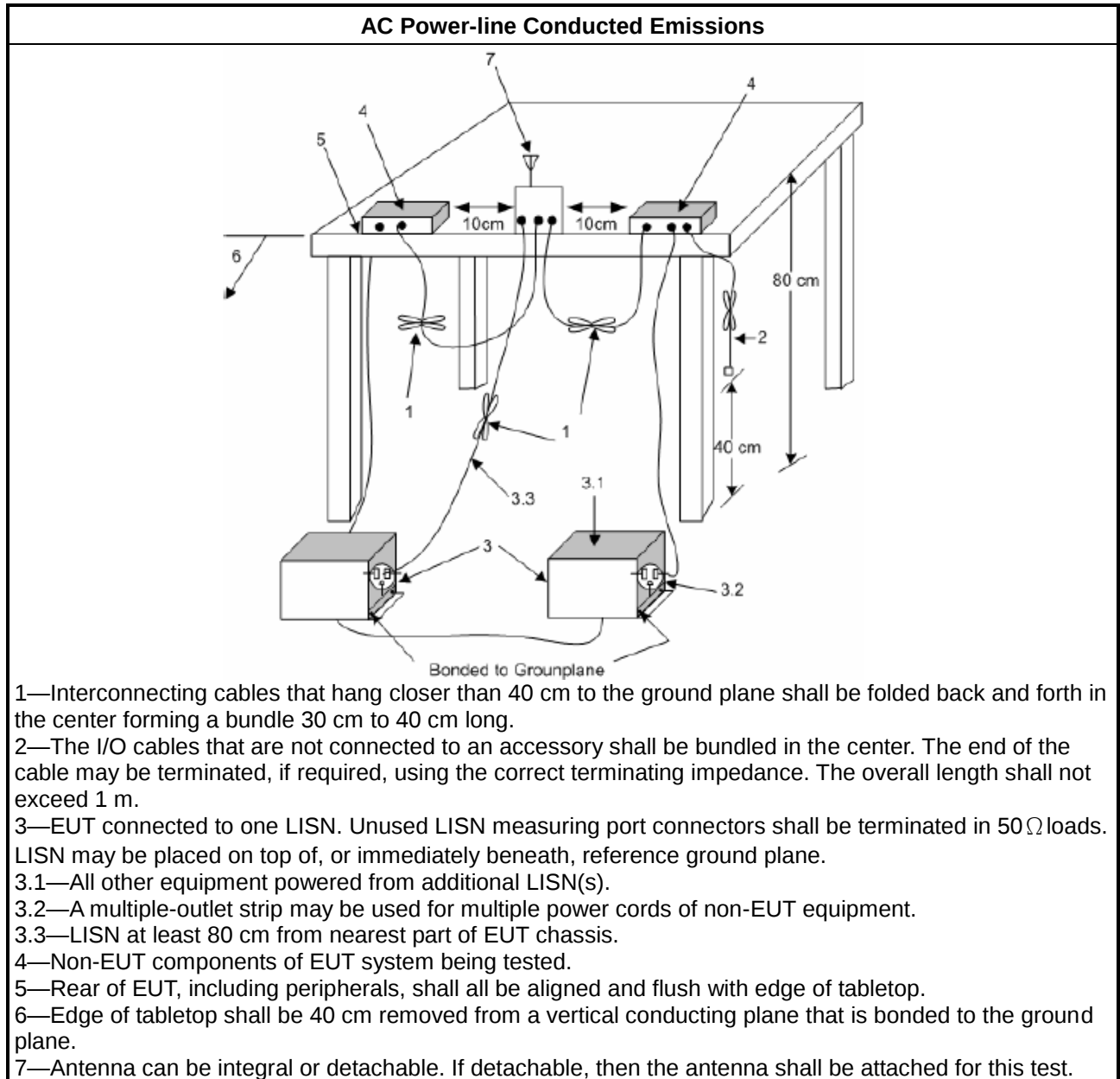
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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.

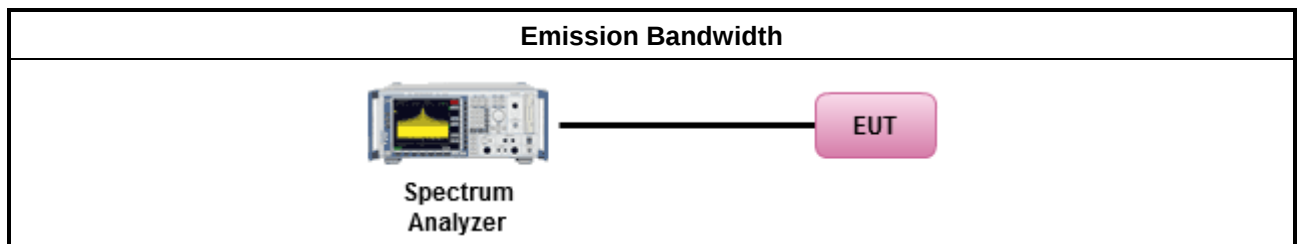
3.2.2 Measuring Instruments

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.	

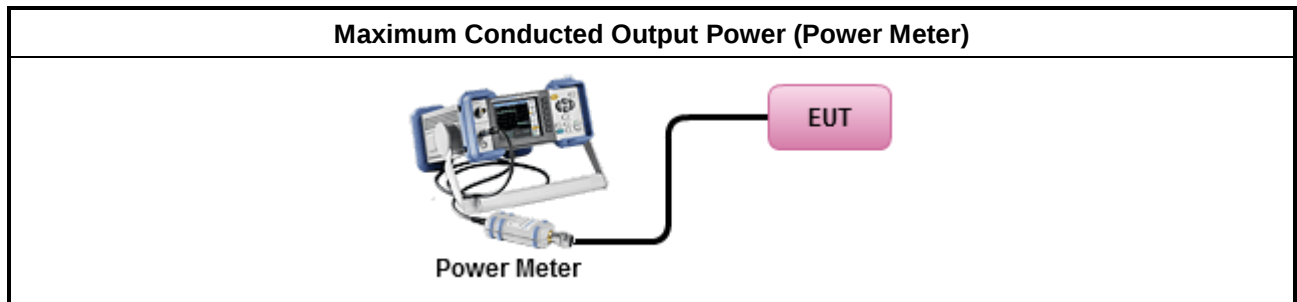
3.3.2 Measuring Instruments

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

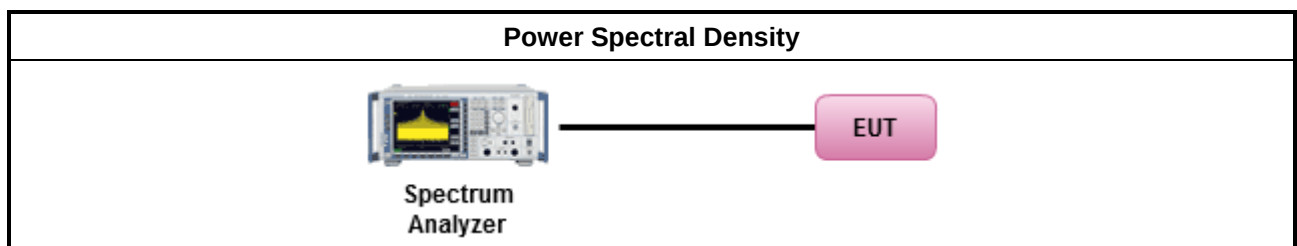
3.4.2 Measuring Instruments

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.	

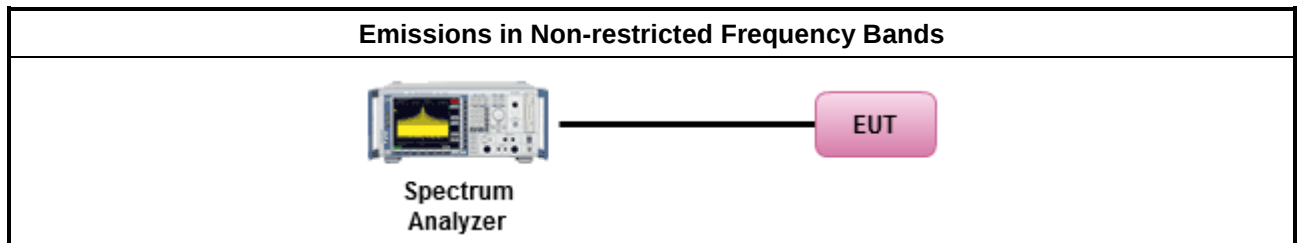
3.5.2 Measuring Instruments

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

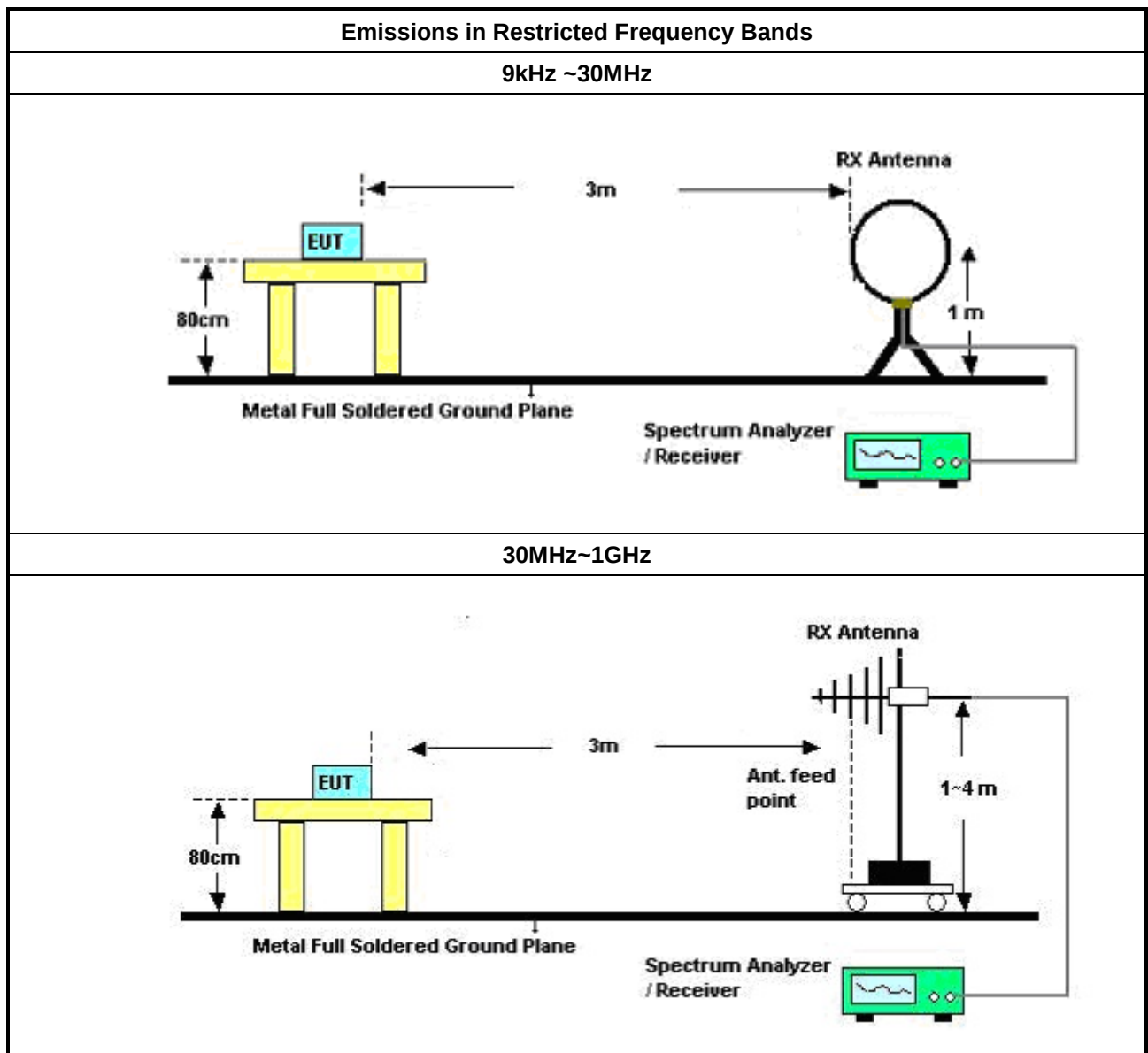
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted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

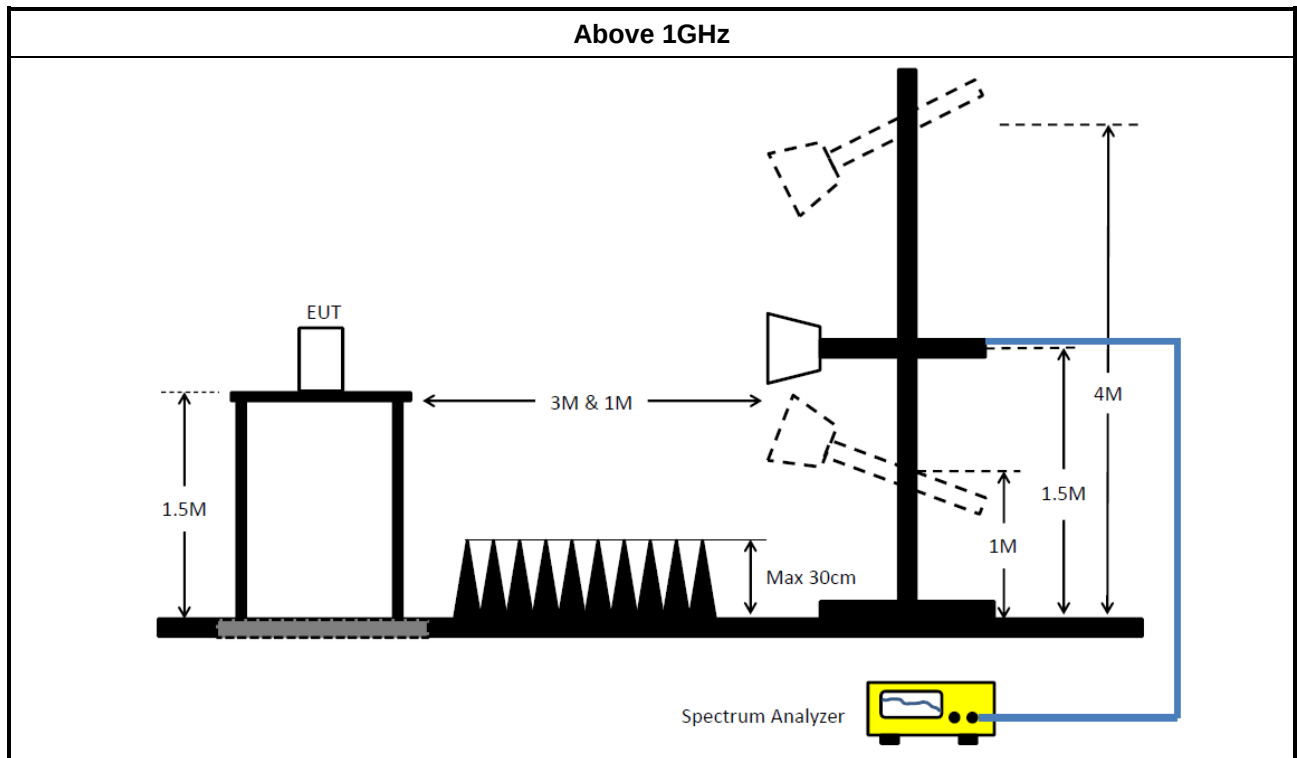
3.6.4 Measurement Results Calculation

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	R&S	ESR	102051	9kHz ~ 3.6GHz	16/May/2023	15/May/2024
TWO-LINE V-NETWORK	R&S	ENV 216	101295	9kHz-30MHz	05/Feb/2024	04/Feb/2025
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	28/Feb/2023	27/Feb/2024
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	18/Oct/2023	17/Oct/2024
Software	Sporton	SENSE-EMI	V5.11.3	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	10/Apr/2023	09/Apr/2024
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	20/Oct/2023	19/Oct/2024
Power Meter	Anritsu	ML2495A	2105003	300MHz~40GHz	19/Sep/2023	18/Sep/2024
Pulse Sensor	Anritsu	MA2411B	1911254	300MHz~40GHz	19/Sep/2023	18/Sep/2024
SENSE-15247_DTS	Sporton	V5.11.16	N/A	N/A	N/A	N/A

