

FCC Test Report

FCC ID : UDX-600216010
Equipment : Cisco Wireless 9179F Series Wi-Fi 7 Access Point
Brand Name : CISCO
Model Name : CW9179F
Applicant : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Manufacturer : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Standard : 47 CFR FCC Part 15.517

The product was received on Nov. 29, 2024, and testing was started from Dec. 24, 2024 and completed on Dec. 28, 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.)



Table of Contents

HISTORY OF THIS TEST REPORT	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Information.....	5
1.2 Testing Applied Standards	8
1.3 Testing Location Information	8
1.4 Measurement Uncertainty	8
2 TEST CONFIGURATION OF EUT.....	9
2.1 Test Condition	9
2.2 The Worst Case Configuration	9
2.3 The Worst Case Power Setting Parameter	9
2.4 The Worst Case Measurement Configuration.....	9
2.5 Accessories	10
2.6 Support Equipment.....	10
2.7 Test Setup Diagram	11
3 TRANSMITTER TEST RESULT	12
3.1 AC Power-line Conducted Emissions	12
3.2 UWB bandwidth.....	14
3.3 Peak Emissions within a 50 MHz Bandwidth	15
3.4 Radiated Emissions.....	16
4 TEST EQUIPMENT AND CALIBRATION DATA	19
APPENDIX A. TEST RESULT OF AC POWER-LINE CONDUCTED EMISSIONS	
APPENDIX B. TEST RESULT OF UWB BANDWIDTH	
APPENDIX C. TEST RESULT OF PEAK EMISSIONS WITHIN A 50MHZ BANDWIDTH	
APPENDIX D. TEST RESULT OF RADIATED EMISSIONS	
APPENDIX E. TEST PHOTOS	
PHOTOGRAPHS OF EUT V01	

History of this test report

[illegible]

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
1.1.5	15.517(a)	Operational Restriction	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.503 (d) /15.517(b)	UWB Bandwidth	PASS	-
3.3	15.517(e)	Peak Emissions within a 50 MHz Bandwidth	PASS	-
3.4	15.517(c) /15.517(d)	Radiated Emissions	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:

According to FCC §15.521(c), emission from digital circuitry used to enable the operation of the UWB transmitter shall comply with the limits in § 15.209. Limit for given spurs at 999.74MHz & 999.75MHz/1GHz & 1.6GHz is 500uV/m, which is 53.98dBuV/m. Relative to this limit the spurs are PASS.

Reviewed by: Sam Tsai

Report Producer: Debby Hung

1 General Description

1.1 Information

1.1.1 RF General Information

<BPRF#03>

RF General Information					
Frequency Range (GHz)	Mode	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N _{TX})	EIRP (dBm/50MHz)
3.1-10.6	UWB	7987.2	9	1	-0.14
Note 1: TransferJet uses Pi/2 shift BPSK + DSSS modulation.					

Band	Mode	BWch	Nant
3.1-10.6GHz	Ultra Wide Band	499.2	1TX

<HPRF#1>

RF General Information					
Frequency Range (GHz)	Mode	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N _{TX})	EIRP (dBm/50MHz)
3.1-10.6	UWB	7987.2	9	1	-5.51
Note 1: TransferJet uses Pi/2 shift BPSK + DSSS modulation.					

Band	Mode	BWch	Nant
3.1-10.6GHz	Ultra Wide Band	499.2	1TX

<HPRF#16>

RF General Information					
Frequency Range (GHz)	Mode	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N _{TX})	EIRP (dBm/50MHz)
3.1-10.6	UWB	7987.2	9	1	-5.37
Note 1: TransferJet uses Pi/2 shift BPSK + DSSS modulation.					

Band	Mode	BWch	Nant
3.1-10.6GHz	Ultra Wide Band	499.2	1TX

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Support	Gain (dBi)	Remark
1	2	WNC	57XPAD15.OAU	Patch	I-Pex	UWB	8.2	Radio 7
2	1	WNC	57XPAD15.OAU	Patch	I-Pex	UWB	8.6	Radio 7

For UWB function: (1TX)

Ant. 2 (port 1) could transmit.

For UWB function: (2RX)

Ant. 1 (port 2) and Ant. 2 (port 1) could receive.

1.1.3 Type of EUT

Operational Condition	
EUT Power Type	From PoE
SN	WNT284603DK
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 Test Signal Duty Cycle

BPRF#3

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
Ultra Wide Band_Nss 1,(BRF#03)	0.159	7.99	318.125u	5k

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

HPRF#1

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
Ultra Wide Band_Nss 1,(HPRF#1)	0.5	3.01	999.688u	2k

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

HPRF#16

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
Ultra Wide Band_Nss 1,(HPRF#16)	0.499	3.02	998.75u	2k

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

1.1.5 Operational Restriction

Operation Restriction	Informed the applicant	Not applicable	User Manual Informed	Passed
☒ Indoor UWB devices & Fixed indoor infrastructure				
Must be capable of operation only indoors. The necessity to operate with a fixed indoor infrastructure. [A transmitter that had been connected to the AC power lines and operates solely through the AC mains. Or The device under test operates solely through USB port of a PC. It is not intended to operate from any other power source and be considered sufficient to demonstrate a fixed indoor infrastructure]	☒	☐	☐	☒
☒ Emissions from equipment				
The emissions from equipment operated shall not be intentionally directed outside of the building in which the equipment is located, such as through a window or a doorway, to perform an outside function, such as the detection of persons about to enter a building. [The applicant has been informed of this requirement.]	☒	☐	☐	☒
☒ Outdoor mounted antennas				
The use of outdoor mounted antennas, e.g., antennas mounted on the outside of a building or on a telephone pole, or any other outdoors infrastructure is prohibited. [The applicant has been informed without any outdoor mounted antennas.]	☒	☐	☐	☒
☒ Field disturbance sensors install				
Field disturbance sensors installed inside of metal or underground storage tanks are considered to operate indoors provided the emissions are directed towards the ground. [Not applicable for this client.]	☐	☒	☐	☒
☒ A communications system shall transmit only				
A communications system shall transmit only when the intentional radiator is sending information to an associated receiver. [The applicant has been informed of this requirement and is clearly stated on the user manual.]	☒	☐	☒	☐

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 393764 D01 v02
- ♦ KDB 412172 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	21.2~22.6°C / 55~58%	28/Dec/2024
Radiated	03CH02-HY	Vasari Huang	21.3~23.4°C / 51~56%	24/Dec/2024~26/Dec/2024
☐ Wen 33rd. St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: 886-3-318-0787 FAX: 886-3-318-0287			
Test site Designation No. TW0008 with FCC.				

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
AC Power-line Conducted Emissions	3.34 dB	Confidence levels of 95%
UWB Bandwidth	0.13 MHz	Confidence levels of 95%
Unwanted Emissions (9 kHz ~ 30 MHz)	2.5 dB	Confidence levels of 95%
Unwanted Emissions (30 MHz ~ 1 GHz)	4.8 dB	Confidence levels of 95%
Unwanted Emissions (1 GHz ~ 18 GHz)	4.2 dB	Confidence levels of 95%
Unwanted Emissions (18 GHz ~ 40 GHz)	4.1 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V

2.2 The Worst Case Configuration

Worst Modulation Used for Conformance Testing		
Mode	Transmit Chains (N _{TX})	Test Channel Frequencies (MHz)
UWB	1	7987.2

2.3 The Worse Case Power Setting Parameter

Test Software Version	Putty Release 0.62
-----------------------	--------------------

BPRF#3

Mode	Power Setting
Ultra Wide Band_Nss1_1TX	-
7987.2MHz	6D

HPRF#1

Mode	Power Setting
Ultra Wide Band_Nss1_1TX	-
7987.2MHz	76

HPRF#16

Mode	Power Setting
Ultra Wide Band_Nss1_1TX	-
7987.2MHz	81

2.4 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
Operating Mode	PoE mode (CTX)
1	BPRF#3
2	HPRF#1
3	HPRF#16

The Worst Case Mode for Following Conformance Tests			
Tests Item	UWB Bandwidth, Peak Emissions within a 50 MHz Bandwidth, Radiated Emissions		
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	PoE mode (CTX)		
1	BPRF#03		
2	HPRF#1		
3	HPRF#16		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT	V		

2.5 Accessories

Optional Shipping Information	Brand	Model
Bracket	CISCO	700-136432-01 R01
IO Bazel	CISCO	53-101875-01

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

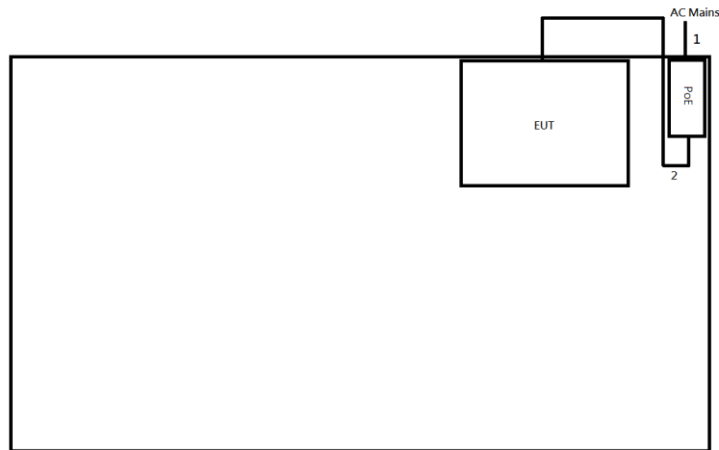
2.6 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ45 cable	Power Sync	CAT-6E-03	-	-
2	PoE	CISCO	MA-INJ-4	-	-
3	AC Power Cable	Power Sync	PW-GPC180-3	-	-

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ45 cable	Power Sync	CAT-6E-03	-	-
2	PoE	CISCO	MA-INJ-4	-	-
3	AC Power Cable	Power Sync	PW-GPC180-3	-	-

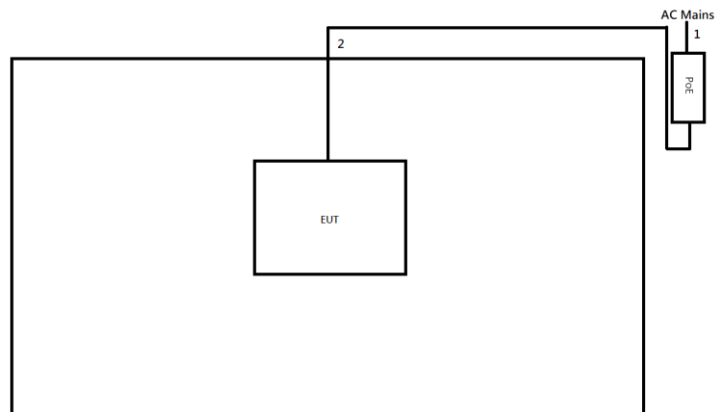
2.7 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	RJ45 Cable	No	3.0	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	RJ45 Cable	No	3.0	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

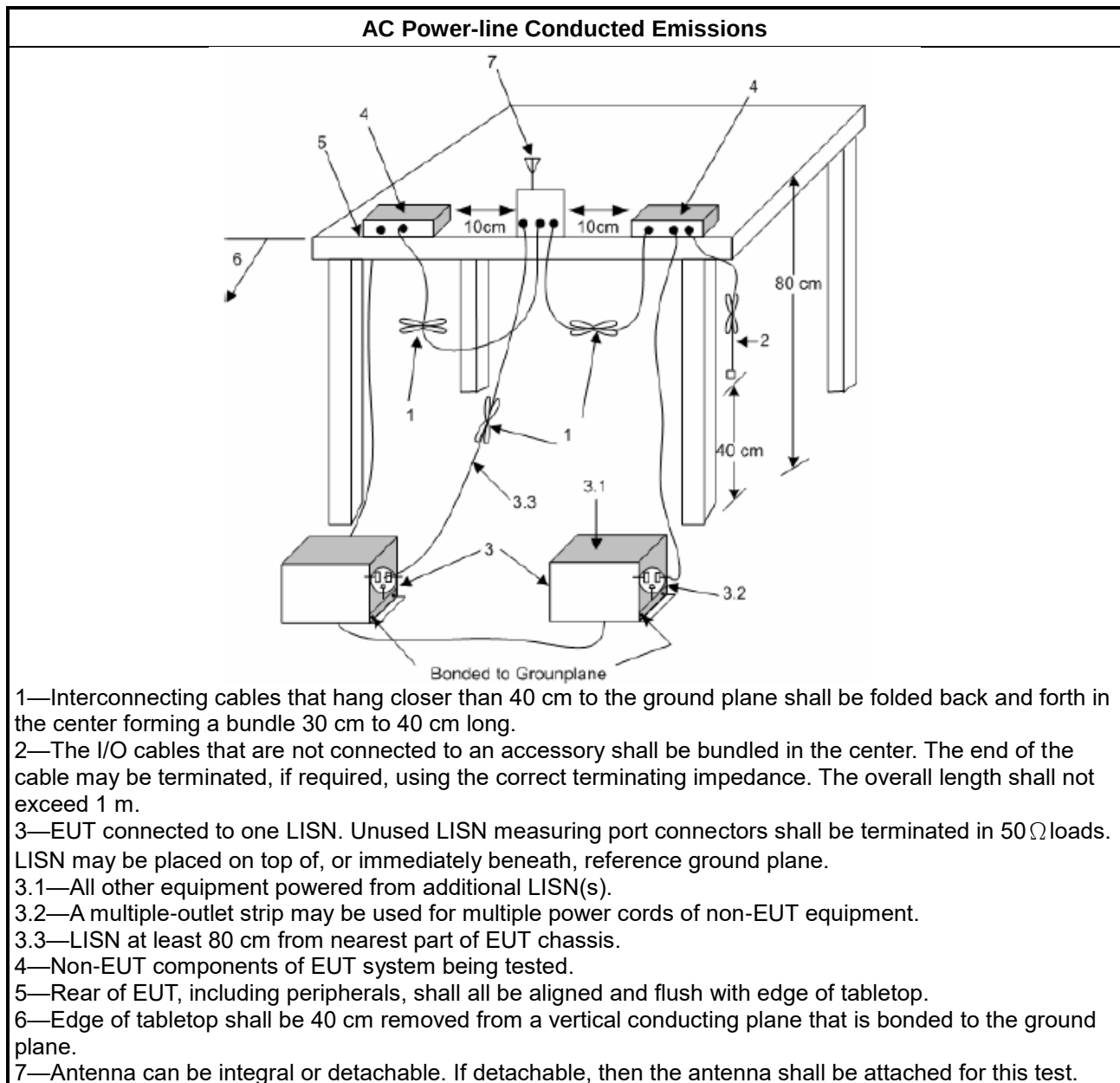
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 UWB bandwidth

3.2.1 UWB bandwidth Limit

UWB bandwidth Limit	
☒	UWB bandwidth ≥ 500 MHz or Fractional bandwidth ≥ 0.2 ; Fractional bandwidth = $2(f_H - f_L) / (f_H + f_L)$
☒	The UWB bandwidth of a UWB system operating under the provisions of this section must be contained between 3100 MHz and 10,600 MHz.

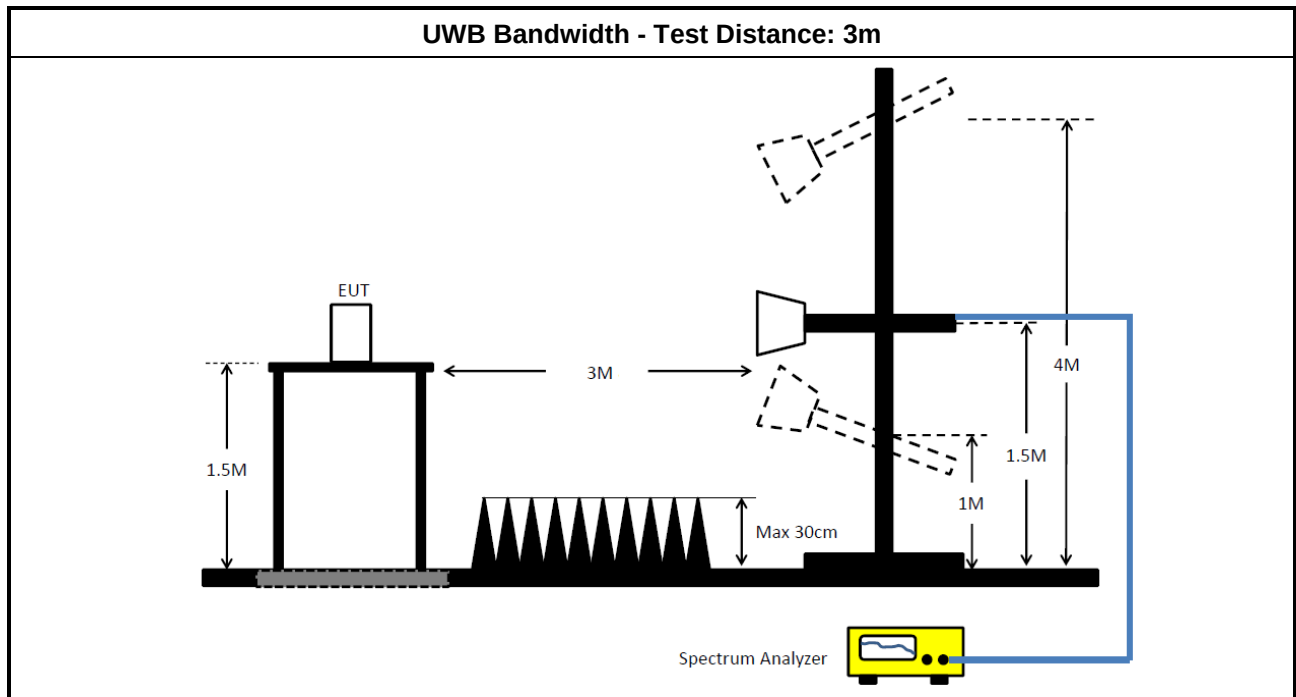
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
☒	For the UWB bandwidth shall be measured using one of the options below:
☒	Refer as ANSI C63.10, clause 6.9.3 and clause 10.1 for UWB bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of UWB Bandwidth

Refer as Appendix B

3.3 Peak Emissions within a 50 MHz Bandwidth

3.3.1 Peak Emissions within a 50 MHz Bandwidth Limit

Peak Emissions within a 50 MHz Bandwidth Limit
$P_{eirp} = 0 \text{ dBm/50MHz}$

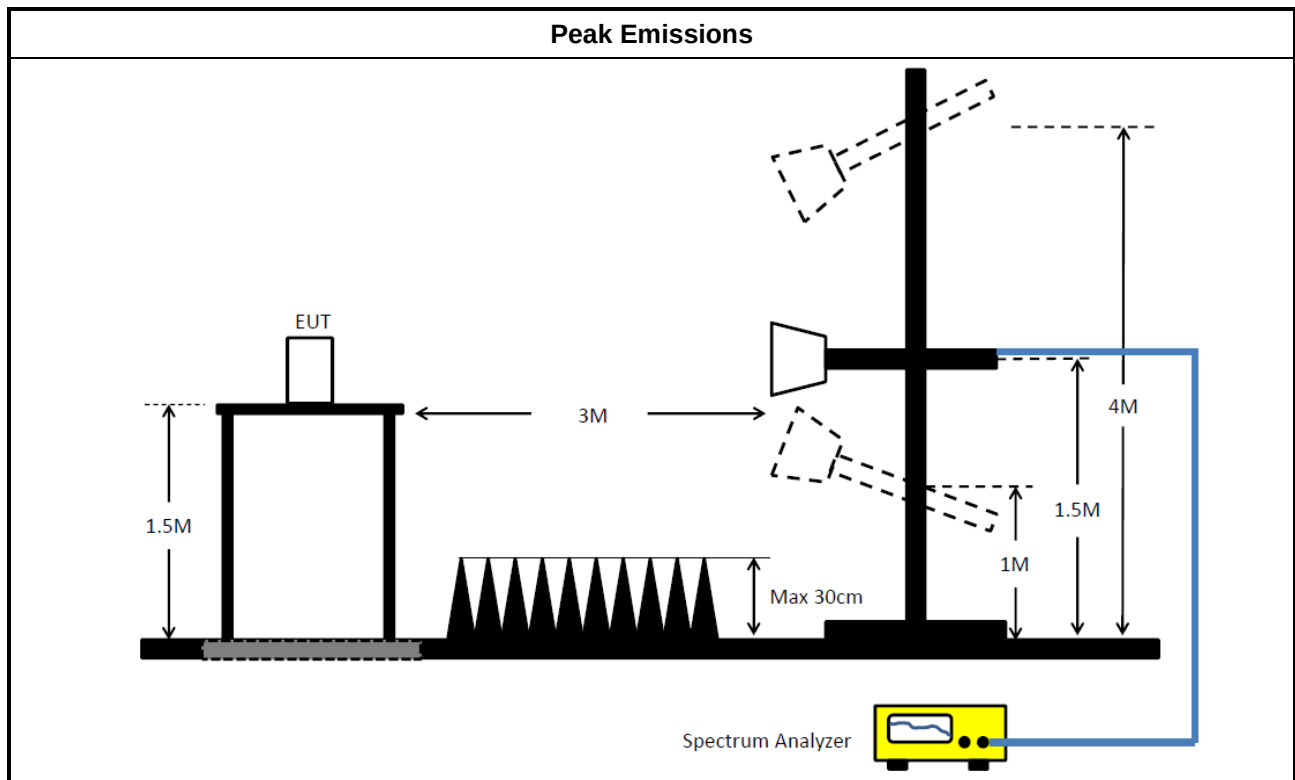
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method
☒ Peak Emissions within a 50 MHz Bandwidth
☒ Refer as ANSI C63.10, clause 10.3.1 for radiated measurement procedure testing.
☒ Refer as ANSI C63.10, clause 10.3.2 for measurement distance is 3m.
☒ Refer as ANSI C63.10, clause 10.3.5 for peak detector procedure testing.
☐ Refer as ANSI C63.10, clause 10.3.6 for bandwidth conversion of peak power. $EIRP_{50MHz} = EIRP_{1MHz} - 20 \log(1MHz/50MHz)$

3.3.4 Test Setup



3.3.5 Test Result of Peak Emissions within a 50 MHz Bandwidth

Refer as Appendix C

3.4 Radiated Emissions

3.4.1 Radiated Emissions Limit

Radiated Emissions below 960MHz and Emissions from Digital Circuitry 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
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.			

Radiated Emissions above 960MHz Limit	
Frequency Range (MHz)	EIRP (dBm)
960-1610	-75.3
1610-1990	-53.3
1990-3100	-51.3
3100-10600	-41.3
Above 10600	-51.3

Radiated Emissions in GPS Bands Limit	
Frequency Range (MHz)	EIRP (dBm)
1164-1240	-85.3
1559-1610	-85.3

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method for Radiated Emissions above 960MHz	
☒	Radiated Emissions above 960MHz
☒	Refer as ANSI C63.10, clause 10.3.1 for radiated measurement procedure testing.
☒	Refer as ANSI C63.10, clause 10.3.2 for measurement distance is 3m. In some cases, it may be necessary to measure the radiated UWB emissions at a closer distance to obtain enough signal and margin to overcome the measurement system noise floor. Distance extrapolation factor = 20 log (test distance [X m]/specific distance [3 m]) (dB)
☒	Refer as ANSI C63.10, clause 10.3.4 for rms detector procedure testing.
☒	Refer as ANSI C63.10, clause 10.3.7 for evaluating AVG-PSD (RBW=1MHz).
☒	Refer as ANSI C63.10, clause 10.3.10 for evaluating AVG-PSD in GPS Band (RBW≥1kHz).
☒	For radiated measurement.
☒	Refer as KDB 412172, clause 2.2 following eirp can be used radiated test configuration.
☒	Refer as KDB 412172, clause 5 following eirp can be directly determined using the field strength.
☐	Refer as KDB 412172, clause 6 following eirp can be used signal/antenna substitution techniques.

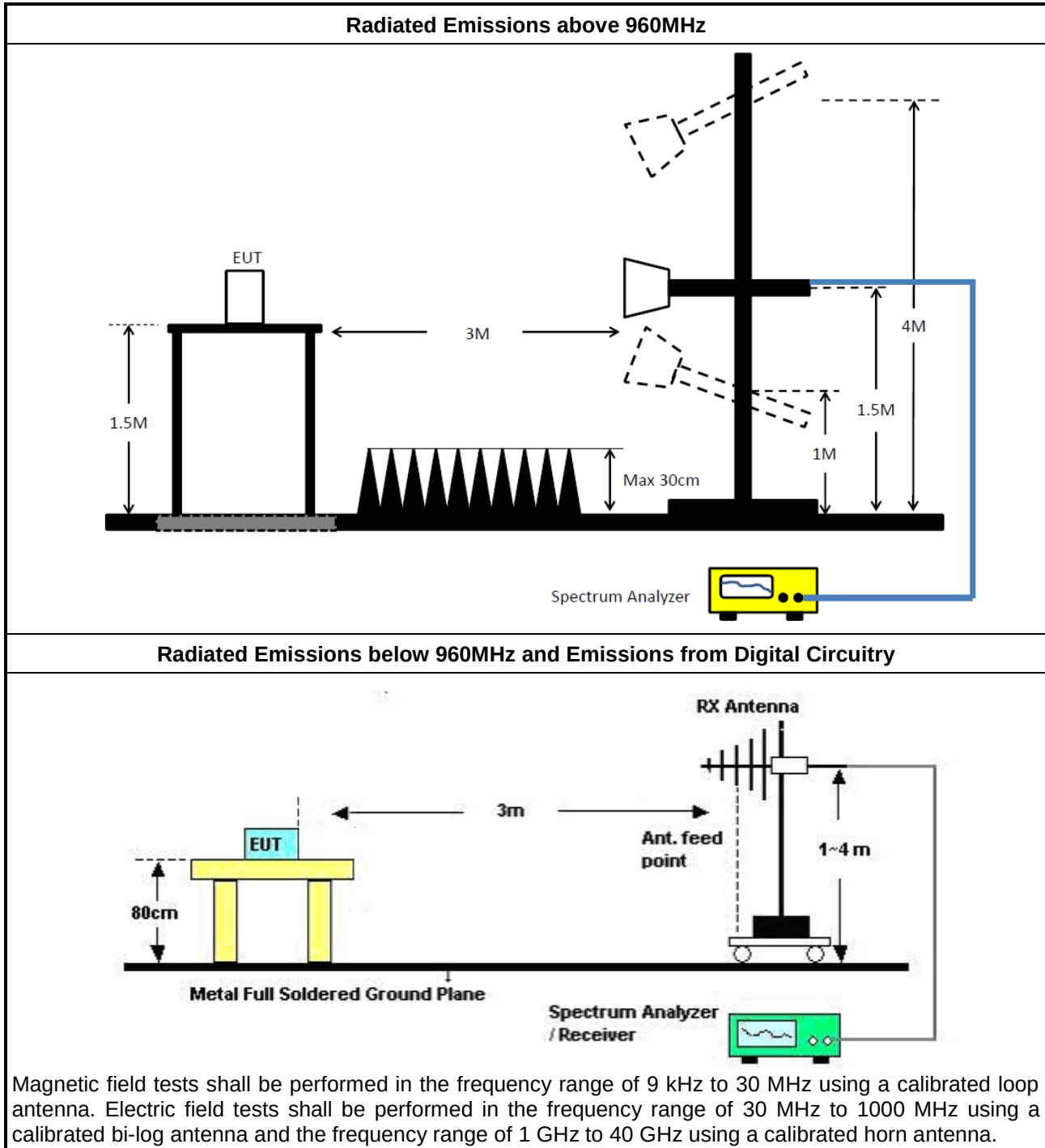
Test Method for Radiated Emissions below 960MHz and Emissions from Digital Circuitry	
☒	Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing 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).
☒	For the transmitter unwanted emissions shall be measured using following options below:
☒	Refer as ANSI C63.10, clause 4.1.4.2.3 (Reduced VBW) – Duty cycle ≥ 100%.
☐	Refer as ANSI C63.10, clause 4.1.4.2.4 average value of pulsed emissions. Adjusted by a “duty cycle correction factor”, derived from 20log (dwell time/100 ms). Average emission = peak emission + 20 log (duty cycle).
☒	Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
☒	For radiated measurement.
☒	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
☒	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
☒	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1 GHz and test distance is 3m.
☒	The any unwanted emissions level shall not exceed the fundamental emission level.