Instrument for Radiated Test (03CH25-HY)

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	03/Aug/2023	02/Aug/2024
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	1GHz~18GHz 3m	09/Aug/2023	08/Aug/2024
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	27/Dec/2023	26/Dec/2024
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101410	10Hz~44GHz	17/Nov/2023	16/Nov/2024
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	23/Mar/2023	22/Mar/2024
Bilog Antenna & 6dB Attenuator	TESEQ & VGT	CBL 6111D & VFA 04002-06	63537/001	30MHz~1GHz	31/May/2023	30/May/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02876	1GHz~18GHz	12/Jul/2023	11/Jul/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	21/Aug/2023	20/Aug/2024
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	9kHz~1GHz	24/Apr/2023	23/Apr/2024
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	1GHz~40GHz	24/Apr/2023	23/Apr/2024
Preamplifier	SGH	PRAMP 903	20230515-1	30MHz~1GHz	25/May/2023	24/May/2024
Preamplifier	SGH	PRAMP 118-H	20230515-3	1GHz ~18GHz	25/May/2023	24/May/2024
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	16/Mar/2023	15/Mar/2024
SENSE-15247-DTS	Sporton	V5.13	NA	NA	NA	NA

**Instrument for Radiated Test (03CH03-HY)**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	28/Jul/2023	27/Jul/2024
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	26/Oct/2023	25/Oct/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	2267	1GHz~18GHz	04/Oct/2023	03/Oct/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	1248	18GHz ~ 40GHz	21/Aug/2023	20/Aug/2024
RF CABLE 5+8 m	HUBER+SUHNER	SUOFLEX 104	03CH03-cable-03	1GHz~40GHz	20/Feb/2024	19/Feb/2025
Microwave Preamplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	26/Jul/2023	25/Jul/2024
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	60604	18GHz ~ 40GHz	16/Mar/2023	15/Mar/2024
SENSE-EMI	Sporton	V5.11.6	N/A	N/A	N/A	N/A



Conducted Emissions at Powerline_10''

Appendix A

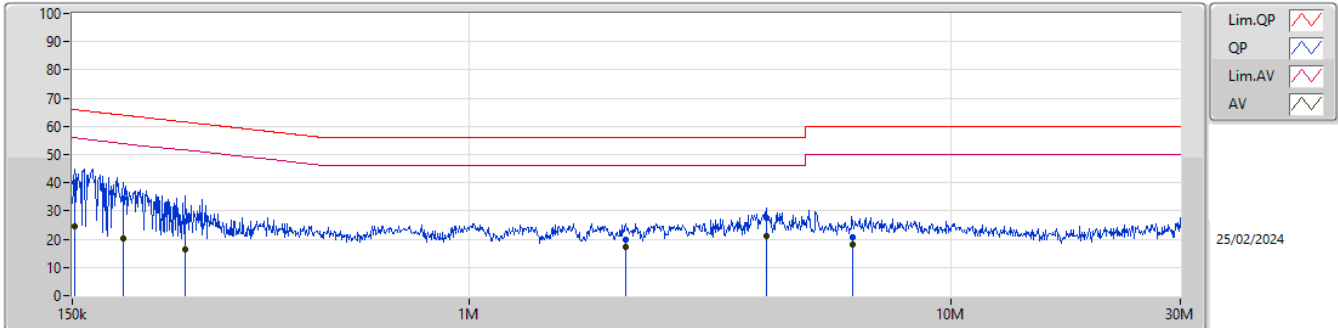
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	4.138M	21.09	46.00	-24.91	Line
Mode 2	Pass	AV	475.482k	21.84	46.42	-24.58	Line

Result

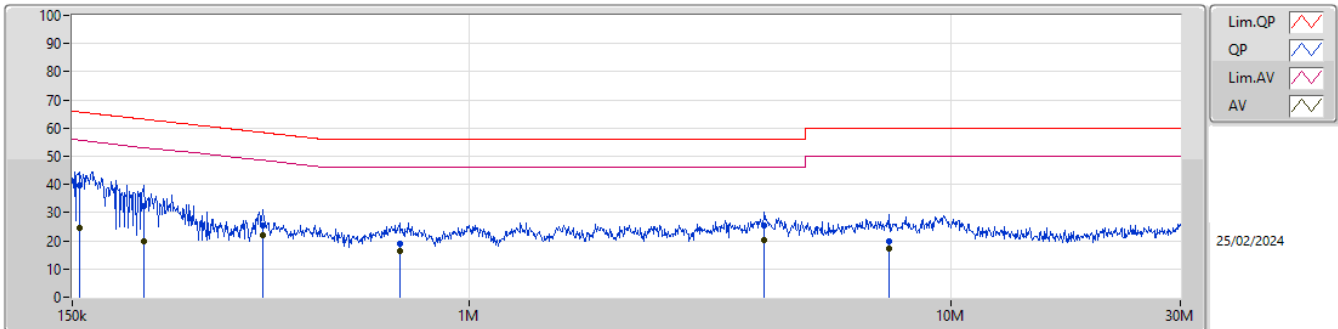
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	151.807k	40.29	65.90	-25.61	Line
Mode 1	Pass	AV	151.807k	24.59	55.90	-31.31	Line
Mode 1	Pass	QP	191.358k	34.65	63.97	-29.32	Line
Mode 1	Pass	AV	191.358k	20.40	53.97	-33.57	Line
Mode 1	Pass	QP	257.124k	26.17	61.53	-35.36	Line
Mode 1	Pass	AV	257.124k	16.37	51.53	-35.16	Line
Mode 1	Pass	QP	2.116M	19.67	56.00	-36.33	Line
Mode 1	Pass	AV	2.116M	17.24	46.00	-28.76	Line
Mode 1	Pass	QP	4.138M	27.64	56.00	-28.36	Line
Mode 1	Pass	AV	4.138M	21.09	46.00	-24.91	Line
Mode 1	Pass	QP	6.243M	20.58	60.00	-39.42	Line
Mode 1	Pass	AV	6.243M	18.00	50.00	-32.00	Line
Mode 1	Pass	QP	154.868k	39.61	65.73	-26.12	Neutral
Mode 1	Pass	AV	154.868k	24.46	55.73	-31.27	Neutral
Mode 1	Pass	QP	211.442k	32.53	63.15	-30.62	Neutral
Mode 1	Pass	AV	211.442k	19.94	53.15	-33.21	Neutral
Mode 1	Pass	QP	372.716k	25.44	58.45	-33.01	Neutral
Mode 1	Pass	AV	372.716k	22.10	48.45	-26.35	Neutral
Mode 1	Pass	QP	717.31k	18.91	56.00	-37.09	Neutral
Mode 1	Pass	AV	717.31k	16.44	46.00	-29.56	Neutral
Mode 1	Pass	QP	4.105M	25.43	56.00	-30.57	Neutral
Mode 1	Pass	AV	4.105M	20.23	46.00	-25.77	Neutral
Mode 1	Pass	QP	7.471M	19.75	60.00	-40.25	Neutral
Mode 1	Pass	AV	7.471M	17.16	50.00	-32.84	Neutral
Mode 2	Pass	QP	151.202k	40.74	65.92	-25.18	Line
Mode 2	Pass	AV	151.202k	24.70	55.92	-31.22	Line
Mode 2	Pass	QP	185.344k	34.28	64.24	-29.96	Line
Mode 2	Pass	AV	185.344k	20.02	54.24	-34.22	Line
Mode 2	Pass	QP	227.194k	29.91	62.56	-32.65	Line
Mode 2	Pass	AV	227.194k	18.39	52.56	-34.17	Line
Mode 2	Pass	QP	475.482k	26.05	56.42	-30.37	Line
Mode 2	Pass	AV	475.482k	21.84	46.42	-24.58	Line
Mode 2	Pass	QP	3.019M	18.02	56.00	-37.98	Line
Mode 2	Pass	AV	3.019M	15.65	46.00	-30.35	Line
Mode 2	Pass	QP	12.91M	23.77	60.00	-36.23	Line
Mode 2	Pass	AV	12.91M	20.59	50.00	-29.41	Line
Mode 2	Pass	QP	160.533k	38.65	65.43	-26.78	Neutral
Mode 2	Pass	AV	160.533k	22.99	55.43	-32.44	Neutral
Mode 2	Pass	QP	189.08k	32.81	64.07	-31.26	Neutral
Mode 2	Pass	AV	189.08k	19.08	54.07	-34.99	Neutral
Mode 2	Pass	QP	280.727k	22.57	60.80	-38.23	Neutral
Mode 2	Pass	AV	280.727k	15.34	50.80	-35.46	Neutral
Mode 2	Pass	QP	466.086k	26.44	56.59	-30.15	Neutral
Mode 2	Pass	AV	466.086k	21.28	46.59	-25.31	Neutral
Mode 2	Pass	QP	4.073M	20.22	56.00	-35.78	Neutral
Mode 2	Pass	AV	4.073M	17.23	46.00	-28.77	Neutral
Mode 2	Pass	QP	12.705M	24.19	60.00	-35.81	Neutral
Mode 2	Pass	AV	12.705M	20.62	50.00	-29.38	Neutral

Conducted Emissions at Powerline_Mode 1



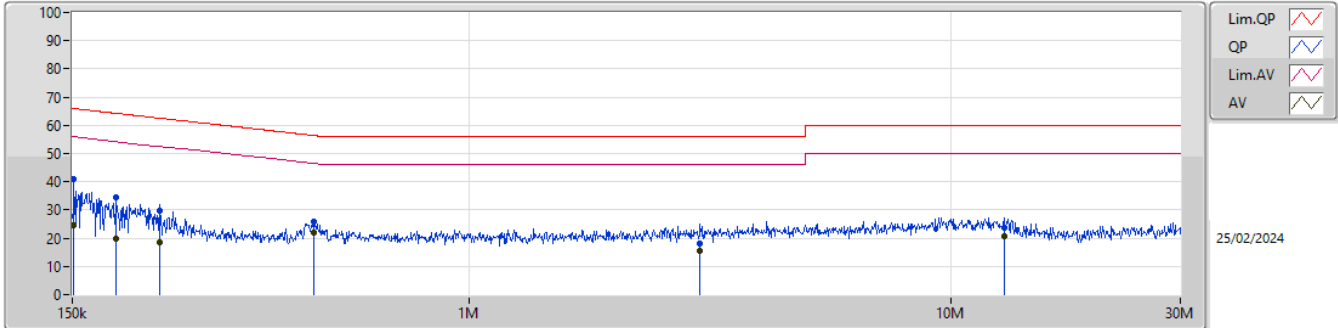
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	151.807k	40.29	65.90	-25.61	19.40	Line	-	20.89	9.61	0.03	9.76						
AV	151.807k	24.59	55.90	-31.31	19.40	Line	-	5.19	9.61	0.03	9.76						
QP	191.358k	34.65	63.97	-29.32	19.33	Line	-	15.32	9.61	0.03	9.69						
AV	191.358k	20.40	53.97	-33.57	19.33	Line	-	1.07	9.61	0.03	9.69						
QP	257.124k	26.17	61.53	-35.36	19.35	Line	-	6.82	9.61	0.03	9.71						
AV	257.124k	16.37	51.53	-35.16	19.35	Line	-	-2.98	9.61	0.03	9.71						
QP	2.116M	19.67	56.00	-36.33	19.50	Line	-	0.17	9.62	0.08	9.80						
AV	2.116M	17.24	46.00	-28.76	19.50	Line	-	-2.26	9.62	0.08	9.80						
QP	4.138M	27.64	56.00	-28.36	19.56	Line	-	8.08	9.64	0.13	9.79						
AV	4.138M	21.09	46.00	-24.91	19.56	Line	-	1.53	9.64	0.13	9.79						
QP	6.243M	20.58	60.00	-39.42	19.59	Line	-	0.99	9.65	0.15	9.79						
AV	6.243M	18.00	50.00	-32.00	19.59	Line	-	-1.59	9.65	0.15	9.79						

Conducted Emissions at Powerline_Mode 1



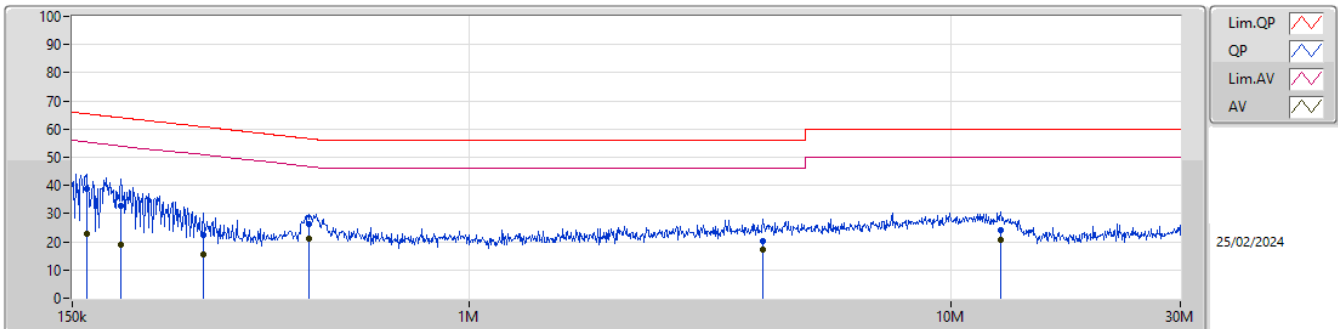
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	154.868k	39.61	65.73	-26.12	19.40	Neutral	-	20.21	9.62	0.03	9.75						
AV	154.868k	24.46	55.73	-31.27	19.40	Neutral	-	5.06	9.62	0.03	9.75						
QP	211.442k	32.53	63.15	-30.62	19.33	Neutral	-	13.20	9.61	0.03	9.69						
AV	211.442k	19.94	53.15	-33.21	19.33	Neutral	-	0.61	9.61	0.03	9.69						
QP	372.716k	25.44	58.45	-33.01	19.40	Neutral	-	6.04	9.61	0.04	9.75						
AV	372.716k	22.10	48.45	-26.35	19.40	Neutral	-	2.70	9.61	0.04	9.75						
QP	717.31k	18.91	56.00	-37.09	19.45	Neutral	-	-0.54	9.61	0.05	9.79						
AV	717.31k	16.44	46.00	-29.56	19.45	Neutral	-	-3.01	9.61	0.05	9.79						
QP	4.105M	25.43	56.00	-30.57	19.56	Neutral	-	5.87	9.64	0.13	9.79						
AV	4.105M	20.23	46.00	-25.77	19.56	Neutral	-	0.67	9.64	0.13	9.79						
QP	7.471M	19.75	60.00	-40.25	19.62	Neutral	-	0.13	9.67	0.16	9.79						
AV	7.471M	17.16	50.00	-32.84	19.62	Neutral	-	-2.46	9.67	0.16	9.79						

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	151.202k	40.74	65.92	-25.18	19.40	Line	-	21.34	9.61	0.03	9.76						
AV	151.202k	24.70	55.92	-31.22	19.40	Line	-	5.30	9.61	0.03	9.76						
QP	185.344k	34.28	64.24	-29.96	19.34	Line	-	14.94	9.61	0.03	9.70						
AV	185.344k	20.02	54.24	-34.22	19.34	Line	-	0.68	9.61	0.03	9.70						
QP	227.194k	29.91	62.56	-32.65	19.33	Line	-	10.58	9.61	0.03	9.69						
AV	227.194k	18.39	52.56	-34.17	19.33	Line	-	-0.94	9.61	0.03	9.69						
QP	475.482k	26.05	56.42	-30.37	19.42	Line	-	6.63	9.61	0.04	9.77						
AV	475.482k	21.84	46.42	-24.58	19.42	Line	-	2.42	9.61	0.04	9.77						
QP	3.019M	18.02	56.00	-37.98	19.53	Line	-	-1.51	9.63	0.11	9.79						
AV	3.019M	15.65	46.00	-30.35	19.53	Line	-	-3.88	9.63	0.11	9.79						
QP	12.91M	23.77	60.00	-36.23	19.68	Line	-	4.09	9.64	0.22	9.82						
AV	12.91M	20.59	50.00	-29.41	19.68	Line	-	0.91	9.64	0.22	9.82						