3.4.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.4.5 Test Setup



3.4.6 Radiated Emissions (Below 30MHz)

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

3.4.7 Test Result of Radiated Emissions

Refer as Appendix D

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	ROHDE & SCHWARZ	ESR3	102051	9kHz ~ 3.6GHz	17/May/2024	16/May/2025
Two-Line V-Network	ROHDE & SCHWARZ	ENV 216	101274	9kHz ~ 30MHz	18/Jun/2024	17/Jun/2025
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	27/Feb/2024	26/Feb/2025
Impuls Begrenzer Puls e Limiter	SCHWARZBEC K	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	17/Oct/2024	16/Oct/2025
Software	Sporton	SENSE-EMI	V5.11.3	-	NCR	NCR

NCR: No Calibration Required

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
N.S.A. Measurement	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3M	14/Jul/2024	13/Jul/2025
Site V.S.W.R	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3M	14/Jul/2024	13/Jul/2025
EMI Test Receiver	R&S	ESR	102052	9kHz~3.6GHz	03/May/2024	02/May/2025
Signal Analyzer	R&S	FSP 40	100593	9kHz~40GHz	11/Mar/2024	10/Mar/2025
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	19/Mar/2024	18/Mar/2025
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723/2	30MHz~1GHz	26/Aug/2024	25/Aug/2025
Double Ridged Guide Horn Antenna	SCHWARZBEC K	BBHA 9120 D	02268	1GHz~18GHz	23/Sep/2024	22/Sep/2025
Broadband Horn Antenna	SCHWARZBEC K	BBHA 9170	BBHA 9170154	18GHz~40GHz	04/Jun/2024	03/Jun/2025
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	9kHz~30MHz	26/Nov/2024	25/Nov/2025
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	30MHz~1GHz	26/Nov/2024	25/Nov/2025
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX 104	03CH02-cable-01	1GHz~40GHz	15/Feb/2024	14/Feb/2025
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	29/Jun/2024	28/Jun/2025
Amplifier	EM	EM01G18GA	060933	1GHz~18GHz	15/Jul/2024	14/Jul/2025
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	01/Oct/2024	30/Sep/2025
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~40GHz	19/Apr/2024	18/Apr/2025
SENSE-15247-UWB	Sporton	V5.11.1	N/A	N/A	N/A	N/A



Conducted Emissions at Powerline

Appendix A

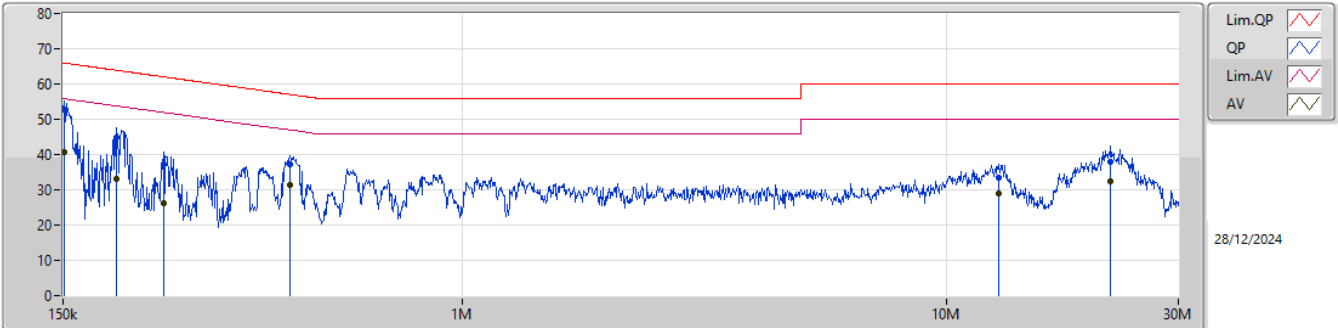
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	150.6k	52.88	65.96	-13.08	Line

Result

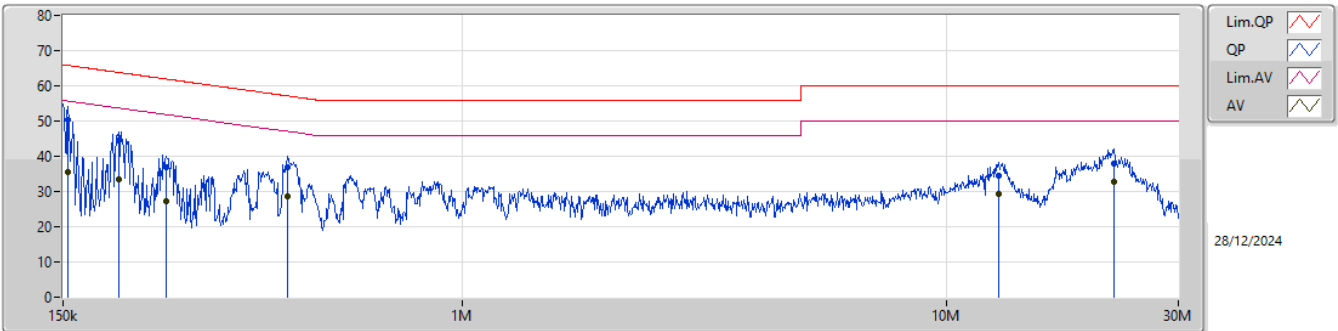
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	150.6k	52.88	65.96	-13.08	Line
Mode 1	Pass	AV	150.6k	40.82	55.96	-15.14	Line
Mode 1	Pass	QP	193.664k	44.90	63.88	-18.98	Line
Mode 1	Pass	AV	193.664k	32.94	53.88	-20.94	Line
Mode 1	Pass	QP	242.179k	37.20	62.02	-24.82	Line
Mode 1	Pass	AV	242.179k	26.09	52.02	-25.93	Line
Mode 1	Pass	QP	440.751k	37.08	57.05	-19.97	Line
Mode 1	Pass	AV	440.751k	31.34	47.05	-15.71	Line
Mode 1	Pass	QP	12.756M	33.62	60.00	-26.38	Line
Mode 1	Pass	AV	12.756M	28.81	50.00	-21.19	Line
Mode 1	Pass	QP	21.779M	37.85	60.00	-22.15	Line
Mode 1	Pass	AV	21.779M	32.38	50.00	-17.62	Line
Mode 1	Pass	QP	153.636k	50.50	65.81	-15.31	Neutral
Mode 1	Pass	AV	153.636k	35.52	55.81	-20.29	Neutral
Mode 1	Pass	QP	195.216k	44.62	63.80	-19.18	Neutral
Mode 1	Pass	AV	195.216k	33.50	53.80	-20.30	Neutral
Mode 1	Pass	QP	245.097k	36.84	61.93	-25.09	Neutral
Mode 1	Pass	AV	245.097k	27.33	51.93	-24.60	Neutral
Mode 1	Pass	QP	435.504k	36.89	57.15	-20.26	Neutral
Mode 1	Pass	AV	435.504k	28.75	47.15	-18.40	Neutral
Mode 1	Pass	QP	12.807M	34.50	60.00	-25.50	Neutral
Mode 1	Pass	AV	12.807M	29.47	50.00	-20.53	Neutral
Mode 1	Pass	QP	22.041M	38.01	60.00	-21.99	Neutral
Mode 1	Pass	AV	22.041M	32.77	50.00	-17.23	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	150.6k	52.88	65.96	-13.08	19.70	Line	-	33.18	9.66	0.07	9.97						
AV	150.6k	40.82	55.96	-15.14	19.70	Line	-	21.12	9.66	0.07	9.97						
QP	193.664k	44.90	63.88	-18.98	19.71	Line	-	25.19	9.65	0.09	9.97						
AV	193.664k	32.94	53.88	-20.94	19.71	Line	-	13.23	9.65	0.09	9.97						
QP	242.179k	37.20	62.02	-24.82	19.72	Line	-	17.48	9.65	0.10	9.97						
AV	242.179k	26.09	52.02	-25.93	19.72	Line	-	6.37	9.65	0.10	9.97						
QP	440.751k	37.08	57.05	-19.97	19.75	Line	-	17.33	9.65	0.12	9.98						
AV	440.751k	31.34	47.05	-15.71	19.75	Line	-	11.59	9.65	0.12	9.98						
QP	12.756M	33.62	60.00	-26.38	19.75	Line	-	13.87	9.70	0.07	9.98						
AV	12.756M	28.81	50.00	-21.19	19.75	Line	-	9.06	9.70	0.07	9.98						
QP	21.779M	37.85	60.00	-22.15	19.76	Line	-	18.09	9.66	0.12	9.98						
AV	21.779M	32.38	50.00	-17.62	19.76	Line	-	12.62	9.66	0.12	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	153.636k	50.50	65.81	-15.31	19.64	Neutral	-	30.86	9.60	0.07	9.97						
AV	153.636k	35.52	55.81	-20.29	19.64	Neutral	-	15.88	9.60	0.07	9.97						
QP	195.216k	44.62	63.80	-19.18	19.66	Neutral	-	24.96	9.60	0.09	9.97						
AV	195.216k	33.50	53.80	-20.30	19.66	Neutral	-	13.84	9.60	0.09	9.97						
QP	245.097k	36.84	61.93	-25.09	19.67	Neutral	-	17.17	9.60	0.10	9.97						
AV	245.097k	27.33	51.93	-24.60	19.67	Neutral	-	7.66	9.60	0.10	9.97						
QP	435.504k	36.89	57.15	-20.26	19.70	Neutral	-	17.19	9.60	0.12	9.98						
AV	435.504k	28.75	47.15	-18.40	19.70	Neutral	-	9.05	9.60	0.12	9.98						
QP	12.807M	34.50	60.00	-25.50	19.71	Neutral	-	14.79	9.66	0.07	9.98						
AV	12.807M	29.47	50.00	-20.53	19.71	Neutral	-	9.76	9.66	0.07	9.98						
QP	22.041M	38.01	60.00	-21.99	19.77	Neutral	-	18.24	9.67	0.12	9.98						
AV	22.041M	32.77	50.00	-17.23	19.77	Neutral	-	13.00	9.67	0.12	9.98						

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
3.1-10.6GHz	-	-	-	-	-
Ultra Wide Band_Nss1_1TX	529.5M	684.585M	685MD1D	529.5M	684.585M

Max-N dB = Maximum 10dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 10dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

**Result**

Mode	Result	Limit (Hz)	F _M (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
Ultra Wide Band_Nss1_1TX	-	-		-	-
7987.2MHz	Pass	500M	7831.6M	529.5M	684.585M

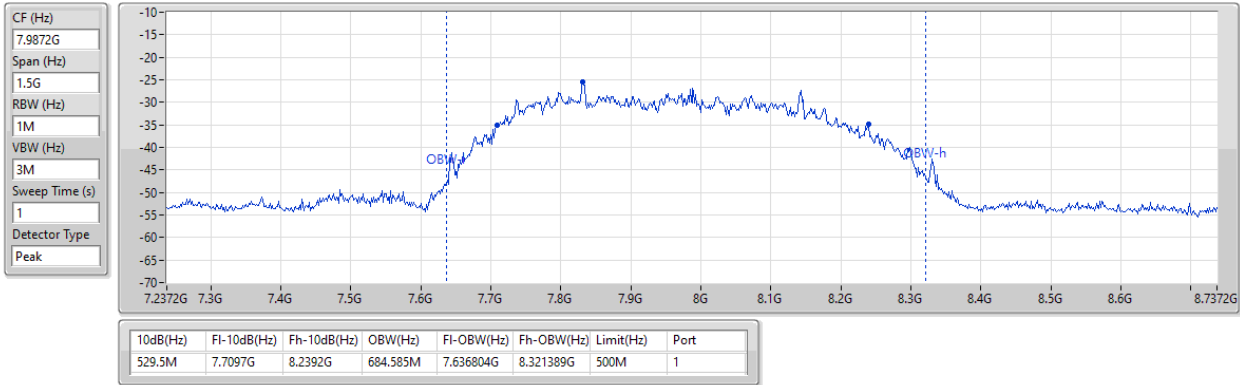
Port X-N dB = Port X 10dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

EBW

7987.2MHz

25/12/2024



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
3.1-10.6GHz	-	-	-	-	-
Ultra Wide Band_Nss1_1TX	535.5M	900.245M	900MD1D	535.5M	900.245M

Max-N dB = Maximum 10dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 10dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

**Result**

Mode	Result	Limit (Hz)	F _M (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
Ultra Wide Band_Nss1_1TX	-	-		-	-
7987.2MHz	Pass	500M	7979.2M	535.5M	900.245M

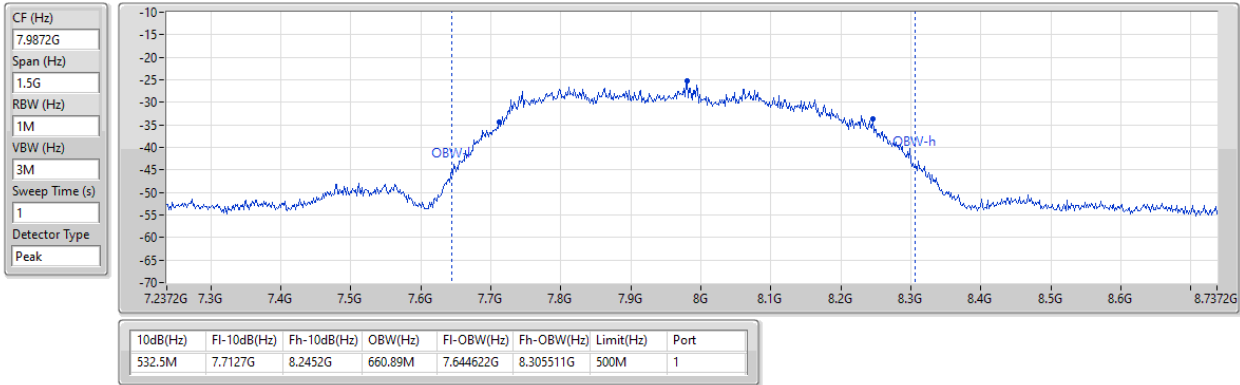
Port X-N dB = Port X 10dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

EBW

7987.2MHz

25/12/2024



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
3.1-10.6GHz	-	-	-	-	-
Ultra Wide Band_Nss1_1TX	529.5M	1.436G	1G44D1D	529.5M	1.436G

Max-N dB = Maximum 10dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 10dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	F _M (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
Ultra Wide Band_Nss1_1TX	-	-		-	-
7987.2MHz	Pass	500M	7830.6M	529.5M	1.436G

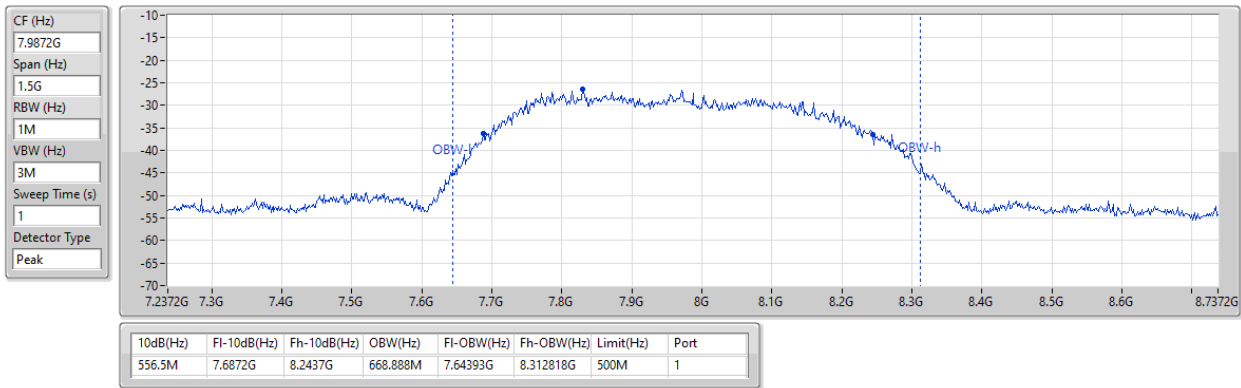
Port X-N dB = Port X 10dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

EBW

7987.2MHz

25/12/2024





Summary

Mode	EIRP PD (dBm/50MHz)
3.1-10.6GHz	-
Ultra Wide Band_Nss1_1TX	-0.14



Result

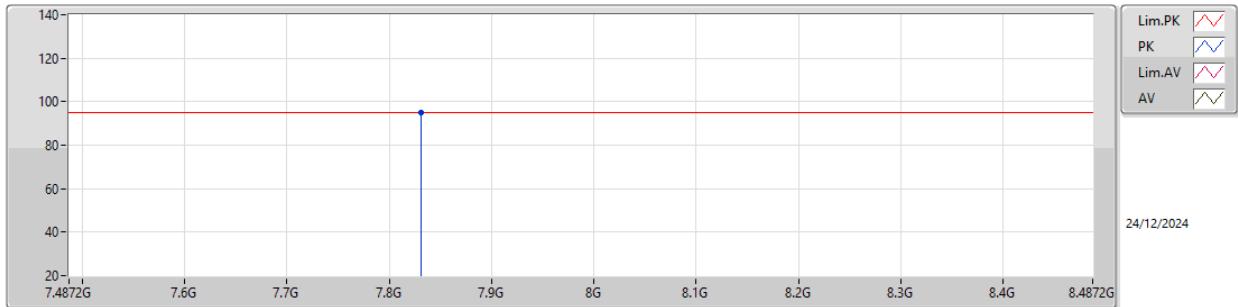
Mode	Result	Raw (dBuV/m)	RBW (MHz)	Factor (dB)	EIRP PD (dBm/50MHz)	EIRP PD Limit (dBm/50MHz)
Ultra Wide Band_Nss1_1TX	-	-		-	-	-
7987.2MHz	Pass	84.81	50	84.95	-0.14	0

Factor= $20 \cdot \log(\text{RBW}/50\text{MHz}) + 95.2 - (\text{AF} + \text{CL} - \text{PA})$

EIRP PD= RAW - Factor

3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_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)			
PK	7.8312G	95.06	95.20	-0.14	10.25	3	Horizontal	325	1.01	84.81	36.86	8.45	35.06			



Summary

Mode	EIRP PD (dBm/50MHz)
3.1-10.6GHz	-
Ultra Wide Band_Nss1_1TX	-5.51



Result

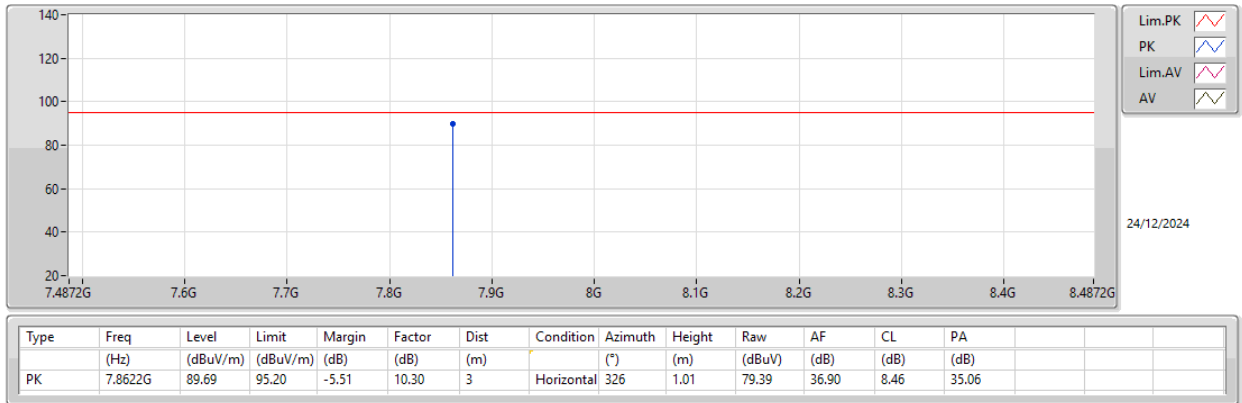
Mode	Result	Raw (dBuV/m)	RBW (MHz)	Factor (dB)	EIRP PD (dBm/50MHz)	EIRP PD Limit (dBm/50MHz)
Ultra Wide Band_Nss1_1TX	-	-		-	-	-
7987.2MHz	Pass	79.39	50	84.90	-5.51	0

Factor=20*log(RBW/50MHz) + 95.2 - (AF + CL - PA)

EIRP PD= RAW - Factor

3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX





Summary

Mode	EIRP PD (dBm/50MHz)
3.1-10.6GHz	-
Ultra Wide Band_Nss1_1TX	-5.37



Result

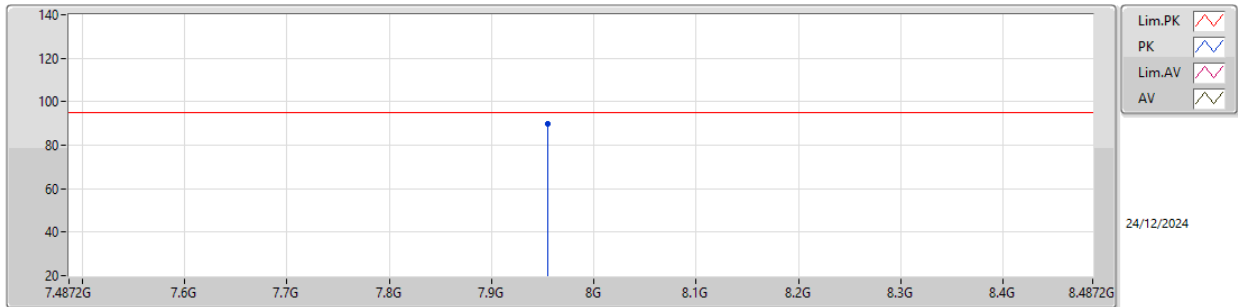
Mode	Result	Raw (dBuV/m)	RBW (MHz)	Factor (dB)	EIRP PD (dBm/50MHz)	EIRP PD Limit (dBm/50MHz)
Ultra Wide Band_Nss1_1TX	-	-		-	-	-
7987.2MHz	Pass	79.39	50	84.76	-5.37	0

Factor=20*log(RBW/50MHz) + 95.2 - (AF + CL - PA)

EIRP PD= RAW - Factor

3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_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)				
PK	7.9552G	89.83	95.20	-5.37	10.44	3	Horizontal	326	1.02	79.39	37.00	8.51	35.07				



Summary

Mode	EIRP PD (dBm/MHz)
3.1-10.6GHz	-
Ultra Wide Band_Nss1_1TX	-45.43



Result

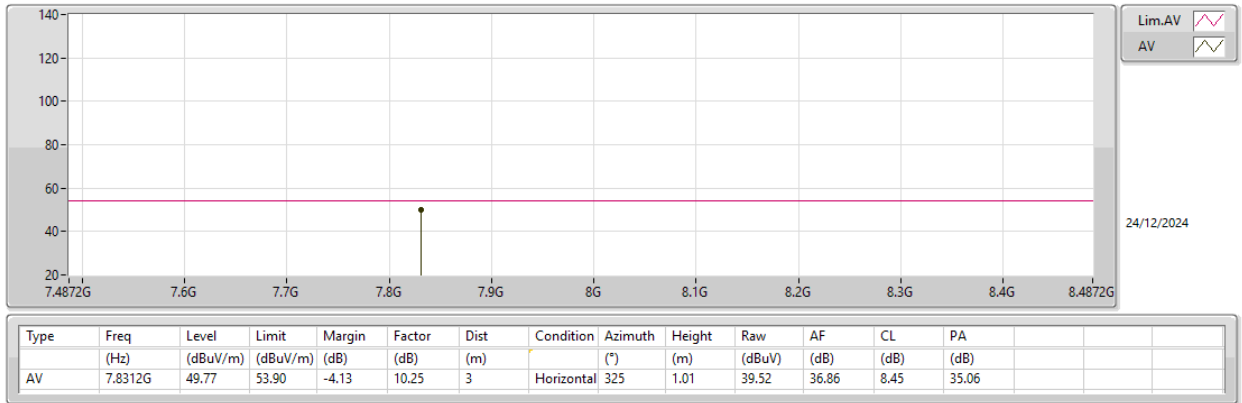
Mode	Result	Raw (dBuV/m)	RBW (MHz)	Factor (dB)	EIRP PD (dBm/MHz)	EIRP PD Limit (dBm/MHz)
Ultra Wide Band_Nss1_1TX	-	-		-	-	-
7987.2MHz	Pass	39.52	1	84.95	-45.43	-41.30

EIRP PD= Raw - 95.2 + (AF + CL - PA)