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	160.533k	38.65	65.43	-26.78	19.39	Neutral	-	19.26	9.62	0.03	9.74						
AV	160.533k	22.99	55.43	-32.44	19.39	Neutral	-	3.60	9.62	0.03	9.74						
QP	189.08k	32.81	64.07	-31.26	19.34	Neutral	-	13.47	9.61	0.03	9.70						
AV	189.08k	19.08	54.07	-34.99	19.34	Neutral	-	-0.26	9.61	0.03	9.70						
QP	280.727k	22.57	60.80	-38.23	19.36	Neutral	-	3.21	9.61	0.03	9.72						
AV	280.727k	15.34	50.80	-35.46	19.36	Neutral	-	-4.02	9.61	0.03	9.72						
QP	466.086k	26.44	56.59	-30.15	19.42	Neutral	-	7.02	9.61	0.04	9.77						
AV	466.086k	21.28	46.59	-25.31	19.42	Neutral	-	1.86	9.61	0.04	9.77						
QP	4.073M	20.22	56.00	-35.78	19.56	Neutral	-	0.66	9.64	0.13	9.79						
AV	4.073M	17.23	46.00	-28.77	19.56	Neutral	-	-2.33	9.64	0.13	9.79						
QP	12.705M	24.19	60.00	-35.81	19.72	Neutral	-	4.47	9.69	0.22	9.81						
AV	12.705M	20.62	50.00	-29.38	19.72	Neutral	-	0.90	9.69	0.22	9.81						

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	8.1M	12.984M	13M0G1D	8.05M	12.849M
802.11g_Nss1,(6Mbps)_1TX	16.325M	16.734M	16M7D1D	16.3M	16.426M
802.11n HT20_Nss1,(MCS0)_1TX	17.575M	17.891M	17M9D1D	17.55M	17.541M

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	8.1M	12.984M
2437MHz	Pass	500k	8.05M	12.864M
2462MHz	Pass	500k	8.1M	12.849M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.325M	16.426M
2437MHz	Pass	500k	16.3M	16.734M
2462MHz	Pass	500k	16.325M	16.448M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	17.55M	17.666M
2437MHz	Pass	500k	17.575M	17.891M
2462MHz	Pass	500k	17.575M	17.541M

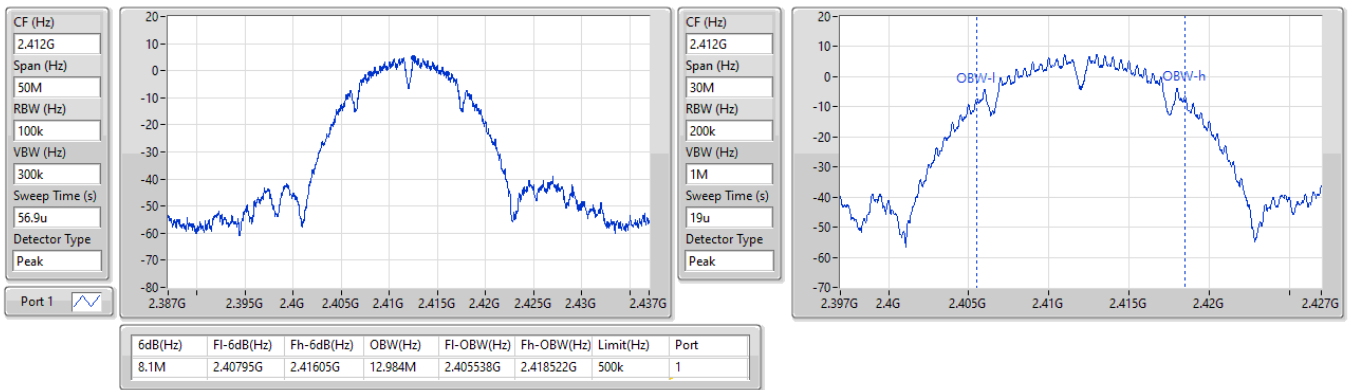
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

2412MHz

22/02/2024

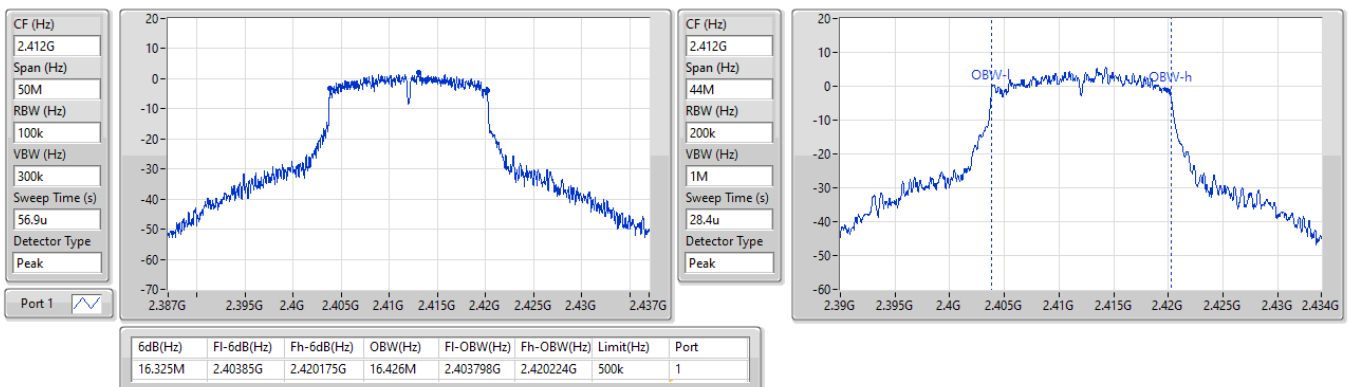


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

EBW

2412MHz

22/02/2024

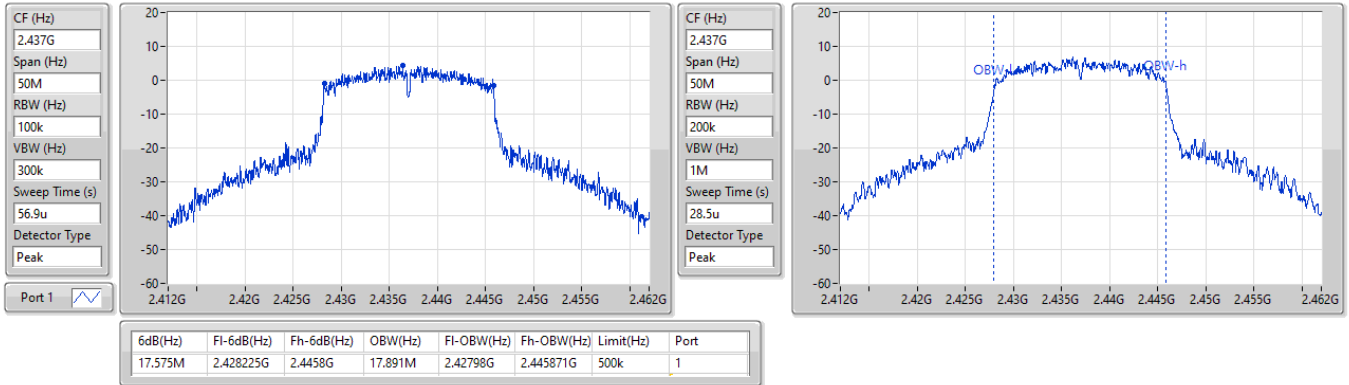


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

EBW

2437MHz

22/02/2024





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	15.61	0.03639
802.11g_Nss1,(6Mbps)_1TX	18.50	0.07079
802.11n HT20_Nss1,(MCS0)_1TX	18.37	0.06871

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.70	15.61	15.61	30.00
2417MHz	Pass	2.70	15.04	15.04	30.00
2437MHz	Pass	2.70	13.67	13.67	30.00
2462MHz	Pass	2.70	13.67	13.67	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.70	16.06	16.06	30.00
2417MHz	Pass	2.70	18.00	18.00	30.00
2437MHz	Pass	2.70	18.50	18.50	30.00
2457MHz	Pass	2.70	18.13	18.13	30.00
2462MHz	Pass	2.70	16.27	16.27	30.00
802.11n_HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.70	15.07	15.07	30.00
2417MHz	Pass	2.70	17.85	17.85	30.00
2437MHz	Pass	2.70	18.37	18.37	30.00
2457MHz	Pass	2.70	18.04	18.04	30.00
2462MHz	Pass	2.70	15.77	15.77	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	-7.59
802.11g_Nss1,(6Mbps)_1TX	-7.21
802.11n HT20_Nss1,(MCS0)_1TX	-7.61

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	2.70	-7.59	-7.59	8.00
2437MHz	Pass	2.70	-10.79	-10.79	8.00
2462MHz	Pass	2.70	-10.53	-10.53	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.70	-9.75	-9.75	8.00
2437MHz	Pass	2.70	-7.21	-7.21	8.00
2462MHz	Pass	2.70	-9.12	-9.12	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.70	-10.28	-10.28	8.00
2437MHz	Pass	2.70	-7.61	-7.61	8.00
2462MHz	Pass	2.70	-9.02	-9.02	8.00

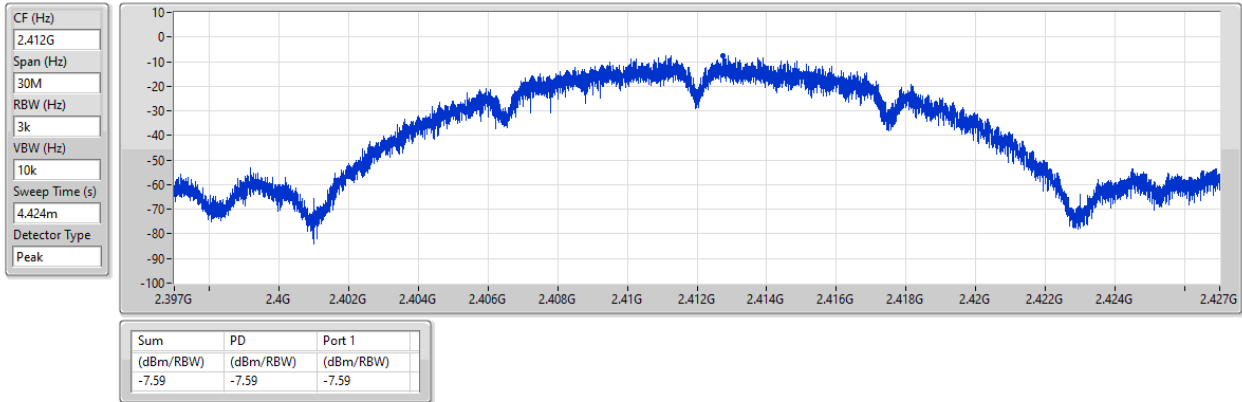
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

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

PSD

2412MHz

22/02/2024

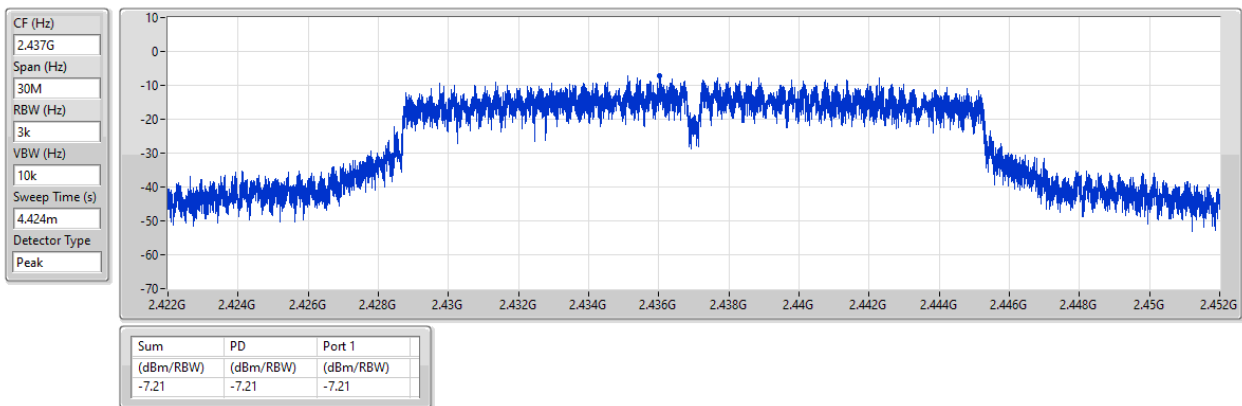


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

22/02/2024

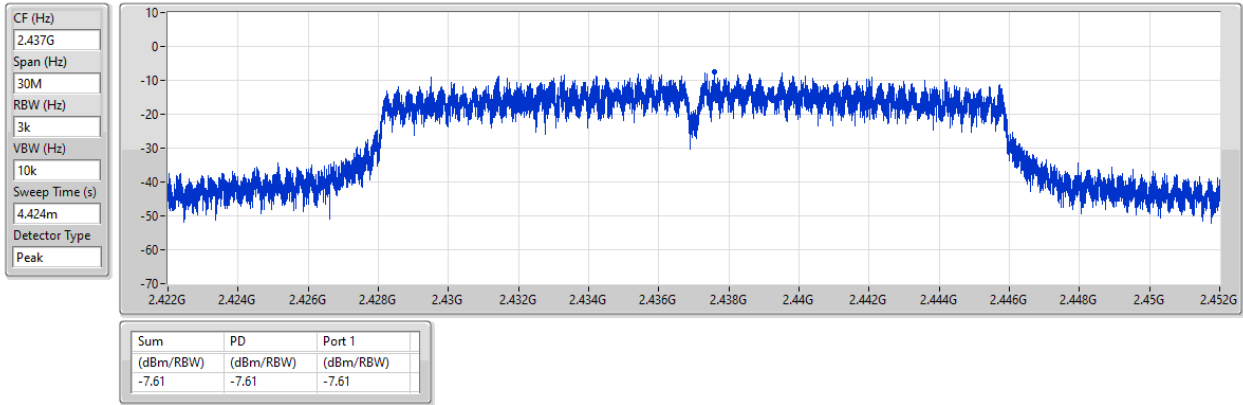


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

PSD

2437MHz

22/02/2024





Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.41236G	6.94	-23.06	2.18059G	-55.83	2.39904G	-40.00	2.4G	-43.63	2.51622G	-52.39	23.19907G	-40.29	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43758G	5.81	-24.19	1.97788G	-55.93	2.39952G	-26.06	2.4G	-25.20	2.51326G	-52.69	24.78366G	-41.83	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.43758G	4.89	-25.11	2.30059G	-55.76	2.39984G	-26.52	2.4G	-26.89	2.51286G	-53.28	24.75838G	-41.03	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	2.41236G	6.94	-23.06	2.18059G	-55.83	2.39904G	-40.00	2.4G	-43.63	2.51622G	-52.39	23.19907G	-40.29	1
2437MHz	Pass	2.41236G	6.94	-23.06	2.16778G	-55.05	2.39656G	-54.46	2.4G	-54.55	2.5171G	-53.30	24.59261G	-41.37	1
2462MHz	Pass	2.41236G	6.94	-23.06	2.15147G	-55.10	2.39168G	-54.32	2.4G	-55.56	2.51606G	-53.40	24.19647G	-41.24	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43758G	5.81	-24.19	1.97788G	-55.93	2.39952G	-26.06	2.4G	-25.20	2.51326G	-52.69	24.78366G	-41.83	1
2437MHz	Pass	2.43758G	5.81	-24.19	2.30758G	-55.74	2.39888G	-45.81	2.4G	-46.49	2.52334G	-51.61	24.35661G	-40.88	1
2462MHz	Pass	2.43758G	5.81	-24.19	2.13749G	-55.84	2.39472G	-52.41	2.4G	-55.45	2.50318G	-50.28	24.50271G	-41.47	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43758G	4.89	-25.11	2.30059G	-55.76	2.39984G	-26.52	2.4G	-26.89	2.51286G	-53.28	24.75838G	-41.03	1
2437MHz	Pass	2.43758G	4.89	-25.11	1.9674G	-55.64	2.39896G	-45.33	2.4G	-48.03	2.50286G	-51.98	15.16372G	-41.66	1
2462MHz	Pass	2.43758G	4.89	-25.11	1.76585G	-55.77	2.39744G	-53.04	2.4G	-54.30	2.50014G	-49.77	24.55609G	-41.56	1