3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX





Summary

Mode	EIRP PD (dBm/MHz)
3.1-10.6GHz	-
Ultra Wide Band_Nss1 _1TX	-41.46



Result

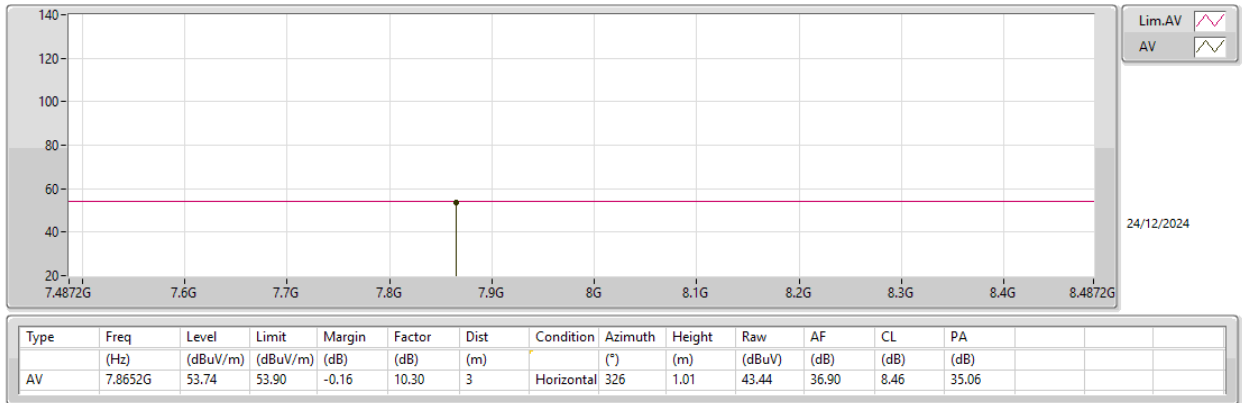
Mode	Result	Raw (dBuV/m)	RBW (MHz)	Factor (dB)	EIRP PD (dBm/MHz)	EIRP PD Limit (dBm/MHz)
Ultra Wide Band_Nss1_1TX	-	-		-	-	-
7987.2MHz	Pass	43.44	1	84.90	-41.46	-41.30

EIRP PD= Raw - 95.2 + (AF + CL - PA)



3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX





Summary

Mode	EIRP PD (dBm/MHz)
3.1-10.6GHz	-
Ultra Wide Band_Nss1_1TX	-41.84



Result

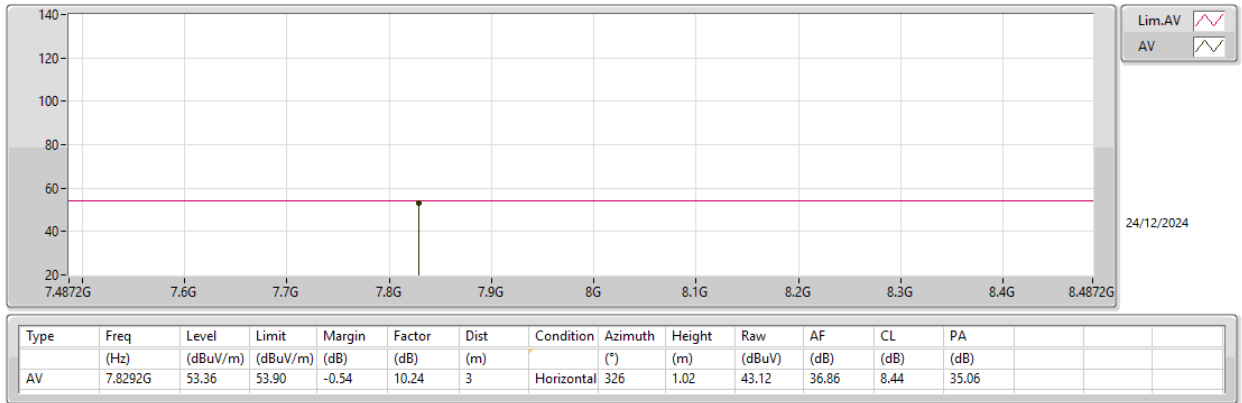
Mode	Result	Raw (dBuV/m)	RBW (MHz)	Factor (dB)	EIRP PD (dBm/MHz)	EIRP PD Limit (dBm/MHz)
Ultra Wide Band_Nss1_1TX	-	-		-	-	-
7987.2MHz	Pass	43.12	1	84.96	-41.84	-41.30

EIRP PD= Raw - 95.2 + (AF + CL - PA)



3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX





Summary

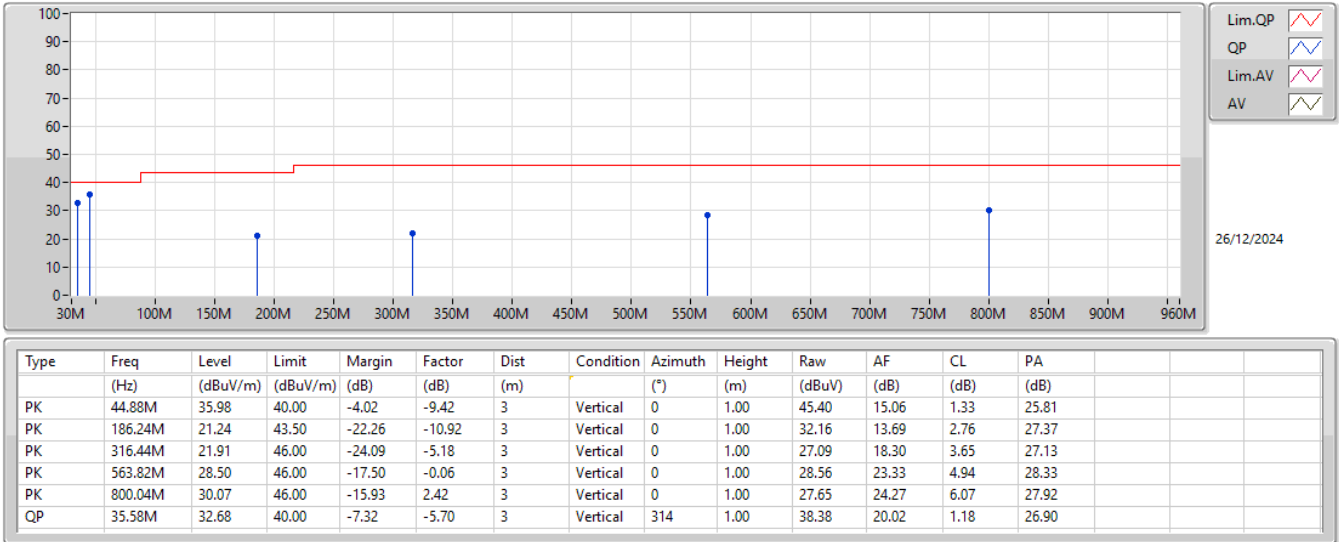
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
3.1-10.6GHz	-	-	-	-	-	-	-	-	-	-
Ultra Wide Band_Nss1_1TX	Pass	PK	44.88M	35.98	40.00	-4.02	3	Vertical	0	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Ultra Wide Band_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
7987.2MHz	Pass	PK	44.88M	35.98	40.00	-4.02	3	Vertical	0	1.00
7987.2MHz	Pass	PK	186.24M	21.24	43.50	-22.26	3	Vertical	0	1.00
7987.2MHz	Pass	PK	316.44M	21.91	46.00	-24.09	3	Vertical	0	1.00
7987.2MHz	Pass	PK	563.82M	28.50	46.00	-17.50	3	Vertical	0	1.00
7987.2MHz	Pass	PK	800.04M	30.07	46.00	-15.93	3	Vertical	0	1.00
7987.2MHz	Pass	QP	35.58M	32.68	40.00	-7.32	3	Vertical	314	1.00
7987.2MHz	Pass	PK	44.88M	31.04	40.00	-8.96	3	Horizontal	360	1.00
7987.2MHz	Pass	PK	89.52M	26.62	43.50	-16.88	3	Horizontal	360	1.00
7987.2MHz	Pass	PK	260.64M	19.94	46.00	-26.06	3	Horizontal	360	1.00
7987.2MHz	Pass	PK	309M	21.66	46.00	-24.34	3	Horizontal	360	1.00
7987.2MHz	Pass	PK	567.54M	26.97	46.00	-19.03	3	Horizontal	360	1.00
7987.2MHz	Pass	PK	800.04M	32.94	46.00	-13.06	3	Horizontal	360	1.00

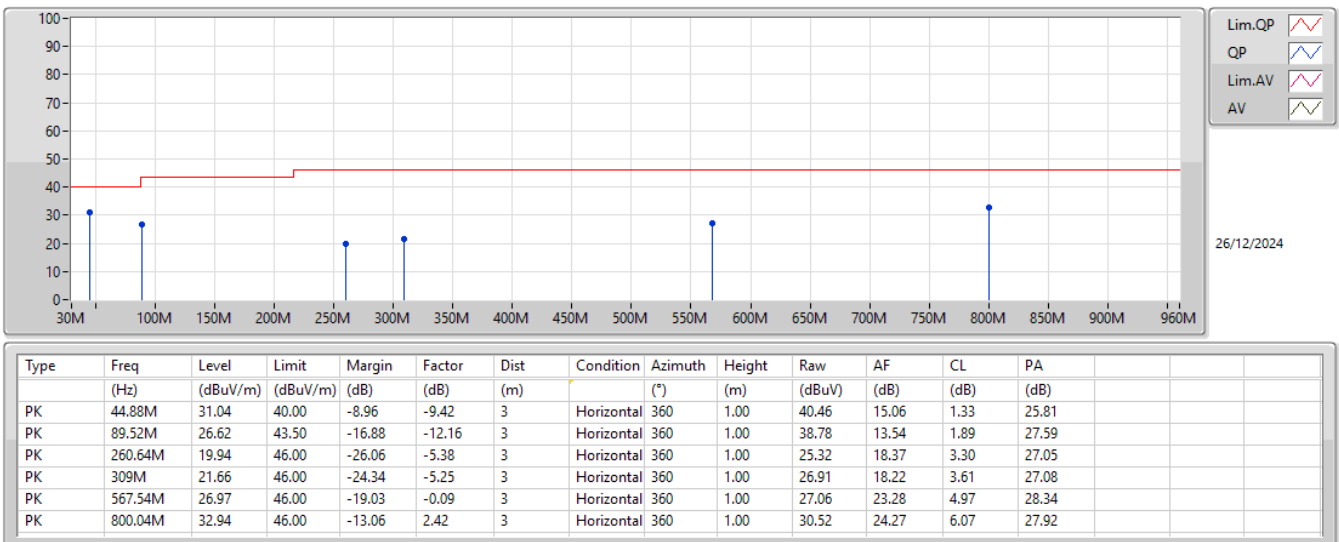
3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

798.2MHz_PoE



3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

798.2MHz_PoE





Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
3.1-10.6GHz	-	-	-	-	-	-	-	-	-	-
Ultra Wide Band_Nss1_1TX	Pass	AV	999.75M	23.26	-	-	3	Vertical	0	1.00

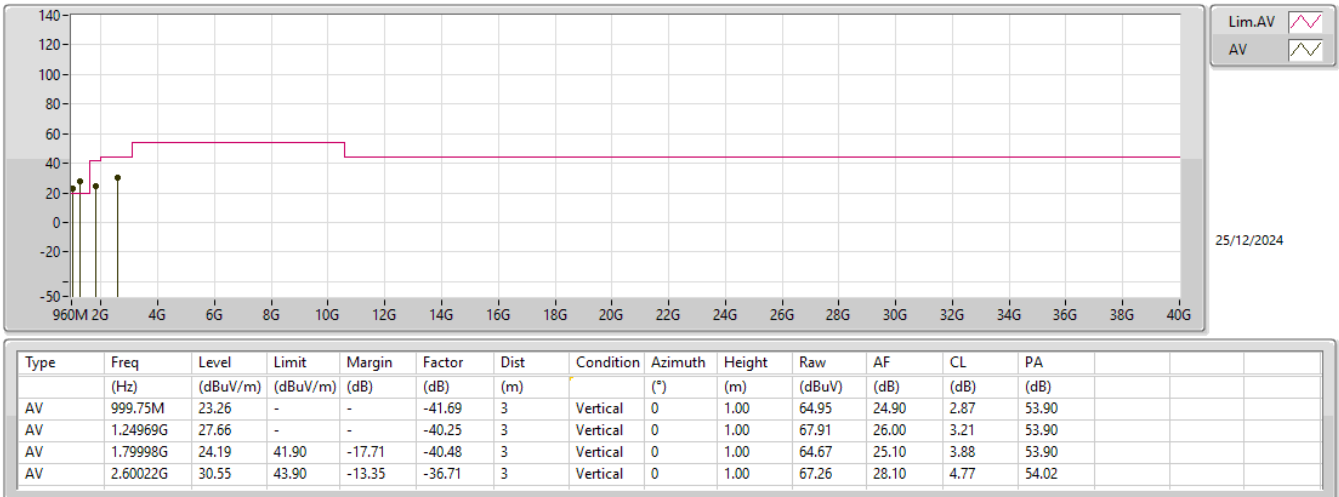
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Ultra Wide Band_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
7987.2MHz	Pass	AV	999.75M	23.26	-	-	3	Vertical	0	1.00
7987.2MHz	Pass	AV	1.24969G	27.66	-	-	3	Vertical	0	1.00
7987.2MHz	Pass	AV	1.79998G	24.19	41.90	-17.71	3	Vertical	0	1.00
7987.2MHz	Pass	AV	2.60022G	30.55	43.90	-13.35	3	Vertical	0	1.00
7987.2MHz	Pass	AV	999.75M	23.16	-	-	3	Horizontal	360	1.00
7987.2MHz	Pass	AV	1.24969G	28.70	-	-	3	Horizontal	360	1.00
7987.2MHz	Pass	AV	1.40703G	20.53	-	-	3	Horizontal	360	1.00
7987.2MHz	Pass	AV	1.79998G	21.11	41.90	-20.79	3	Horizontal	360	1.00
7987.2MHz	Pass	AV	1.17933G	-3.85	9.90	-13.75	3	Vertical	327	1.61
7987.2MHz	Pass	AV	1.20003G	-0.24	9.90	-10.14	3	Vertical	356	1.59
7987.2MHz	Pass	AV	1.21908G	-5.10	9.90	-15.00	3	Vertical	326	1.42
7987.2MHz	Pass	AV	1.18021G	-4.28	9.90	-14.18	3	Horizontal	348	2.41
7987.2MHz	Pass	AV	1.20003G	-1.85	9.90	-11.75	3	Horizontal	299	2.19
7987.2MHz	Pass	AV	1.21894G	-5.56	9.90	-15.46	3	Horizontal	165	2.16
7987.2MHz	Pass	AV	1.56253G	-4.69	9.90	-14.59	3	Vertical	39	2.28
7987.2MHz	Pass	AV	1.59485G	1.04	9.90	-8.86	3	Vertical	187	1.00
7987.2MHz	Pass	AV	1.59722G	0.54	9.90	-9.36	3	Vertical	218	2.44
7987.2MHz	Pass	AV	1.56253G	-4.08	9.90	-13.98	3	Horizontal	309	1.12
7987.2MHz	Pass	AV	1.59485G	-2.46	9.90	-12.36	3	Horizontal	14	1.78
7987.2MHz	Pass	AV	1.59722G	-2.59	9.90	-12.49	3	Horizontal	28	1.99

*The frequencies mentioned in Comments and Explanations are not limited to this Limit.

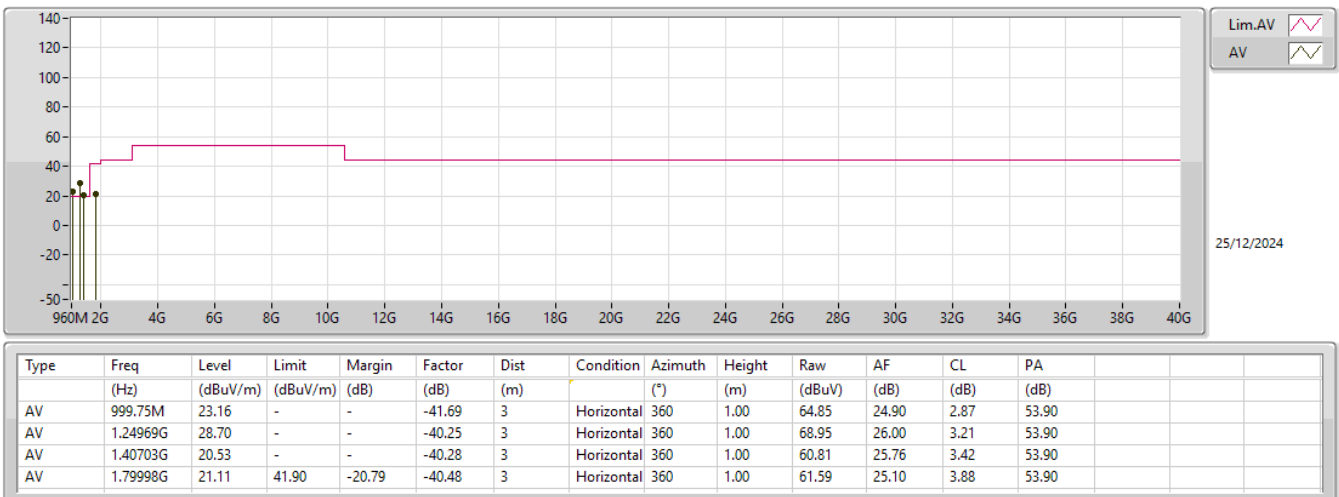
3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX



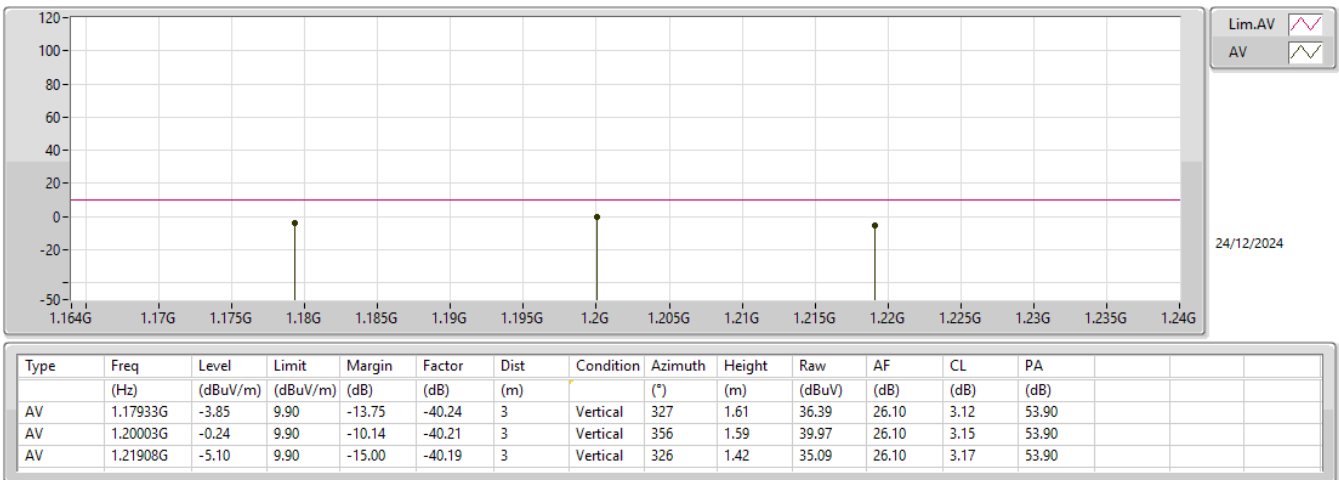
3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX



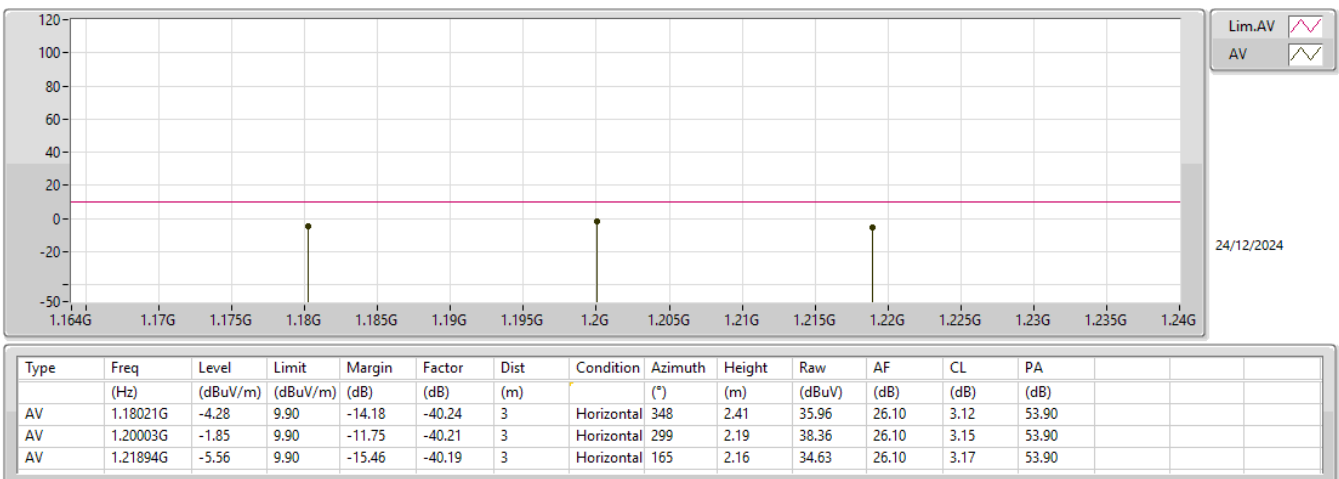
3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX



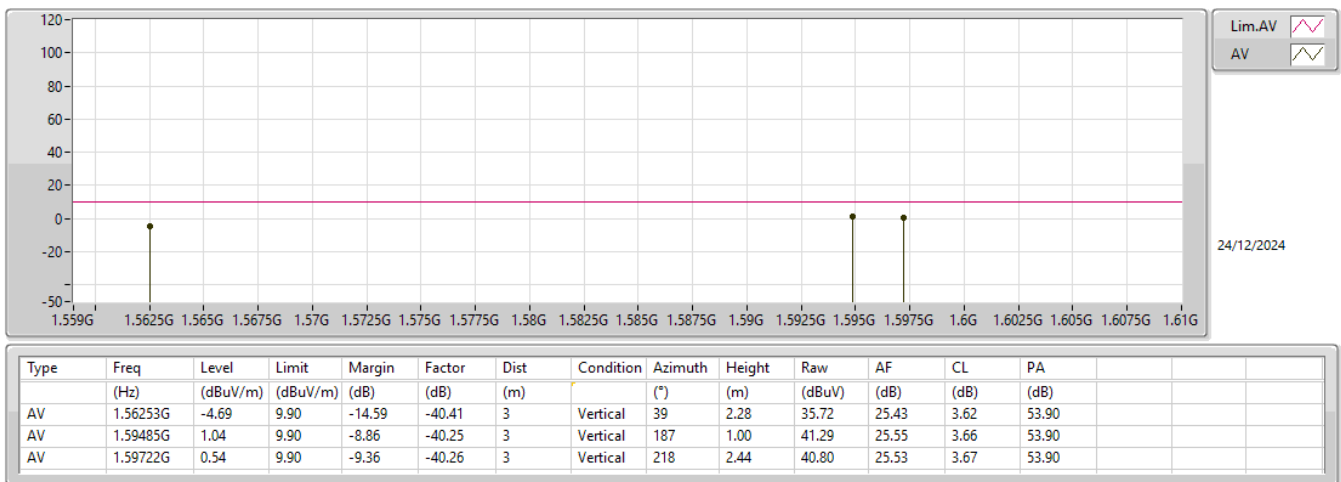
3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX



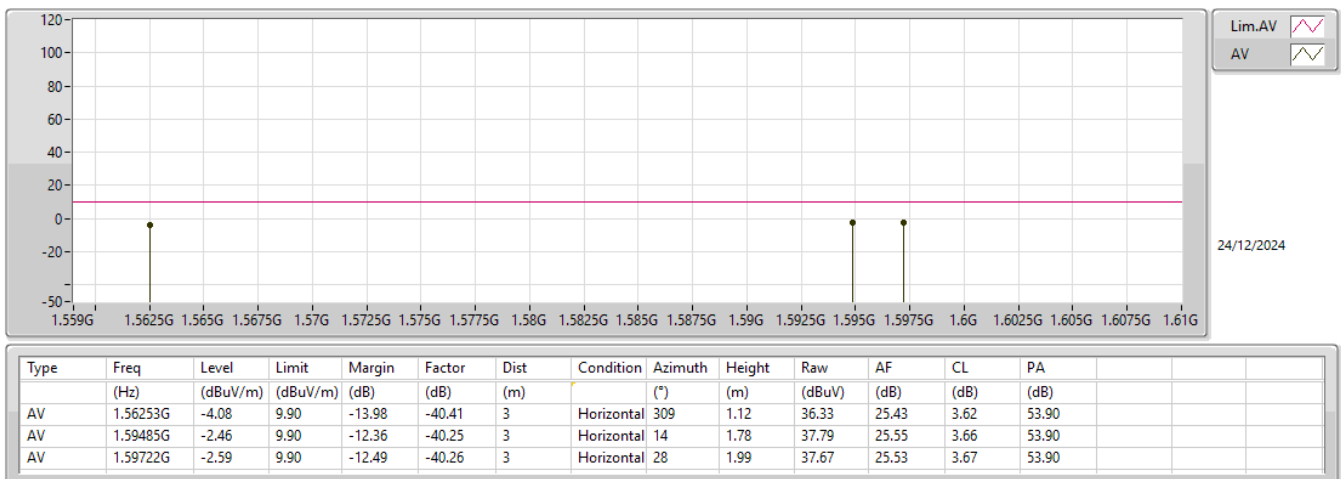
3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX



3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX





Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
3.1-10.6GHz	-	-	-	-	-	-	-	-	-	-
Ultra Wide Band_Nss1_1TX	Pass	AV	999.75M	23.99	-	-	3	Vertical	0	1.00