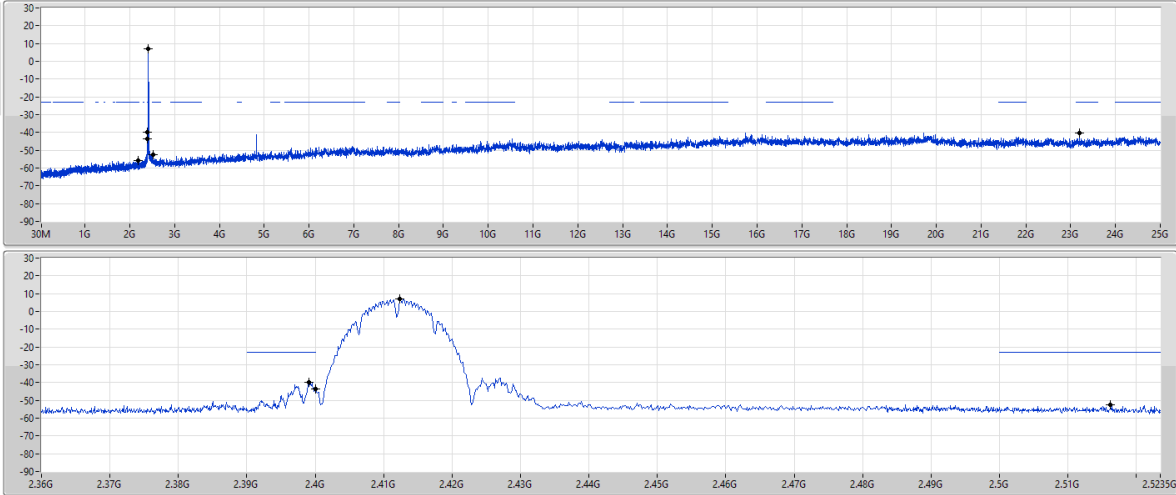
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

CSEndB

2412MHz

22/02/2024

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



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41236G	6.94	-23.06	2.18059G	-55.83	2.39904G	-40.00	2.4G	-43.63	2.51622G	-52.39	2.519907G	-40.29	1

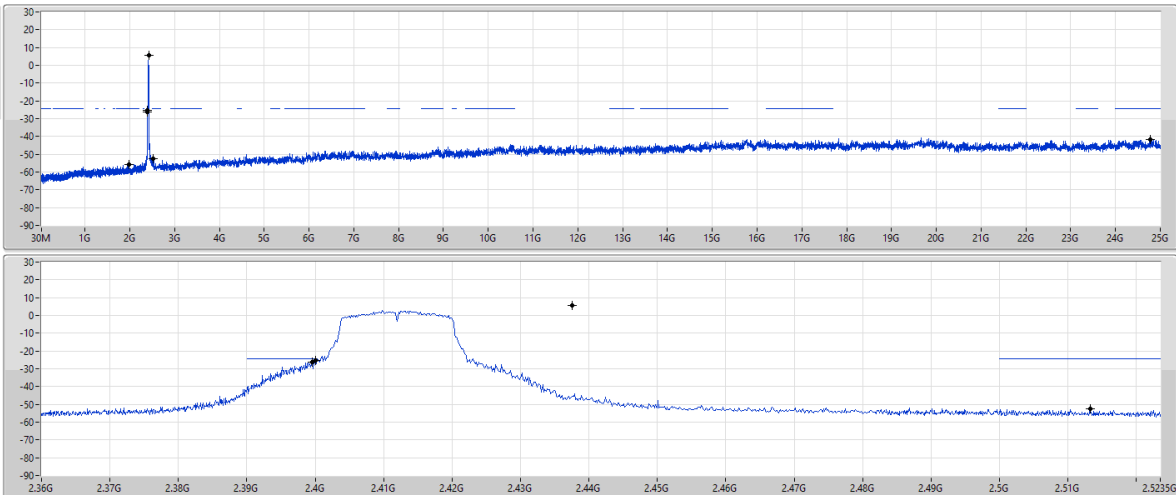
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

CSEndB

2412MHz

22/02/2024

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



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43758G	5.81	-24.19	1.97788G	-55.93	2.39952G	-26.06	2.4G	-25.20	2.51326G	-52.69	2.478366G	-41.83	1

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

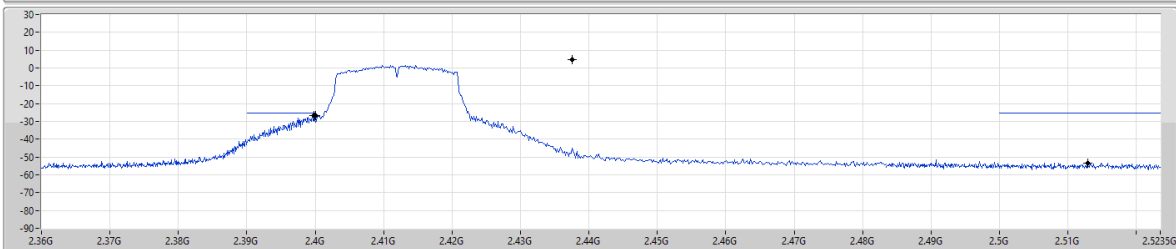
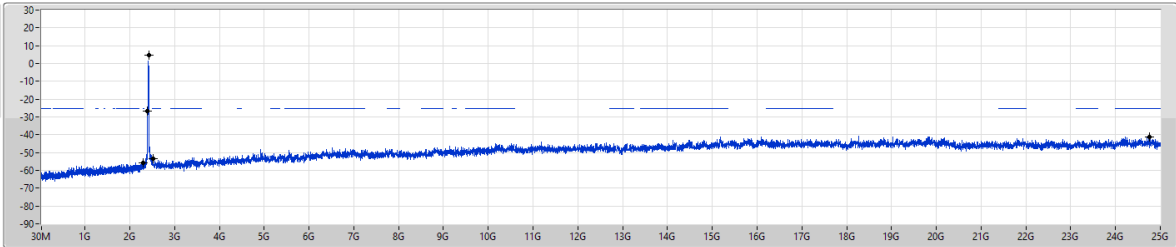
CSEndB

2412MHz

22/02/2024

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

Port 1



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43758G	4.89	-25.11	2.30059G	-55.76	2.39984G	-26.52	2.4G	-26.89	2.51286G	-53.28	24.75838G	-41.03	1



Summary

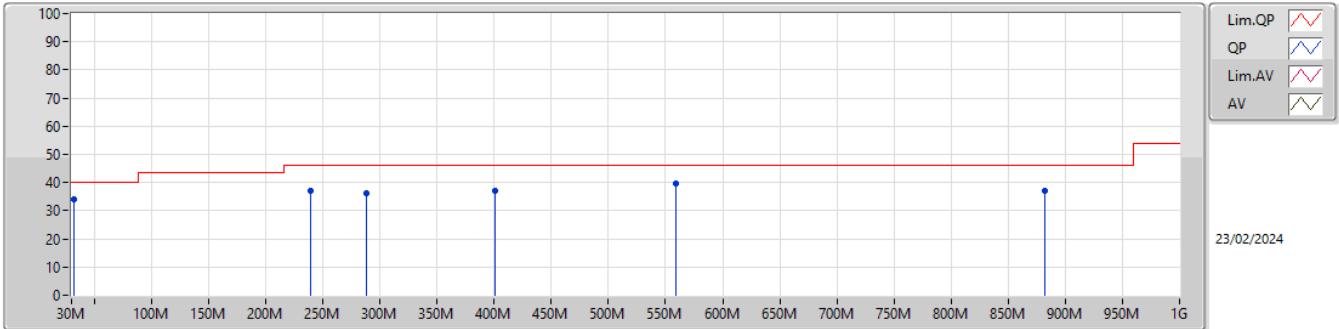
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11g_Nss1,(6Mbps)_1TX	Pass	QP	288.02M	44.31	46.00	-1.69	3	Horizontal	106	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	31.94M	33.94	40.00	-6.06	3	Vertical	360	1.00
2437MHz	Pass	PK	239.52M	37.26	46.00	-8.74	3	Vertical	360	1.00
2437MHz	Pass	PK	288.02M	36.21	46.00	-9.79	3	Vertical	360	1.00
2437MHz	Pass	PK	400.54M	36.94	46.00	-9.06	3	Vertical	360	1.00
2437MHz	Pass	PK	559.62M	39.52	46.00	-6.48	3	Vertical	360	1.00
2437MHz	Pass	PK	881.66M	36.93	46.00	-9.07	3	Vertical	360	1.00
2437MHz	Pass	PK	214.3M	38.71	43.50	-4.79	3	Horizontal	0	1.00
2437MHz	Pass	PK	239.52M	41.67	46.00	-4.33	3	Horizontal	0	1.00
2437MHz	Pass	PK	400.54M	40.20	46.00	-5.80	3	Horizontal	0	1.00
2437MHz	Pass	PK	559.62M	40.02	46.00	-5.98	3	Horizontal	0	1.00
2437MHz	Pass	PK	800.18M	42.29	46.00	-3.71	3	Horizontal	0	1.00
2437MHz	Pass	QP	288.02M	44.31	46.00	-1.69	3	Horizontal	106	1.00
2437MHz	Pass	PK	53.28M	36.11	40.00	-3.89	3	Vertical	0	1.00
2437MHz	Pass	PK	286.08M	38.41	46.00	-7.59	3	Vertical	0	1.00
2437MHz	Pass	PK	400.54M	38.55	46.00	-7.45	3	Vertical	0	1.00
2437MHz	Pass	PK	559.62M	39.63	46.00	-6.37	3	Vertical	0	1.00
2437MHz	Pass	PK	800.18M	36.30	46.00	-9.70	3	Vertical	0	1.00
2437MHz	Pass	PK	881.66M	36.63	46.00	-9.37	3	Vertical	0	1.00
2437MHz	Pass	PK	132.82M	39.65	43.50	-3.85	3	Horizontal	360	1.00
2437MHz	Pass	PK	239.52M	38.94	46.00	-7.06	3	Horizontal	360	1.00
2437MHz	Pass	PK	400.54M	40.66	46.00	-5.34	3	Horizontal	360	1.00
2437MHz	Pass	PK	559.62M	37.86	46.00	-8.14	3	Horizontal	360	1.00
2437MHz	Pass	PK	881.66M	39.35	46.00	-6.65	3	Horizontal	360	1.00
2437MHz	Pass	QP	286.08M	44.17	46.00	-1.83	3	Horizontal	274	1.00

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

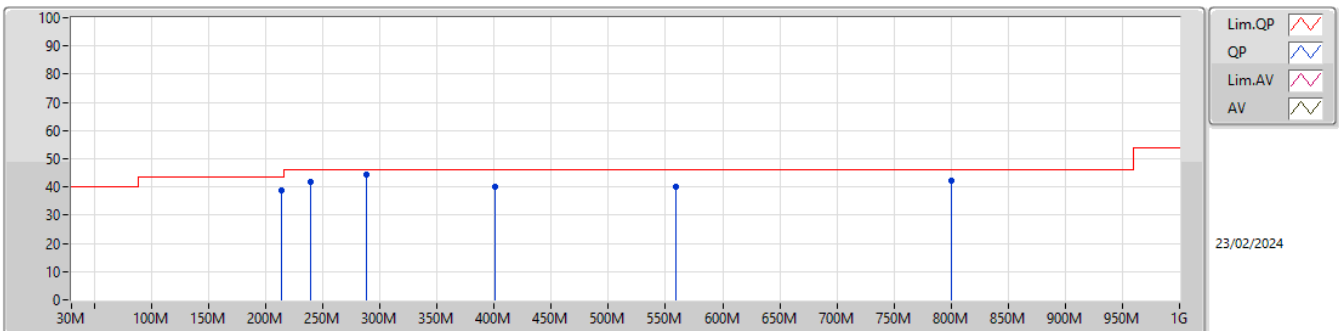
2437MHz_Adapter1



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)
PK	31.94M	33.94	40.00	-6.06	-19.29	3	Vertical	360	1.00	53.23	24.52	0.42	44.23
PK	239.52M	37.26	46.00	-8.74	-25.71	3	Vertical	360	1.00	62.97	17.44	1.05	44.20
PK	288.02M	36.21	46.00	-9.79	-23.71	3	Vertical	360	1.00	59.92	19.26	1.15	44.12
PK	400.54M	36.94	46.00	-9.06	-20.37	3	Vertical	360	1.00	57.31	22.22	1.34	43.93
PK	559.62M	39.52	46.00	-6.48	-15.46	3	Vertical	360	1.00	54.98	26.68	1.60	43.74
PK	881.66M	36.93	46.00	-9.07	-12.31	3	Vertical	360	1.00	49.24	29.10	1.98	43.39

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

2437MHz_Adapter1



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)
PK	214.3M	38.71	43.50	-4.79	-28.18	3	Horizontal	0	1.00	66.89	15.07	0.99	44.24
PK	239.52M	41.67	46.00	-4.33	-25.71	3	Horizontal	0	1.00	67.38	17.44	1.05	44.20
PK	400.54M	40.20	46.00	-5.80	-20.37	3	Horizontal	0	1.00	60.57	22.22	1.34	43.93
PK	559.62M	40.02	46.00	-5.98	-15.46	3	Horizontal	0	1.00	55.48	26.68	1.60	43.74
PK	800.18M	42.29	46.00	-3.71	-13.49	3	Horizontal	0	1.00	55.78	28.00	1.93	43.42
QP	288.02M	44.31	46.00	-1.69	-23.71	3	Horizontal	106	1.00	68.02	19.26	1.15	44.12

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	4.924G	53.88	54.00	-0.12	3	Horizontal	161	2.25
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.4835G	53.27	54.00	-0.73	3	Vertical	282	1.06
802.11n HT20_Nss1,(MCS0)_1TX	Pass	PK	2.3898G	73.96	74.00	-0.04	3	Vertical	286	1.00