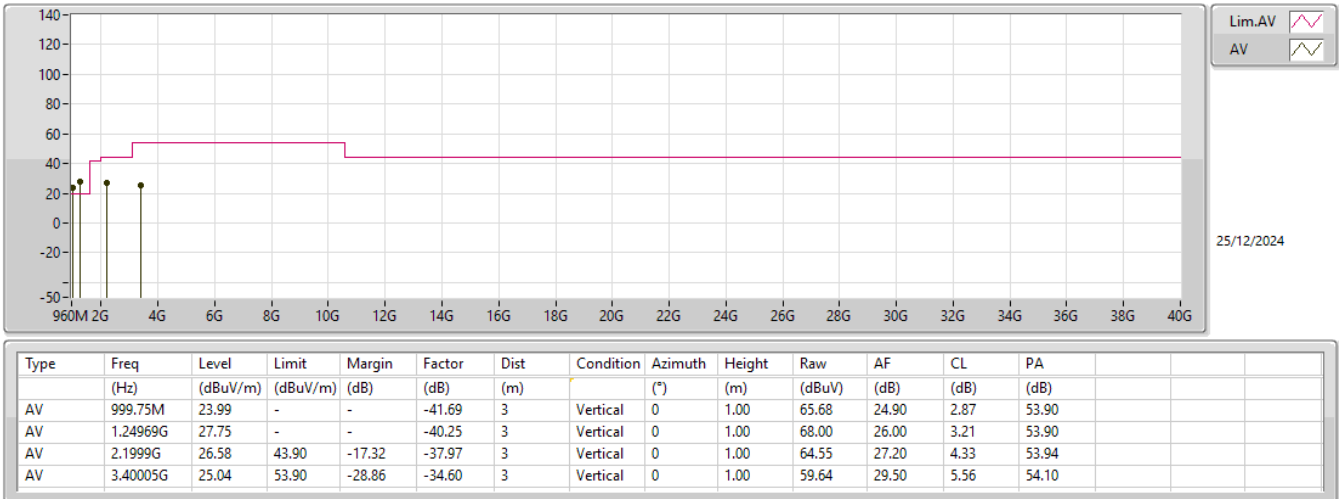
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Ultra Wide Band_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
7987.2MHz	Pass	AV	999.75M	23.99	-	-	3	Vertical	0	1.00
7987.2MHz	Pass	AV	1.24969G	27.75	-	-	3	Vertical	0	1.00
7987.2MHz	Pass	AV	2.1999G	26.58	43.90	-17.32	3	Vertical	0	1.00
7987.2MHz	Pass	AV	3.40005G	25.04	53.90	-28.86	3	Vertical	0	1.00
7987.2MHz	Pass	AV	999.75M	23.35	-	-	3	Horizontal	360	1.00
7987.2MHz	Pass	AV	1.24969G	29.31	-	-	3	Horizontal	360	1.00
7987.2MHz	Pass	AV	1.39966G	24.33	-	-	3	Horizontal	360	1.00
7987.2MHz	Pass	AV	2.60022G	28.74	43.90	-15.16	3	Horizontal	360	1.00
7987.2MHz	Pass	AV	1.17867G	-3.89	9.90	-13.79	3	Vertical	340	2.12
7987.2MHz	Pass	AV	1.20001G	-0.45	9.90	-10.35	3	Vertical	91	1.70
7987.2MHz	Pass	AV	1.2154G	-5.28	9.90	-15.18	3	Vertical	163	2.43
7987.2MHz	Pass	AV	1.17819G	-4.25	9.90	-14.15	3	Horizontal	71	1.77
7987.2MHz	Pass	AV	1.20001G	-1.83	9.90	-11.73	3	Horizontal	326	2.19
7987.2MHz	Pass	AV	1.22356G	-5.98	9.90	-15.88	3	Horizontal	286	2.50
7987.2MHz	Pass	AV	1.56248G	-3.93	9.90	-13.83	3	Vertical	179	1.75
7987.2MHz	Pass	AV	1.59485G	1.23	9.90	-8.67	3	Vertical	85	1.32
7987.2MHz	Pass	AV	1.59722G	1.16	9.90	-8.74	3	Vertical	75	1.88
7987.2MHz	Pass	AV	1.56248G	-2.89	9.90	-12.79	3	Horizontal	143	1.51
7987.2MHz	Pass	AV	1.59485G	-2.15	9.90	-12.05	3	Horizontal	31	1.84
7987.2MHz	Pass	AV	1.59722G	-2.15	9.90	-12.05	3	Horizontal	154	1.48

*The frequencies mentioned in Comments and Explanations are not limited to this Limit.

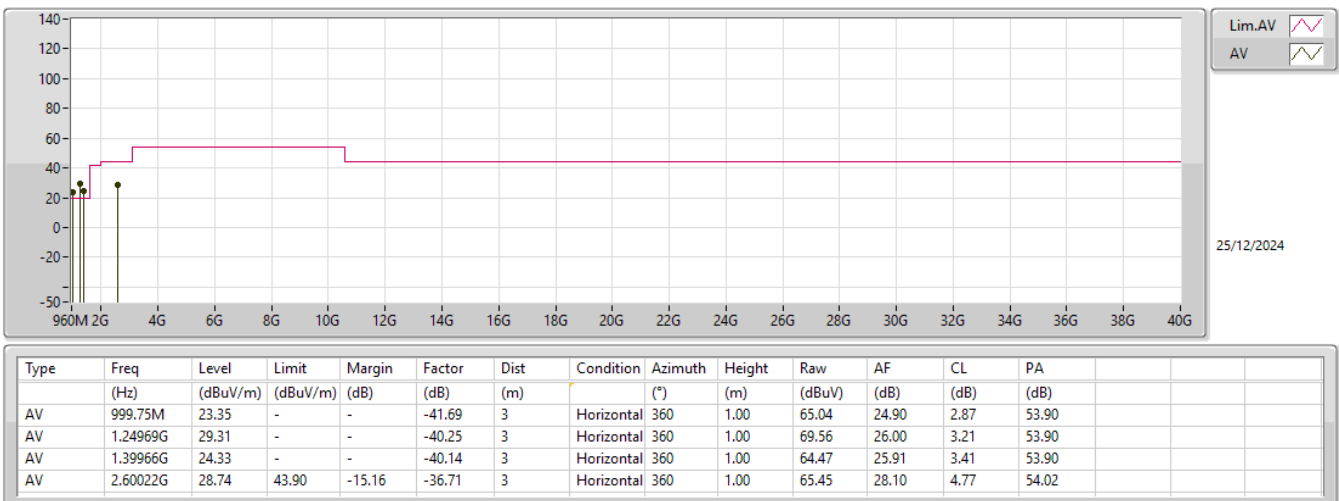
3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX



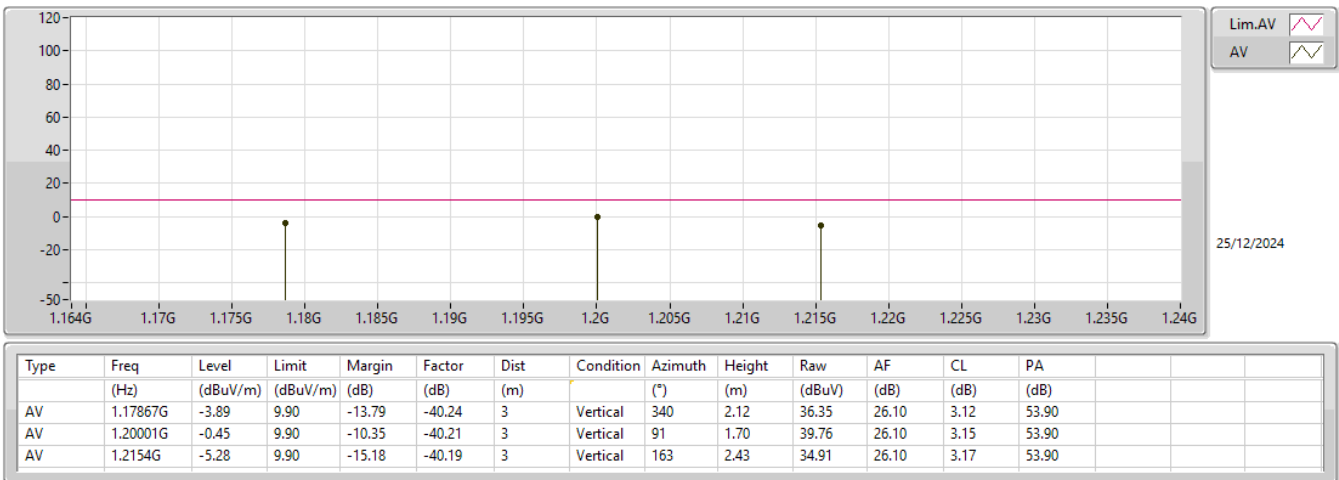
3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX



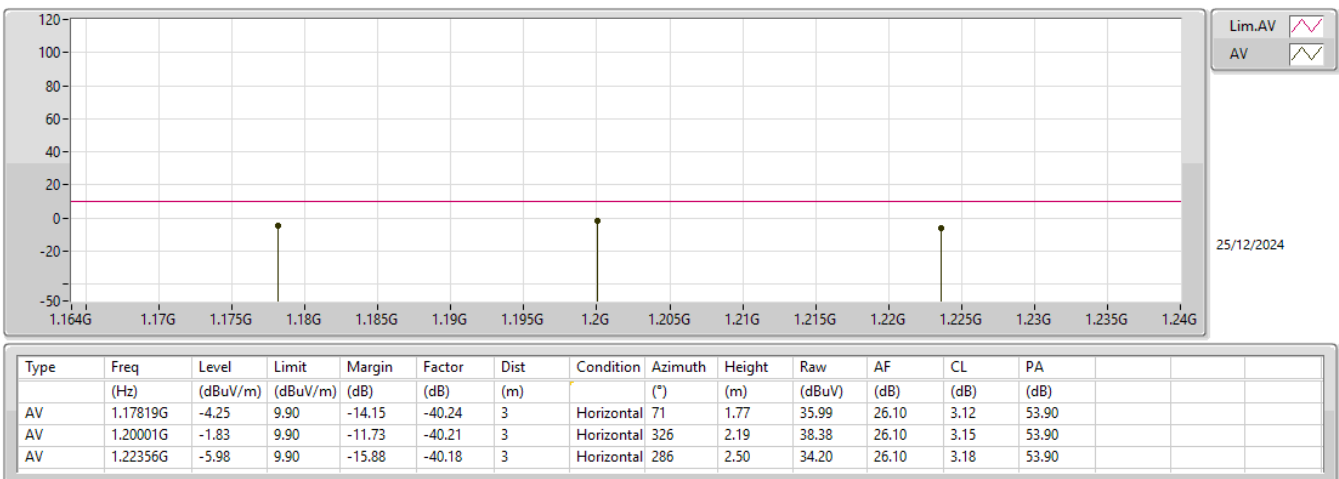
3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX



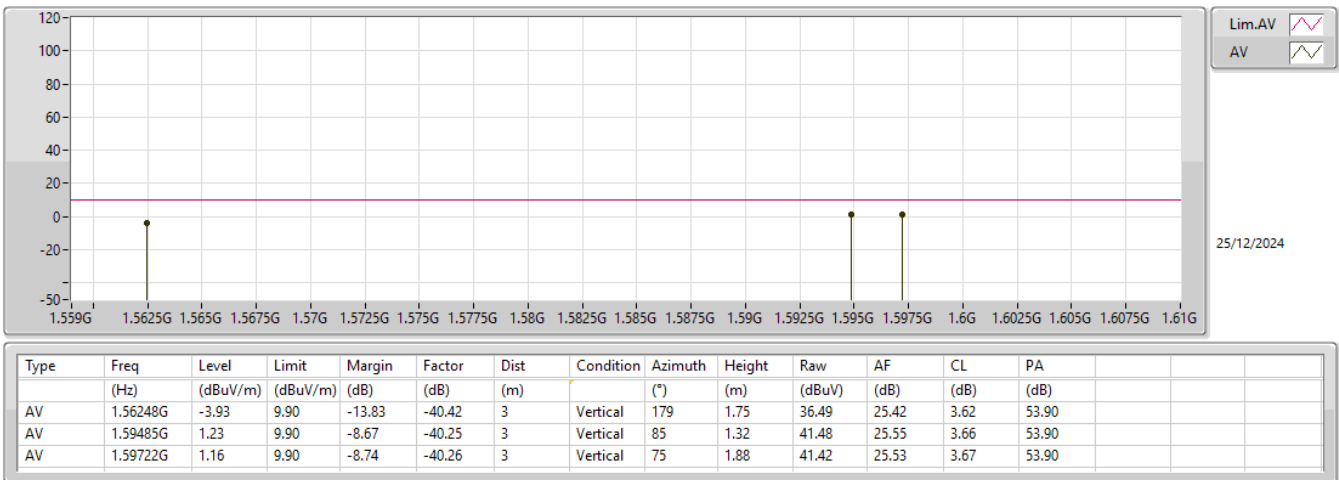
3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX



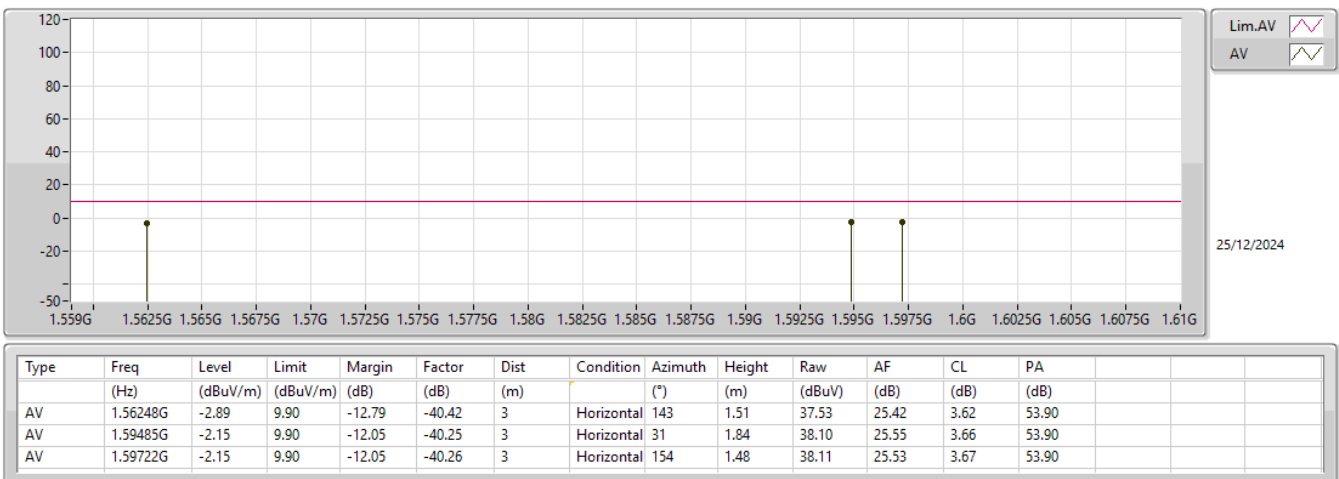
3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX



3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX





Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
3.1-10.6GHz	-	-	-	-	-	-	-	-	-	-
Ultra Wide Band_Nss1_1TX	Pass	AV	999.75M	24.07	-	-	3	Vertical	0	1.00

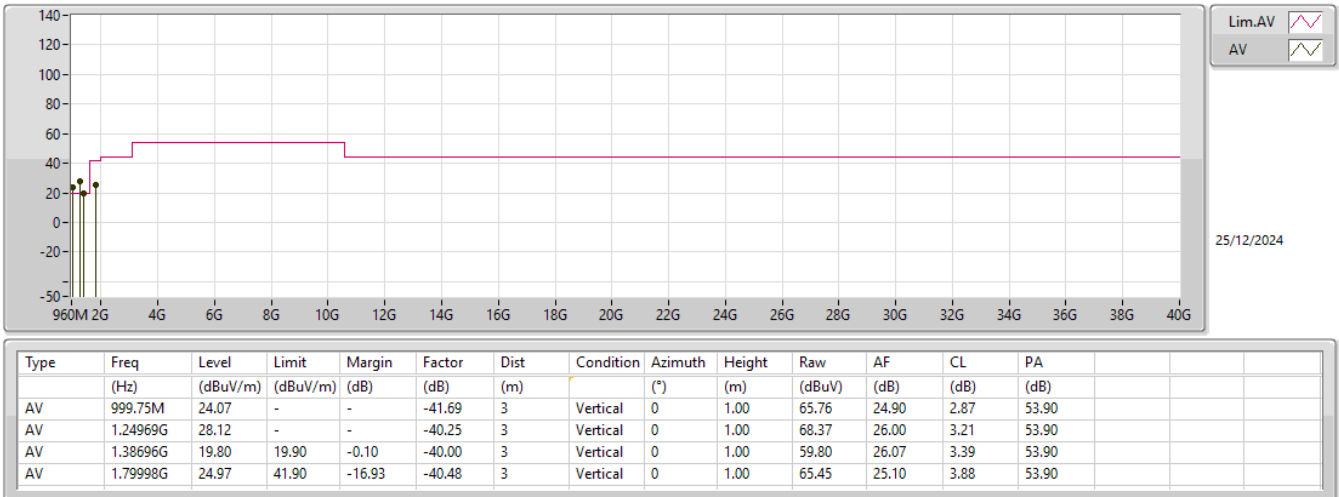
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Ultra Wide Band_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
7987.2MHz	Pass	AV	999.75M	24.07	-	-	3	Vertical	0	1.00
7987.2MHz	Pass	AV	1.24969G	28.12	-	-	3	Vertical	0	1.00
7987.2MHz	Pass	AV	1.38696G	19.80	19.90	-0.10	3	Vertical	0	1.00
7987.2MHz	Pass	AV	1.79998G	24.97	41.90	-16.93	3	Vertical	0	1.00
7987.2MHz	Pass	AV	999.75M	23.65	-	-	3	Horizontal	360	1.00
7987.2MHz	Pass	AV	1.24969G	29.44	-	-	3	Horizontal	360	1.00
7987.2MHz	Pass	AV	1.39966G	22.22	-	-	3	Horizontal	360	1.00
7987.2MHz	Pass	AV	2.60022G	28.65	43.90	-15.25	3	Horizontal	360	1.00
7987.2MHz	Pass	AV	1.17861G	-3.75	9.90	-13.65	3	Vertical	149	2.13
7987.2MHz	Pass	AV	1.20001G	-0.77	9.90	-10.67	3	Vertical	22	2.22
7987.2MHz	Pass	AV	1.22064G	-5.13	9.90	-15.03	3	Vertical	97	1.14
7987.2MHz	Pass	AV	1.18044G	-4.11	9.90	-14.01	3	Horizontal	191	2.08
7987.2MHz	Pass	AV	1.20001G	-1.83	9.90	-11.73	3	Horizontal	287	1.52
7987.2MHz	Pass	AV	1.22031G	-5.49	9.90	-15.39	3	Horizontal	254	1.88
7987.2MHz	Pass	AV	1.56449G	-5.68	9.90	-15.58	3	Vertical	253	2.28
7987.2MHz	Pass	AV	1.59485G	1.23	9.90	-8.67	3	Vertical	49	2.18
7987.2MHz	Pass	AV	1.59722G	1.24	9.90	-8.66	3	Vertical	322	1.88
7987.2MHz	Pass	AV	1.56253G	-4.38	9.90	-14.28	3	Horizontal	121	1.26
7987.2MHz	Pass	AV	1.59485G	-2.08	9.90	-11.98	3	Horizontal	98	2.39
7987.2MHz	Pass	AV	1.59722G	-2.09	9.90	-11.99	3	Horizontal	220	2.03

*The frequencies mentioned in Comments and Explanations are not limited to this Limit.

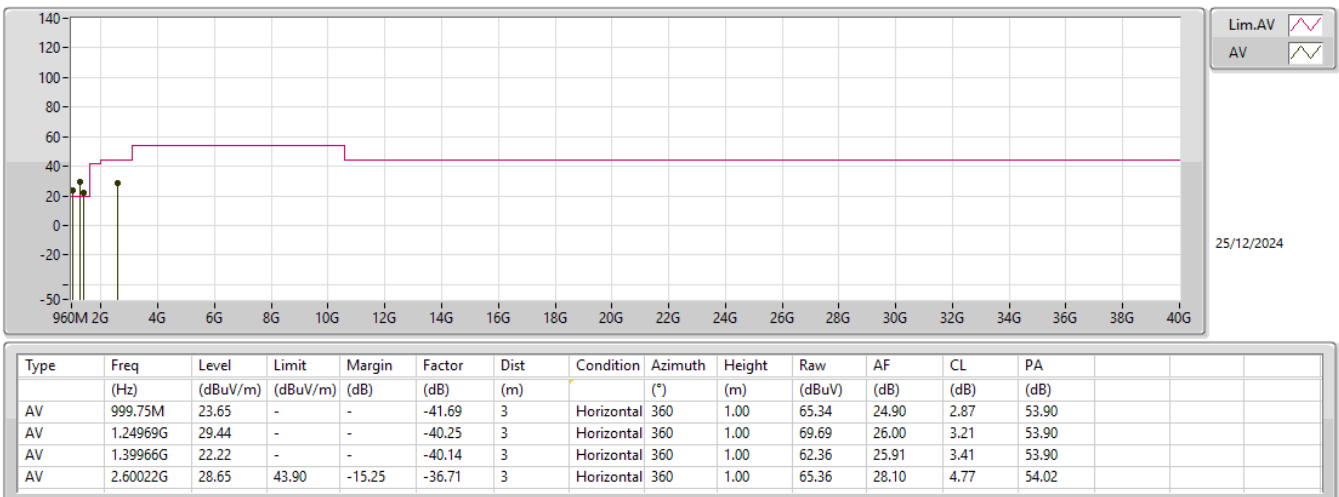
3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX



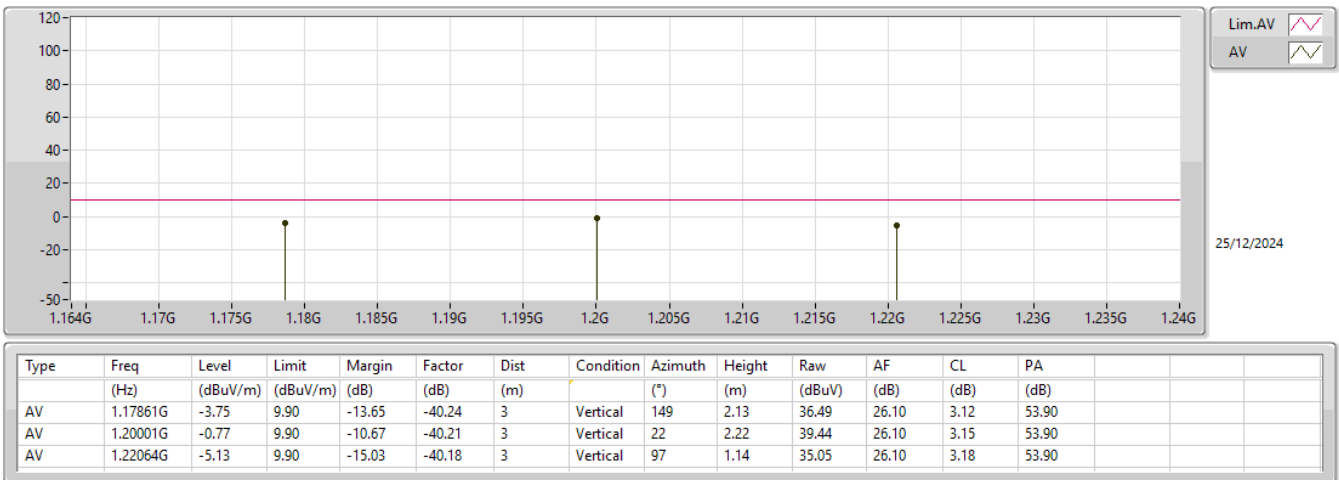
3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX



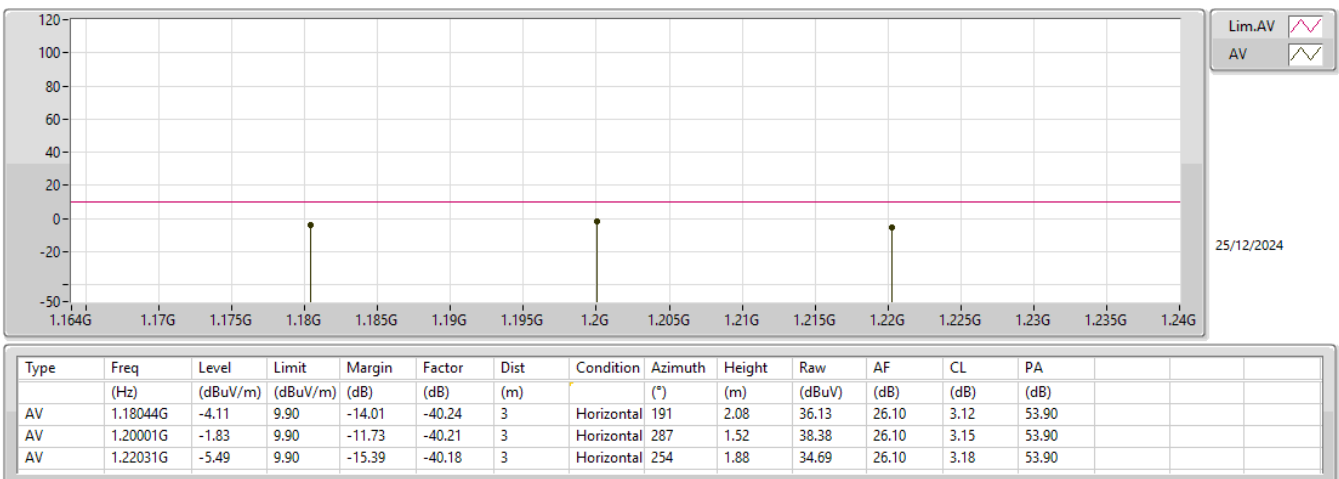
3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX



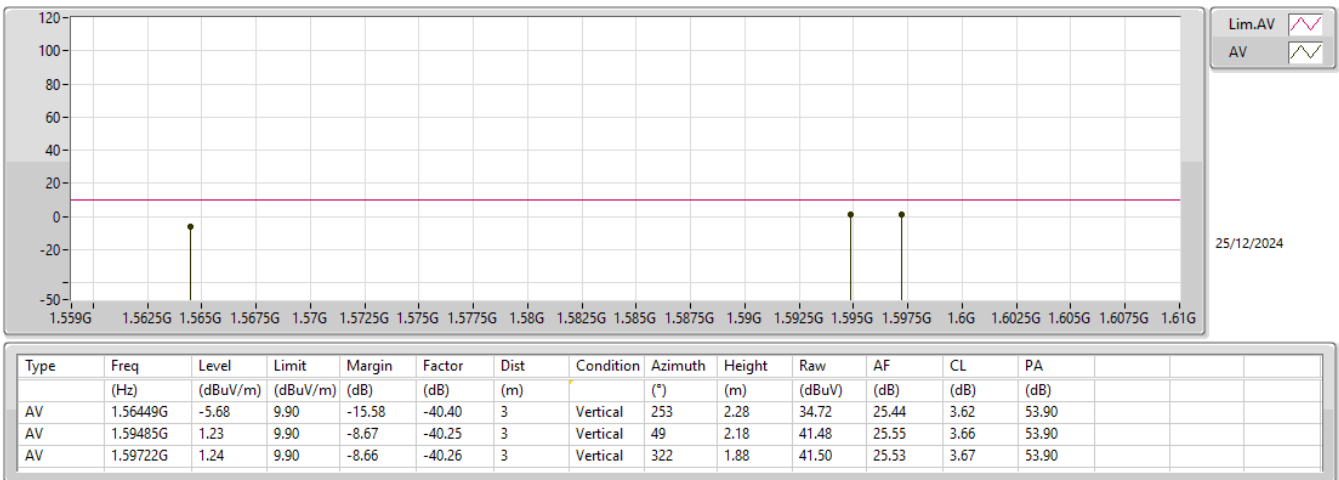
3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX



3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX



3.1-10.6GHz_Ultra Wide Band_Nss1_1TX

7987.2MHz_TX