Result

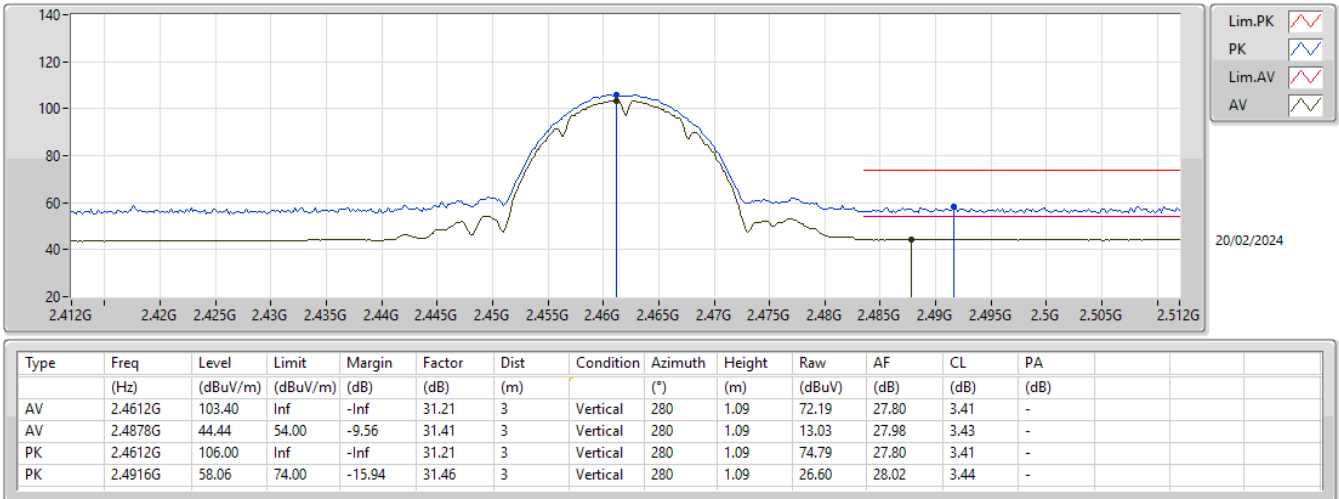
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3836G	47.82	54.00	-6.18	3	Vertical	249	1.00
2412MHz	Pass	AV	2.4128G	109.18	Inf	-Inf	3	Vertical	249	1.00
2412MHz	Pass	PK	2.3818G	59.25	74.00	-14.75	3	Vertical	249	1.00
2412MHz	Pass	PK	2.4128G	111.74	Inf	-Inf	3	Vertical	249	1.00
2412MHz	Pass	AV	2.386G	43.13	54.00	-10.87	3	Horizontal	193	1.53
2412MHz	Pass	AV	2.4112G	95.33	Inf	-Inf	3	Horizontal	193	1.53
2412MHz	Pass	PK	2.3644G	57.44	74.00	-16.56	3	Horizontal	193	1.53
2412MHz	Pass	PK	2.4112G	97.92	Inf	-Inf	3	Horizontal	193	1.53
2412MHz	Pass	AV	4.82398G	52.34	54.00	-1.66	3	Vertical	232	1.89
2412MHz	Pass	PK	4.82394G	54.36	74.00	-19.64	3	Vertical	232	1.89
2412MHz	Pass	AV	4.82398G	53.77	54.00	-0.23	3	Horizontal	174	1.00
2412MHz	Pass	PK	4.82404G	55.62	74.00	-18.38	3	Horizontal	174	1.00
2417MHz	Pass	AV	2.389G	44.35	54.00	-9.65	3	Vertical	283	1.07
2417MHz	Pass	AV	2.4178G	104.50	Inf	-Inf	3	Vertical	283	1.07
2417MHz	Pass	PK	2.3788G	57.63	74.00	-16.37	3	Vertical	283	1.07
2417MHz	Pass	PK	2.4178G	107.07	Inf	-Inf	3	Vertical	283	1.07
2417MHz	Pass	AV	2.3892G	43.04	54.00	-10.96	3	Horizontal	158	2.40
2417MHz	Pass	AV	2.4162G	93.20	Inf	-Inf	3	Horizontal	158	2.40
2417MHz	Pass	PK	2.376G	57.09	74.00	-16.91	3	Horizontal	158	2.40
2417MHz	Pass	PK	2.4162G	95.80	Inf	-Inf	3	Horizontal	158	2.40
2417MHz	Pass	AV	4.834G	52.73	54.00	-1.27	3	Vertical	176	1.73
2417MHz	Pass	PK	4.83398G	54.78	74.00	-19.22	3	Vertical	176	1.73
2417MHz	Pass	AV	4.83398G	53.59	54.00	-0.41	3	Horizontal	174	1.00
2417MHz	Pass	PK	4.834G	55.47	74.00	-18.53	3	Horizontal	174	1.00
2437MHz	Pass	AV	2.3898G	43.26	54.00	-10.74	3	Vertical	277	1.23
2437MHz	Pass	AV	2.4362G	103.84	Inf	-Inf	3	Vertical	277	1.23
2437MHz	Pass	AV	2.4922G	44.06	54.00	-9.94	3	Vertical	277	1.23
2437MHz	Pass	PK	2.387G	57.08	74.00	-16.92	3	Vertical	277	1.23
2437MHz	Pass	PK	2.4362G	106.40	Inf	-Inf	3	Vertical	277	1.23
2437MHz	Pass	PK	2.4846G	57.73	74.00	-16.27	3	Vertical	277	1.23
2437MHz	Pass	AV	2.3798G	42.98	54.00	-11.02	3	Horizontal	13	1.07
2437MHz	Pass	AV	2.4362G	91.05	Inf	-Inf	3	Horizontal	13	1.07
2437MHz	Pass	AV	2.4982G	43.77	54.00	-10.23	3	Horizontal	13	1.07
2437MHz	Pass	PK	2.355G	56.65	74.00	-17.35	3	Horizontal	13	1.07
2437MHz	Pass	PK	2.4362G	93.69	Inf	-Inf	3	Horizontal	13	1.07
2437MHz	Pass	PK	2.4954G	56.96	74.00	-17.04	3	Horizontal	13	1.07
2437MHz	Pass	AV	4.874G	51.03	54.00	-2.97	3	Vertical	172	1.57
2437MHz	Pass	PK	4.87404G	53.40	74.00	-20.60	3	Vertical	172	1.57
2437MHz	Pass	AV	4.874G	53.53	54.00	-0.47	3	Horizontal	161	2.52
2437MHz	Pass	PK	4.87388G	55.58	74.00	-18.42	3	Horizontal	161	2.52
2462MHz	Pass	AV	2.4612G	103.40	Inf	-Inf	3	Vertical	280	1.09
2462MHz	Pass	AV	2.4878G	44.44	54.00	-9.56	3	Vertical	280	1.09
2462MHz	Pass	PK	2.4612G	106.00	Inf	-Inf	3	Vertical	280	1.09
2462MHz	Pass	PK	2.4916G	58.06	74.00	-15.94	3	Vertical	280	1.09
2462MHz	Pass	AV	2.4612G	91.45	Inf	-Inf	3	Horizontal	12	1.02
2462MHz	Pass	AV	2.4978G	43.87	54.00	-10.13	3	Horizontal	12	1.02
2462MHz	Pass	PK	2.4612G	94.08	Inf	-Inf	3	Horizontal	12	1.02
2462MHz	Pass	PK	2.485G	57.34	74.00	-16.66	3	Horizontal	12	1.02
2462MHz	Pass	AV	4.924G	52.73	54.00	-1.27	3	Vertical	174	1.43
2462MHz	Pass	PK	4.92388G	54.79	74.00	-19.21	3	Vertical	174	1.43
2462MHz	Pass	AV	4.924G	53.88	54.00	-0.12	3	Horizontal	161	2.25
2462MHz	Pass	PK	4.92396G	55.82	74.00	-18.18	3	Horizontal	161	2.25
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.24	54.00	-0.76	3	Vertical	283	1.00
2412MHz	Pass	AV	2.4114G	100.79	Inf	-Inf	3	Vertical	283	1.00
2412MHz	Pass	PK	2.3898G	70.71	74.00	-3.29	3	Vertical	283	1.00
2412MHz	Pass	PK	2.412G	111.19	Inf	-Inf	3	Vertical	283	1.00
2412MHz	Pass	AV	2.39G	44.76	54.00	-9.24	3	Horizontal	159	2.39
2412MHz	Pass	AV	2.4126G	89.83	Inf	-Inf	3	Horizontal	159	2.39
2412MHz	Pass	PK	2.3898G	59.89	74.00	-14.11	3	Horizontal	159	2.39

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2412MHz	Pass	PK	2.4138G	99.94	Inf	-Inf	3	Horizontal	159	2.39
2412MHz	Pass	AV	4.82394G	35.34	54.00	-18.66	3	Vertical	227	2.10
2412MHz	Pass	PK	4.82472G	50.10	74.00	-23.90	3	Vertical	227	2.10
2412MHz	Pass	AV	4.82442G	37.46	54.00	-16.54	3	Horizontal	175	1.00
2412MHz	Pass	PK	4.82814G	51.99	74.00	-22.01	3	Horizontal	175	1.00
2417MHz	Pass	AV	2.39G	51.57	54.00	-2.43	3	Vertical	285	1.00
2417MHz	Pass	AV	2.416G	102.41	Inf	-Inf	3	Vertical	285	1.00
2417MHz	Pass	PK	2.3898G	71.63	74.00	-2.37	3	Vertical	285	1.00
2417MHz	Pass	PK	2.4182G	113.25	Inf	-Inf	3	Vertical	285	1.00
2417MHz	Pass	AV	2.39G	44.04	54.00	-9.96	3	Horizontal	158	2.41
2417MHz	Pass	AV	2.4164G	90.89	Inf	-Inf	3	Horizontal	158	2.41
2417MHz	Pass	PK	2.389G	59.90	74.00	-14.10	3	Horizontal	158	2.41
2417MHz	Pass	PK	2.418G	102.05	Inf	-Inf	3	Horizontal	158	2.41
2437MHz	Pass	AV	2.3898G	45.45	54.00	-8.55	3	Vertical	243	1.00
2437MHz	Pass	AV	2.4362G	103.44	Inf	-Inf	3	Vertical	243	1.00
2437MHz	Pass	AV	2.4835G	45.92	54.00	-8.08	3	Vertical	243	1.00
2437MHz	Pass	PK	2.389G	60.54	74.00	-13.46	3	Vertical	243	1.00
2437MHz	Pass	PK	2.4354G	114.08	Inf	-Inf	3	Vertical	243	1.00
2437MHz	Pass	PK	2.4942G	63.97	74.00	-10.03	3	Vertical	243	1.00
2437MHz	Pass	AV	2.389G	43.13	54.00	-10.87	3	Horizontal	10	1.03
2437MHz	Pass	AV	2.4358G	90.12	Inf	-Inf	3	Horizontal	10	1.03
2437MHz	Pass	AV	2.4994G	43.86	54.00	-10.14	3	Horizontal	10	1.03
2437MHz	Pass	PK	2.3866G	56.62	74.00	-17.38	3	Horizontal	10	1.03
2437MHz	Pass	PK	2.4358G	100.54	Inf	-Inf	3	Horizontal	10	1.03
2437MHz	Pass	PK	2.4862G	57.53	74.00	-16.47	3	Horizontal	10	1.03
2437MHz	Pass	AV	4.8736G	36.89	54.00	-17.11	3	Vertical	173	1.56
2437MHz	Pass	PK	4.86936G	51.62	74.00	-22.38	3	Vertical	173	1.56
2437MHz	Pass	AV	4.87504G	34.35	54.00	-19.65	3	Horizontal	110	1.27
2437MHz	Pass	PK	4.87312G	49.05	74.00	-24.95	3	Horizontal	110	1.27
2457MHz	Pass	AV	2.4562G	103.15	Inf	-Inf	3	Vertical	280	1.07
2457MHz	Pass	AV	2.4835G	51.72	54.00	-2.28	3	Vertical	280	1.07
2457MHz	Pass	PK	2.4544G	113.78	Inf	-Inf	3	Vertical	280	1.07
2457MHz	Pass	PK	2.4858G	71.70	74.00	-2.30	3	Vertical	280	1.07
2457MHz	Pass	AV	2.4578G	90.27	Inf	-Inf	3	Horizontal	15	1.00
2457MHz	Pass	AV	2.4835G	44.92	54.00	-9.08	3	Horizontal	15	1.00
2457MHz	Pass	PK	2.4572G	100.63	Inf	-Inf	3	Horizontal	15	1.00
2457MHz	Pass	PK	2.4854G	60.72	74.00	-13.28	3	Horizontal	15	1.00
2462MHz	Pass	AV	2.4614G	100.87	Inf	-Inf	3	Vertical	282	1.06
2462MHz	Pass	AV	2.4835G	53.27	54.00	-0.73	3	Vertical	282	1.06
2462MHz	Pass	PK	2.459G	111.46	Inf	-Inf	3	Vertical	282	1.06
2462MHz	Pass	PK	2.4838G	72.70	74.00	-1.30	3	Vertical	282	1.06
2462MHz	Pass	AV	2.4612G	88.62	Inf	-Inf	3	Horizontal	13	1.00
2462MHz	Pass	AV	2.4835G	45.47	54.00	-8.53	3	Horizontal	13	1.00
2462MHz	Pass	PK	2.4612G	99.22	Inf	-Inf	3	Horizontal	13	1.00
2462MHz	Pass	PK	2.4835G	62.24	74.00	-11.76	3	Horizontal	13	1.00
2462MHz	Pass	AV	4.92552G	37.96	54.00	-16.04	3	Vertical	173	1.43
2462MHz	Pass	PK	4.9208G	52.57	74.00	-21.43	3	Vertical	173	1.43
2462MHz	Pass	AV	4.92208G	39.64	54.00	-14.36	3	Horizontal	162	2.29
2462MHz	Pass	PK	4.92024G	54.07	74.00	-19.93	3	Horizontal	162	2.29
802.11n HT20_Nss1_(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.48	54.00	-0.52	3	Vertical	286	1.00
2412MHz	Pass	AV	2.4126G	99.72	Inf	-Inf	3	Vertical	286	1.00
2412MHz	Pass	PK	2.3898G	73.96	74.00	-0.04	3	Vertical	286	1.00
2412MHz	Pass	PK	2.41G	110.58	Inf	-Inf	3	Vertical	286	1.00
2412MHz	Pass	AV	2.39G	44.52	54.00	-9.48	3	Horizontal	158	2.39
2412MHz	Pass	AV	2.4128G	88.50	Inf	-Inf	3	Horizontal	158	2.39
2412MHz	Pass	PK	2.3898G	62.39	74.00	-11.61	3	Horizontal	158	2.39
2412MHz	Pass	PK	2.4134G	99.71	Inf	-Inf	3	Horizontal	158	2.39
2412MHz	Pass	AV	4.8236G	34.53	54.00	-19.47	3	Vertical	226	2.09
2412MHz	Pass	PK	4.8236G	49.18	74.00	-24.82	3	Vertical	226	2.09
2412MHz	Pass	AV	4.82336G	36.41	54.00	-17.59	3	Horizontal	175	1.03
2412MHz	Pass	PK	4.822G	51.26	74.00	-22.74	3	Horizontal	175	1.03

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2417MHz	Pass	AV	2.39G	51.24	54.00	-2.76	3	Vertical	283	1.08
2417MHz	Pass	AV	2.4184G	102.22	Inf	-Inf	3	Vertical	283	1.08
2417MHz	Pass	PK	2.39G	72.05	74.00	-1.95	3	Vertical	283	1.08
2417MHz	Pass	PK	2.4152G	113.32	Inf	-Inf	3	Vertical	283	1.08
2417MHz	Pass	AV	2.3896G	43.99	54.00	-10.01	3	Horizontal	158	2.39
2417MHz	Pass	AV	2.4158G	90.83	Inf	-Inf	3	Horizontal	158	2.39
2417MHz	Pass	PK	2.3876G	60.48	74.00	-13.52	3	Horizontal	158	2.39
2417MHz	Pass	PK	2.4148G	101.44	Inf	-Inf	3	Horizontal	158	2.39
2437MHz	Pass	AV	2.3898G	45.18	54.00	-8.82	3	Vertical	243	1.00
2437MHz	Pass	AV	2.4358G	103.09	Inf	-Inf	3	Vertical	243	1.00
2437MHz	Pass	AV	2.4835G	45.84	54.00	-8.16	3	Vertical	243	1.00
2437MHz	Pass	PK	2.3882G	59.53	74.00	-14.47	3	Vertical	243	1.00
2437MHz	Pass	PK	2.437G	113.67	Inf	-Inf	3	Vertical	243	1.00
2437MHz	Pass	PK	2.4858G	63.28	74.00	-10.72	3	Vertical	243	1.00
2437MHz	Pass	AV	2.3854G	43.09	54.00	-10.91	3	Horizontal	13	1.04
2437MHz	Pass	AV	2.4358G	90.41	Inf	-Inf	3	Horizontal	13	1.04
2437MHz	Pass	AV	2.4926G	43.86	54.00	-10.14	3	Horizontal	13	1.04
2437MHz	Pass	PK	2.3738G	57.67	74.00	-16.33	3	Horizontal	13	1.04
2437MHz	Pass	PK	2.437G	100.58	Inf	-Inf	3	Horizontal	13	1.04
2437MHz	Pass	PK	2.4994G	58.34	74.00	-15.66	3	Horizontal	13	1.04
2437MHz	Pass	AV	4.87248G	36.17	54.00	-17.83	3	Vertical	176	1.59
2437MHz	Pass	PK	4.87992G	51.00	74.00	-23.00	3	Vertical	176	1.59
2437MHz	Pass	AV	4.8748G	34.41	54.00	-19.59	3	Horizontal	111	1.70
2437MHz	Pass	PK	4.8836G	49.06	74.00	-24.94	3	Horizontal	111	1.70
2457MHz	Pass	AV	2.4562G	102.88	Inf	-Inf	3	Vertical	281	1.08
2457MHz	Pass	AV	2.4835G	51.88	54.00	-2.12	3	Vertical	281	1.08
2457MHz	Pass	PK	2.4552G	113.77	Inf	-Inf	3	Vertical	281	1.08
2457MHz	Pass	PK	2.4842G	72.73	74.00	-1.27	3	Vertical	281	1.08
2457MHz	Pass	AV	2.458G	90.14	Inf	-Inf	3	Horizontal	16	1.06
2457MHz	Pass	AV	2.4835G	45.06	54.00	-8.94	3	Horizontal	16	1.06
2457MHz	Pass	PK	2.4582G	101.05	Inf	-Inf	3	Horizontal	16	1.06
2457MHz	Pass	PK	2.487G	64.02	74.00	-9.98	3	Horizontal	16	1.06
2462MHz	Pass	AV	2.4608G	99.93	Inf	-Inf	3	Vertical	279	1.07
2462MHz	Pass	AV	2.4835G	53.39	54.00	-0.61	3	Vertical	279	1.07
2462MHz	Pass	PK	2.4606G	110.43	Inf	-Inf	3	Vertical	279	1.07
2462MHz	Pass	PK	2.484G	72.83	74.00	-1.17	3	Vertical	279	1.07
2462MHz	Pass	AV	2.4612G	87.66	Inf	-Inf	3	Horizontal	14	1.05
2462MHz	Pass	AV	2.4835G	45.69	54.00	-8.31	3	Horizontal	14	1.05
2462MHz	Pass	PK	2.4598G	98.61	Inf	-Inf	3	Horizontal	14	1.05
2462MHz	Pass	PK	2.4835G	61.31	74.00	-12.69	3	Horizontal	14	1.05
2462MHz	Pass	AV	4.9244G	36.80	54.00	-17.20	3	Vertical	174	1.43
2462MHz	Pass	PK	4.92328G	51.74	74.00	-22.26	3	Vertical	174	1.43
2462MHz	Pass	AV	4.92184G	38.38	54.00	-15.62	3	Horizontal	162	2.28
2462MHz	Pass	PK	4.92728G	53.49	74.00	-20.51	3	Horizontal	162	2.28

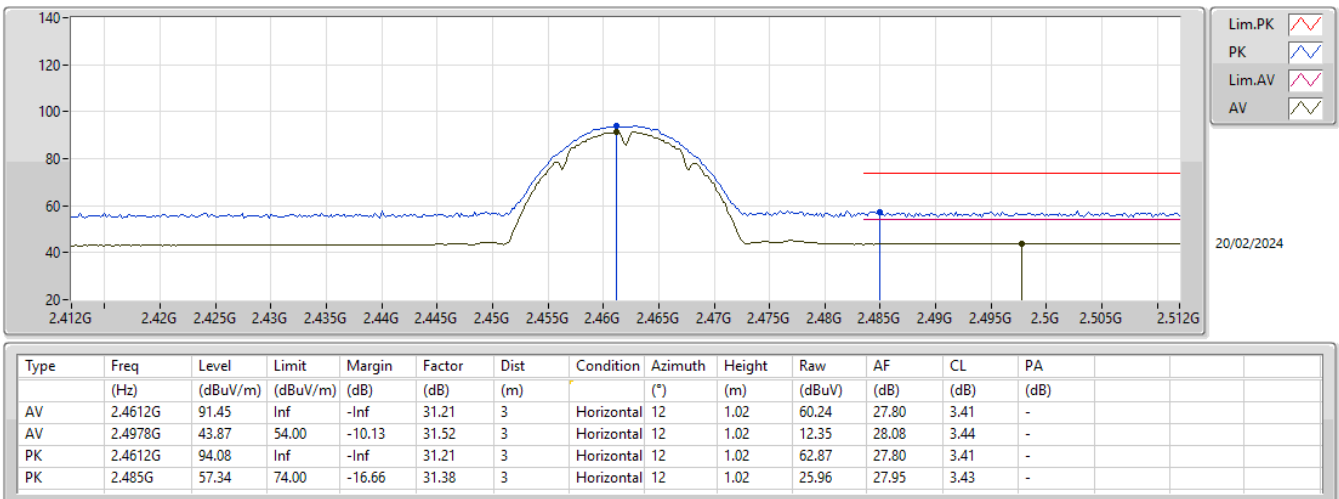
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX



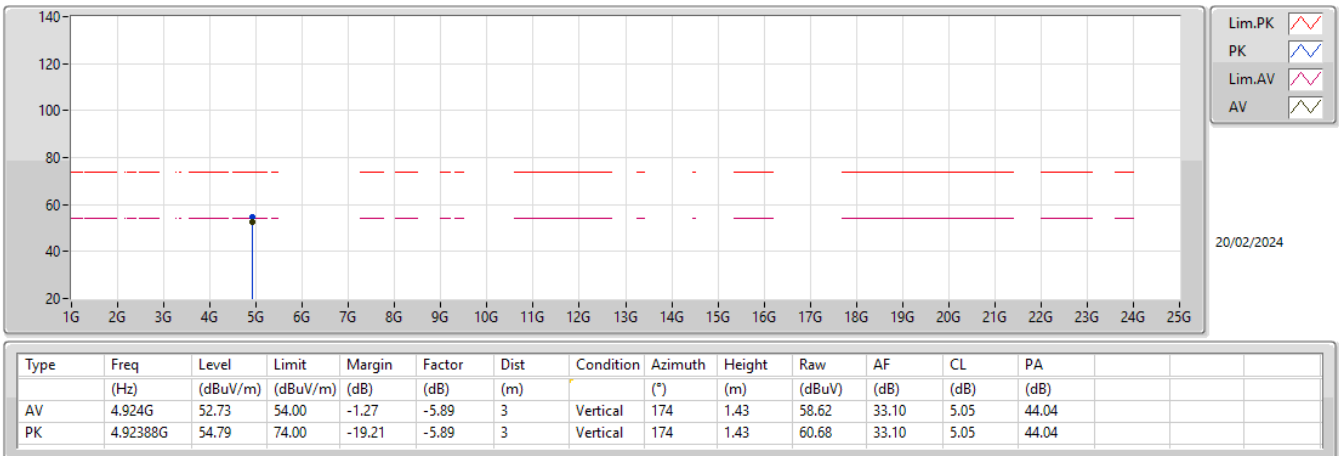
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2462MHz_TX



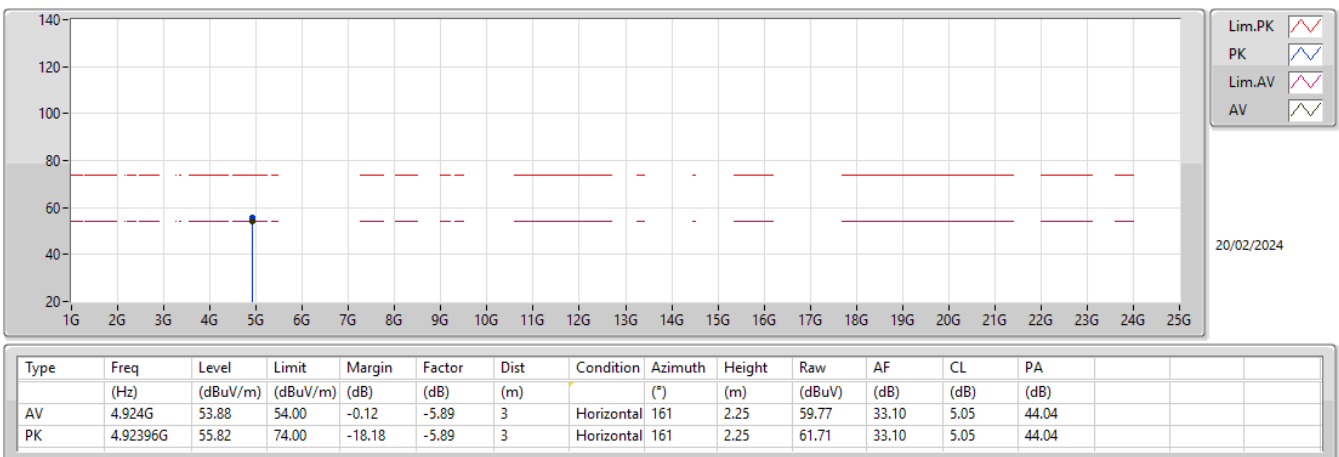
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2462MHz_TX



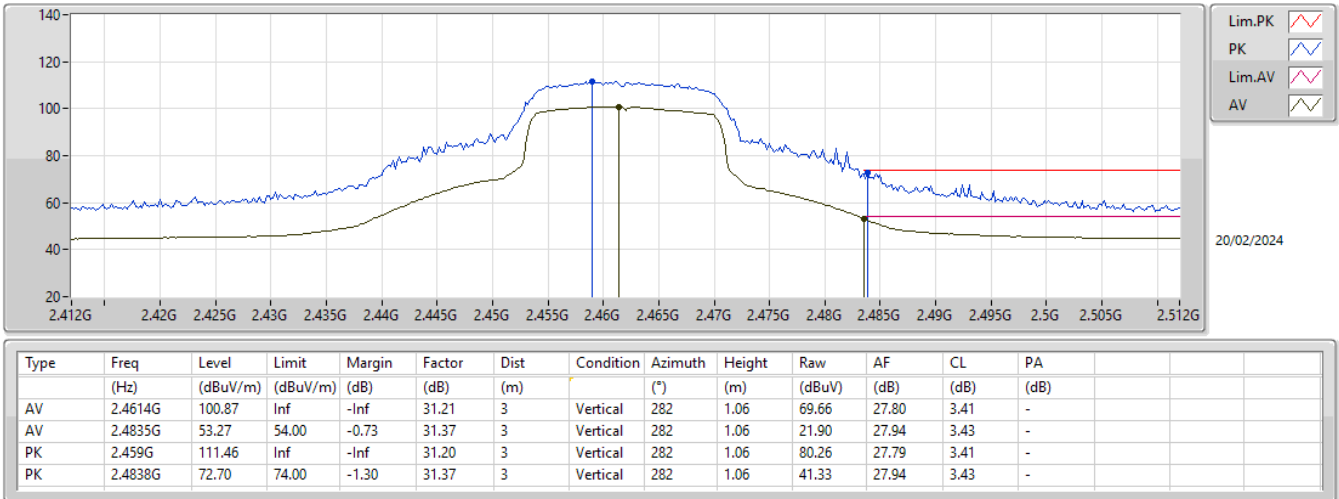
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2462MHz_TX



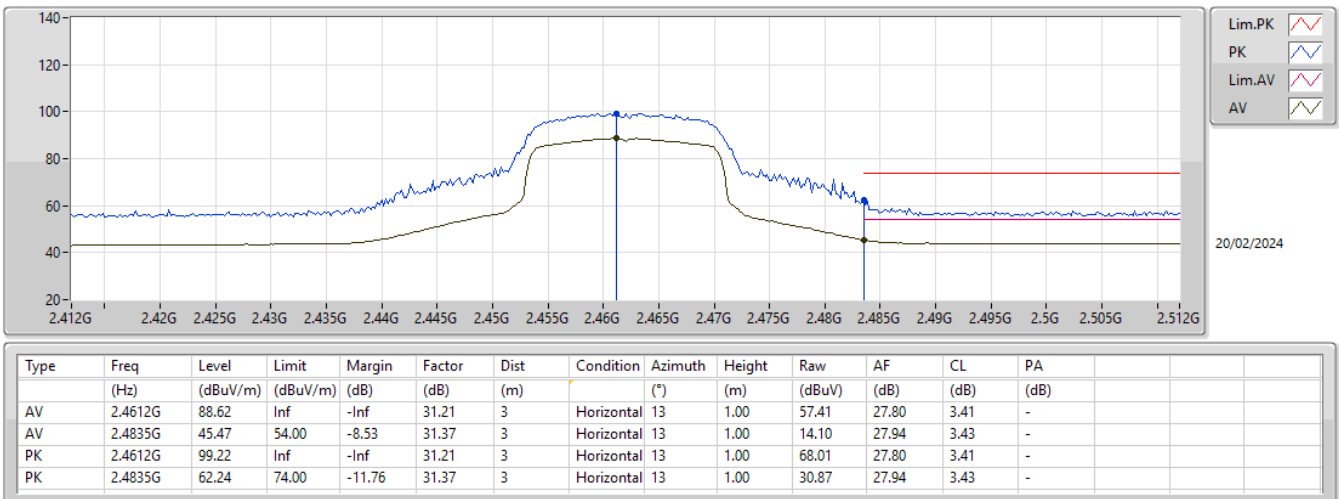
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX



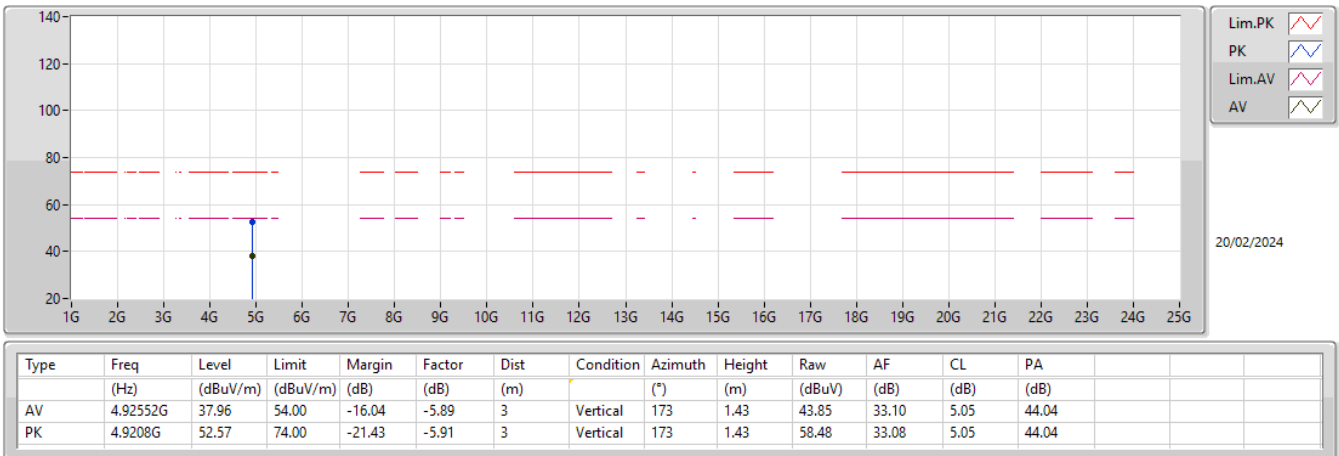
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2462MHz_TX



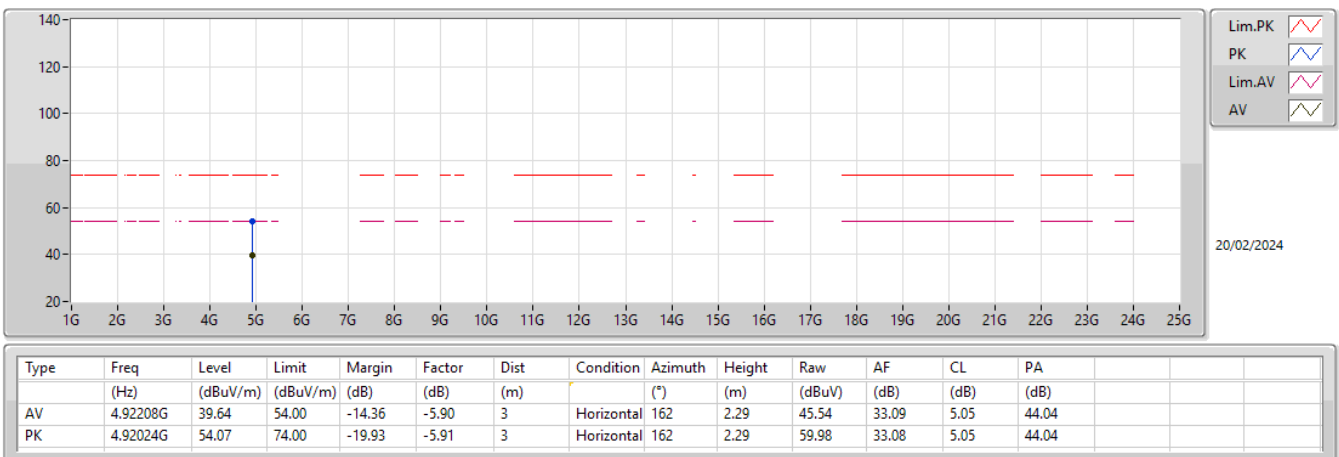
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2462MHz_TX



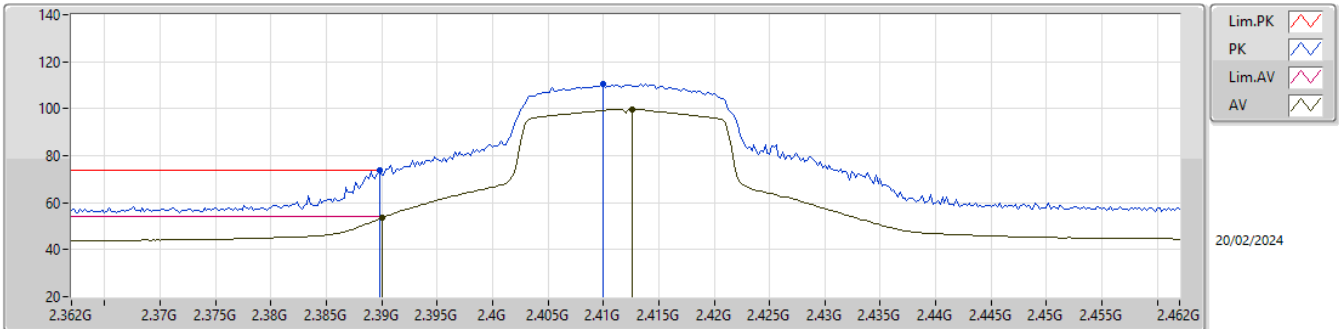
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX



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

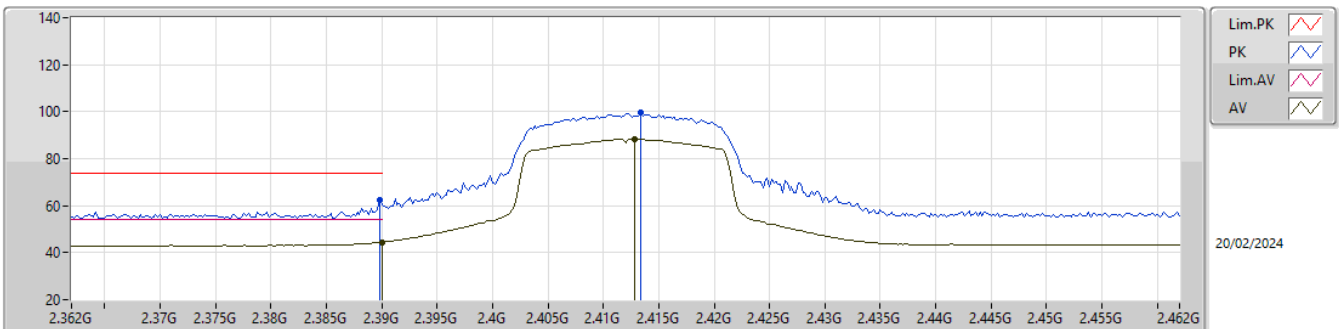
2412MHz_TX



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	53.48	54.00	-0.52	30.85	3	Vertical	286	1.00	22.63	27.50	3.35	-
AV	2.4126G	99.72	Inf	-Inf	30.90	3	Vertical	286	1.00	68.82	27.53	3.37	-
PK	2.3898G	73.96	74.00	-0.04	30.85	3	Vertical	286	1.00	43.11	27.50	3.35	-
PK	2.41G	110.58	Inf	-Inf	30.87	3	Vertical	286	1.00	79.71	27.50	3.37	-

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

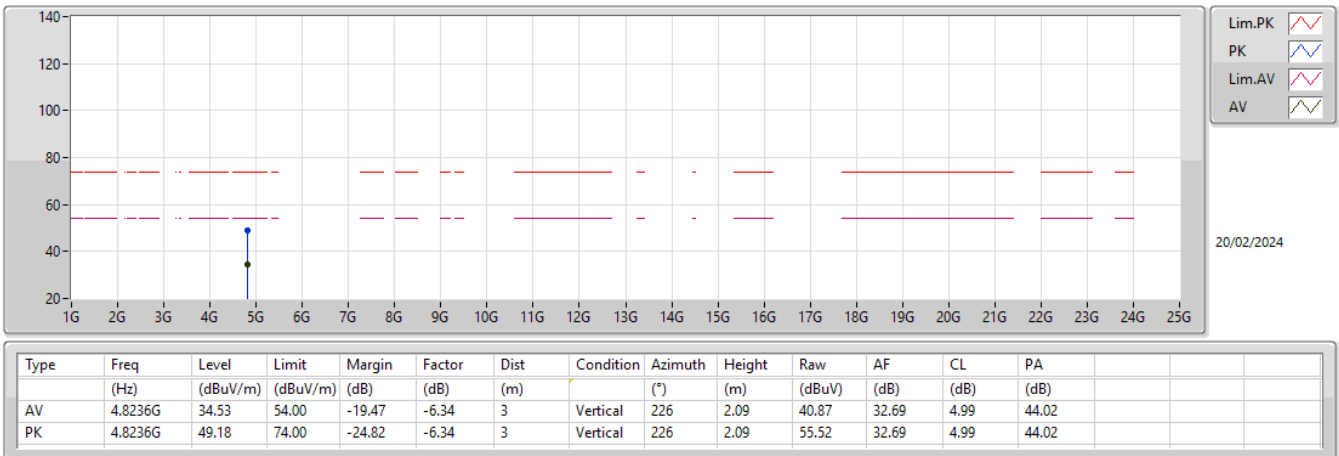
2412MHz_TX



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	44.52	54.00	-9.48	30.85	3	Horizontal	158	2.39	13.67	27.50	3.35	-
AV	2.4128G	88.50	Inf	-Inf	30.90	3	Horizontal	158	2.39	57.60	27.53	3.37	-
PK	2.3898G	62.39	74.00	-11.61	30.85	3	Horizontal	158	2.39	31.54	27.50	3.35	-
PK	2.4134G	99.71	Inf	-Inf	30.90	3	Horizontal	158	2.39	68.81	27.53	3.37	-

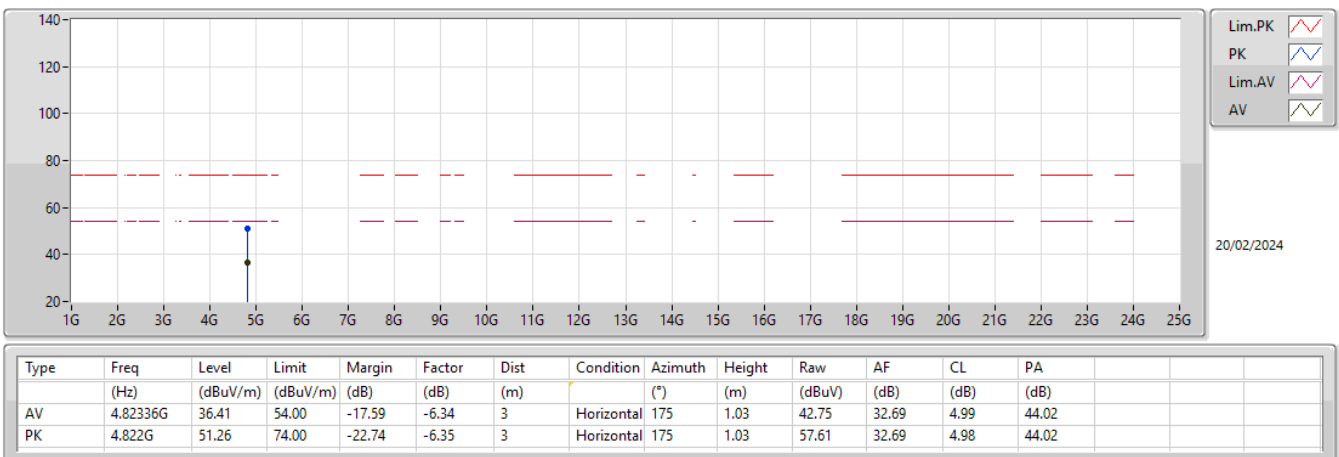
2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX



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

2412MHz_TX





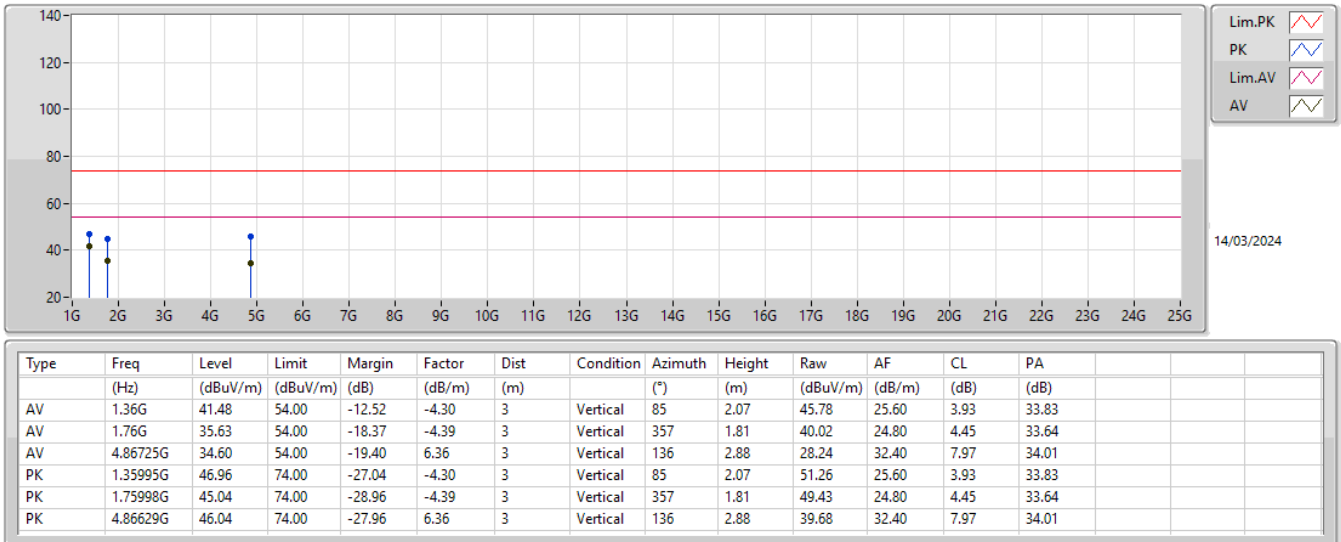
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.36G	41.48	54.00	-12.52	Vertical
Mode 2	Pass	AV	1.35999G	42.46	54.00	-11.54	Vertical

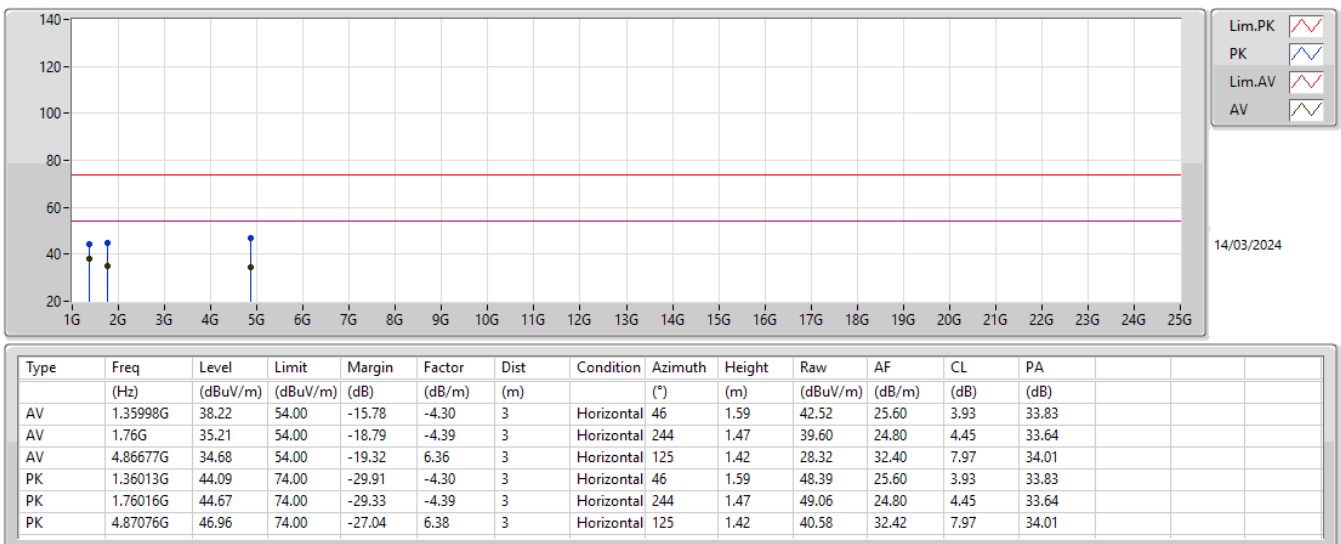
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	1.36G	41.48	54.00	-12.52	3	Vertical	85	2.07
Mode 1	Pass	AV	1.76G	35.63	54.00	-18.37	3	Vertical	357	1.81
Mode 1	Pass	AV	4.86725G	34.60	54.00	-19.40	3	Vertical	136	2.88
Mode 1	Pass	PK	1.35995G	46.96	74.00	-27.04	3	Vertical	85	2.07
Mode 1	Pass	PK	1.75998G	45.04	74.00	-28.96	3	Vertical	357	1.81
Mode 1	Pass	PK	4.86629G	46.04	74.00	-27.96	3	Vertical	136	2.88
Mode 1	Pass	AV	1.35998G	38.22	54.00	-15.78	3	Horizontal	46	1.59
Mode 1	Pass	AV	1.76G	35.21	54.00	-18.79	3	Horizontal	244	1.47
Mode 1	Pass	AV	4.86677G	34.68	54.00	-19.32	3	Horizontal	125	1.42
Mode 1	Pass	PK	1.36013G	44.09	74.00	-29.91	3	Horizontal	46	1.59
Mode 1	Pass	PK	1.76016G	44.67	74.00	-29.33	3	Horizontal	244	1.47
Mode 1	Pass	PK	4.87076G	46.96	74.00	-27.04	3	Horizontal	125	1.42
Mode 2	Pass	AV	1.35999G	42.46	54.00	-11.54	3	Vertical	69	1.84
Mode 2	Pass	AV	1.59999G	36.17	54.00	-17.83	3	Vertical	328	1.00
Mode 2	Pass	AV	10.40445G	43.30	68.20	-24.90	3	Vertical	346	2.28
Mode 2	Pass	PK	1.36002G	47.10	74.00	-26.90	3	Vertical	69	1.84
Mode 2	Pass	PK	1.6001G	46.61	74.00	-27.39	3	Vertical	328	1.00
Mode 2	Pass	PK	10.39553G	55.84	68.20	-12.36	3	Vertical	346	2.28
Mode 2	Pass	AV	1.35999G	38.57	54.00	-15.43	3	Horizontal	49	1.16
Mode 2	Pass	AV	1.59996G	37.40	54.00	-16.60	3	Horizontal	58	1.24
Mode 2	Pass	AV	10.40467G	43.15	68.20	-25.05	3	Horizontal	303	1.74
Mode 2	Pass	PK	1.35999G	45.25	74.00	-28.75	3	Horizontal	49	1.16
Mode 2	Pass	PK	1.60001G	46.74	74.00	-27.26	3	Horizontal	58	1.24
Mode 2	Pass	PK	10.40258G	56.06	68.20	-12.14	3	Horizontal	303	1.74

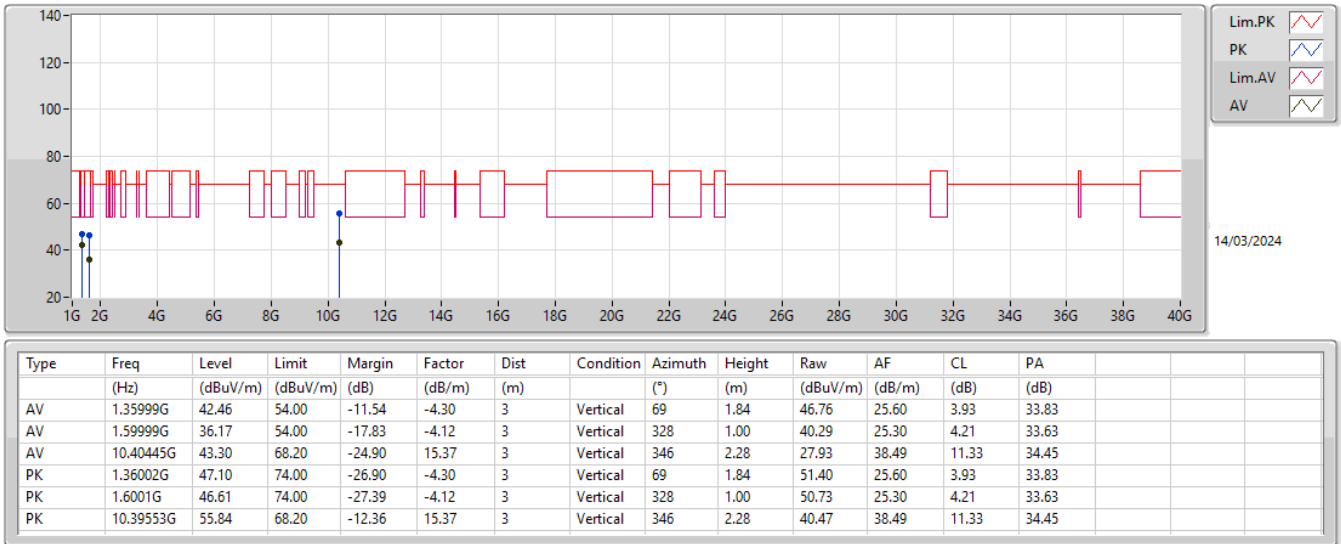
Radiated Emissions above 1GHz_Mode 1



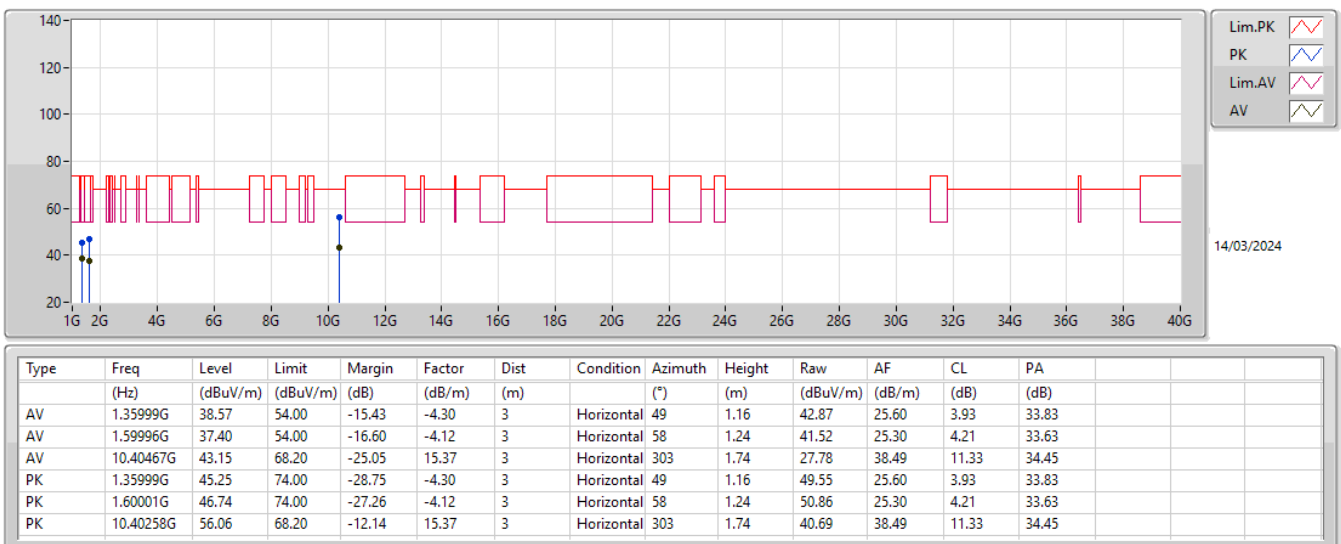
Radiated Emissions above 1GHz_Mode 1



Radiated Emissions above 1GHz_Mode 2



Radiated Emissions above 1GHz_Mode 2



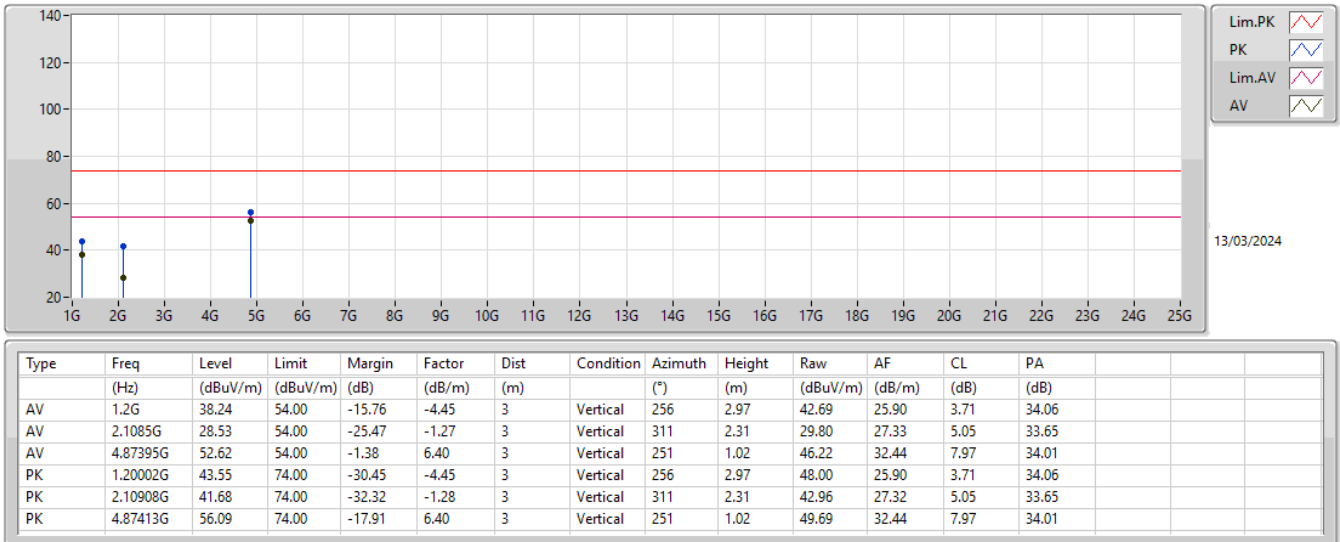
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	4.87395G	52.62	54.00	-1.38	Vertical
Mode 2	Pass	PK	10.40439G	56.28	68.20	-11.92	Horizontal

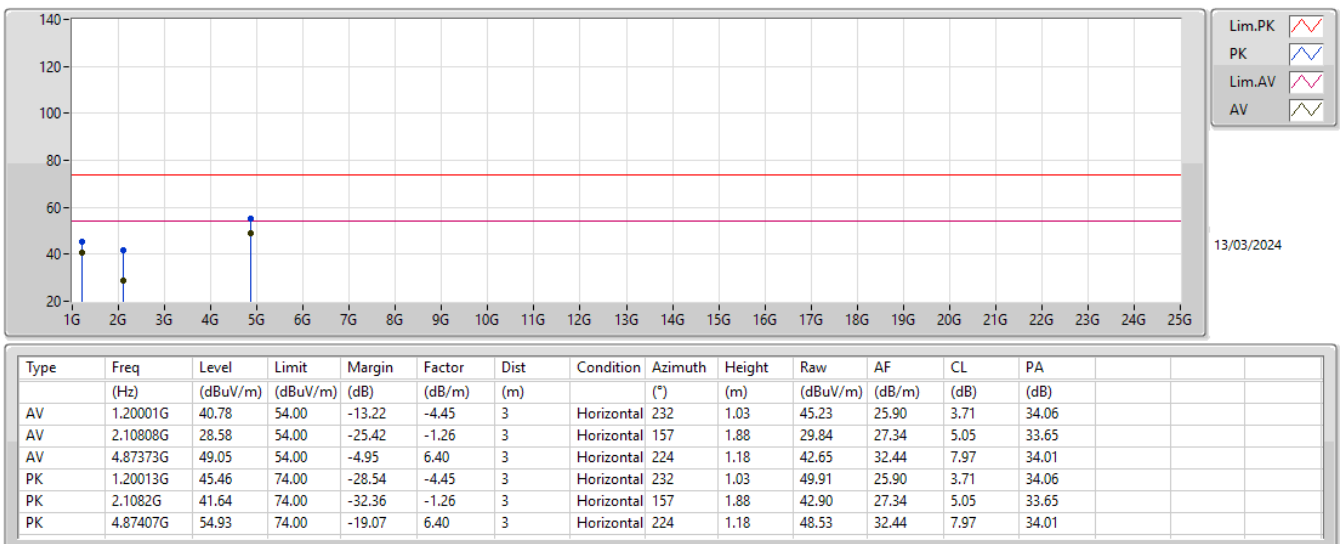
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	1.2G	38.24	54.00	-15.76	3	Vertical	256	2.97
Mode 1	Pass	AV	2.1085G	28.53	54.00	-25.47	3	Vertical	311	2.31
Mode 1	Pass	AV	4.87395G	52.62	54.00	-1.38	3	Vertical	251	1.02
Mode 1	Pass	PK	1.20002G	43.55	74.00	-30.45	3	Vertical	256	2.97
Mode 1	Pass	PK	2.10908G	41.68	74.00	-32.32	3	Vertical	311	2.31
Mode 1	Pass	PK	4.87413G	56.09	74.00	-17.91	3	Vertical	251	1.02
Mode 1	Pass	AV	1.20001G	40.78	54.00	-13.22	3	Horizontal	232	1.03
Mode 1	Pass	AV	2.10808G	28.58	54.00	-25.42	3	Horizontal	157	1.88
Mode 1	Pass	AV	4.87373G	49.05	54.00	-4.95	3	Horizontal	224	1.18
Mode 1	Pass	PK	1.20013G	45.46	74.00	-28.54	3	Horizontal	232	1.03
Mode 1	Pass	PK	2.1082G	41.64	74.00	-32.36	3	Horizontal	157	1.88
Mode 1	Pass	PK	4.87407G	54.93	74.00	-19.07	3	Horizontal	224	1.18
Mode 2	Pass	AV	1.20004G	36.57	54.00	-17.43	3	Vertical	258	2.97
Mode 2	Pass	AV	4.04196G	32.05	54.00	-21.95	3	Vertical	306	1.97
Mode 2	Pass	AV	10.40377G	42.98	68.20	-25.22	3	Vertical	141	2.00
Mode 2	Pass	PK	1.20005G	42.93	74.00	-31.07	3	Vertical	258	2.97
Mode 2	Pass	PK	4.04116G	44.62	74.00	-29.38	3	Vertical	306	1.97
Mode 2	Pass	PK	10.39715G	55.33	68.20	-12.87	3	Vertical	141	2.00
Mode 2	Pass	AV	1.20001G	38.88	54.00	-15.12	3	Horizontal	231	1.06
Mode 2	Pass	AV	3.89988G	32.59	54.00	-21.41	3	Horizontal	169	1.70
Mode 2	Pass	AV	10.40439G	42.90	68.20	-25.30	3	Horizontal	172	1.10
Mode 2	Pass	PK	1.20005G	44.79	74.00	-29.21	3	Horizontal	231	1.06
Mode 2	Pass	PK	3.90271G	45.13	74.00	-28.87	3	Horizontal	169	1.70
Mode 2	Pass	PK	10.40439G	56.28	68.20	-11.92	3	Horizontal	172	1.10

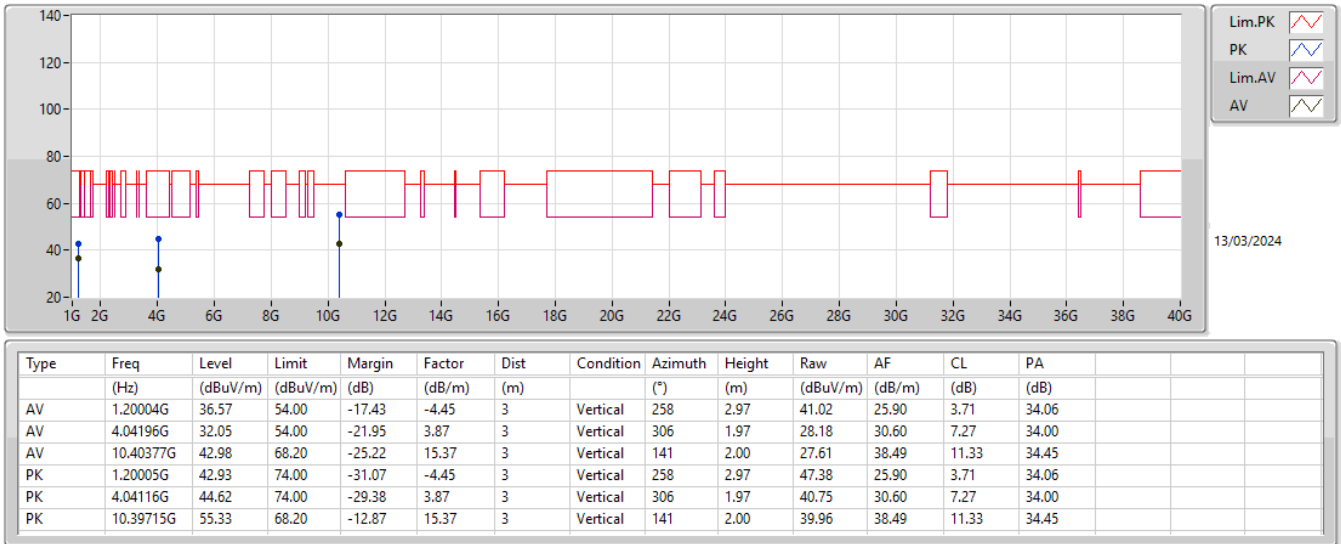
Radiated Emissions above 1GHz_Mode 1



Radiated Emissions above 1GHz_Mode 1



Radiated Emissions above 1GHz_Mode 2



Radiated Emissions above 1GHz_Mode 2

