FCC Test Report

FCC ID	:	**2A6PM-UA2-TMM-V2**
Equipment	:	**TrioMobil UA Module**
Brand Name	:	**TRIO MOBIL**
Model Name	:	**UA2-TMM-V2**
Applicant	:	**TRIO MOBIL INC 1401 PENNSYLVANIA AVE STE 105 WILMINGTON DELAWARE United States 19806**
Manufacturer	:	**TRIO MOBIL INC 1401 PENNSYLVANIA AVE STE 105 WILMINGTON DELAWARE United States 19806**
Standard	:	**47 CFR FCC Part 15.519**

The product was received on Mar. 28, 2022, and testing was started from May 21, 2022 and completed on Jul. 20, 2022. 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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PHOTOGRAPHS OF EUT V02

History of this test report

Report No.	Version	Description	Issued Date
FR212662	01	Initial issue of report	Jun. 24, 2022
FR212662	02	Revised typo This report is the latest version replacing for the report issued on Jun. 24, 2022	Jul. 01, 2022
FR212662	03	Revised typo This report is the latest version replacing for the report issued on Jul. 01, 2022	Jul. 21, 2022

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	15.519(b)	UWB Bandwidth	PASS	-
3.3	15.203	Cessation Time	PASS	-
3.4	15.519(e)	Peak Emissions within a 50 MHz Bandwidth	PASS	-
3.5	15.519(c) /15.519(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:
None

Reviewed by: Sam Tsai

Report Producer: Jenny Yang

1 General Description

1.1 Information

1.1.1 RF General Information

RF General Information				
Frequency Range (GHz)	Mode	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N_{TX})
3.1-10.6	UWB	3494.4	1[1]	1
	UWB	3993.6	2[1]	1
Note 1: UWB uses BPSK modulation.				

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	Taiyo Yuden	AH086M555003-T	Multilayer Monopole	Surface Mount

Ant.	Port	Gain (dBi)	
		3494.4MHz	3993.6MHz
1	1	2.3	2.6

For UWB function:

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

1.1.3 Type of EUT

Operational Condition	
EUT Power Type	From DC Power supply
Type of EUT	
☐	Stand-alone
☒	Combined (EUT where the radio part is fully integrated within another device) Combined Equipment - Brand Name / Model No.: TRIO MOBIL / UA2-FRU1-V2, UA2-FRU2-V2
☐	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

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
Ultra Wide Band	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

Host Brand	Host Model Name	Unit No.	Number of UWB module
TRIO MOBIL	UA2-FRU1-V2	1	two
TRIO MOBIL	UA2-FRU2-V2	2	one

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	Jack Tang	21.5~22.4°C / 55~62%	21/May/2022
RF Conducted	TH07-HY	Alan Chien	20.1~26.9°C / 50~60%	23/May/2022~15/Jun/2022
Radiated	03CH03-HY	Edward Wang	20.1~23.3°C / 50~60%	21/May/2022~20/Jul/2022
☐ 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**
Conducted Emission (150kHz ~ 30MHz)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 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 Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	12V

Note:
Tnom = Normal Temperature
Vnom = Normal Voltage

2.2 The Worst Case Configuration

Test Software	Docklight

Worst Modulation Used for Conformance Testing		
Mode	**Transmit Chains (N_{TX})**	**Test Channel Frequencies (MHz)**
UWB	1	3494.4, 3993.6

2.3 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	DC Power Supply mode

Note: CTX = Continuous Transmissions

The Worst Case Mode for Following Conformance Tests	
Tests Item	Conducted Emissions, UWB Bandwidth
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests			
Tests Item	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	CTX		
1	DC Power Supply mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
Worst Planes of EUT	V (Unit1)	V(Unit2)	

Note: CTX = Continuous Transmissions

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	Unit No.1 (Left) + Unit No.1 (Right)
Refer to Sporton Test Report No.: FA212662 for Co-location RF Exposure Evaluation and Appendix E for Radiated Emission Co-location.	

2.4 Support Equipment

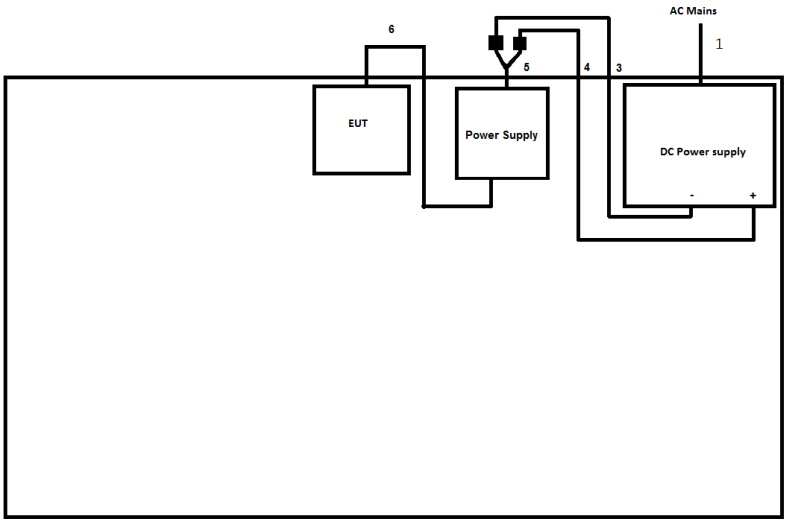
Support Equipment – AC Conduction					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	DC Power Supply	GW	GPS-3030DD	-	-
2	Power Supply	TRIOMOBIL	Forklift Safety	-	Provided by Customer

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

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	DC Power Supply	GW	GPS-3030DD	-	-
2	Power Supply	TRIOMOBIL	Forklift Safety	-	Provided by Customer

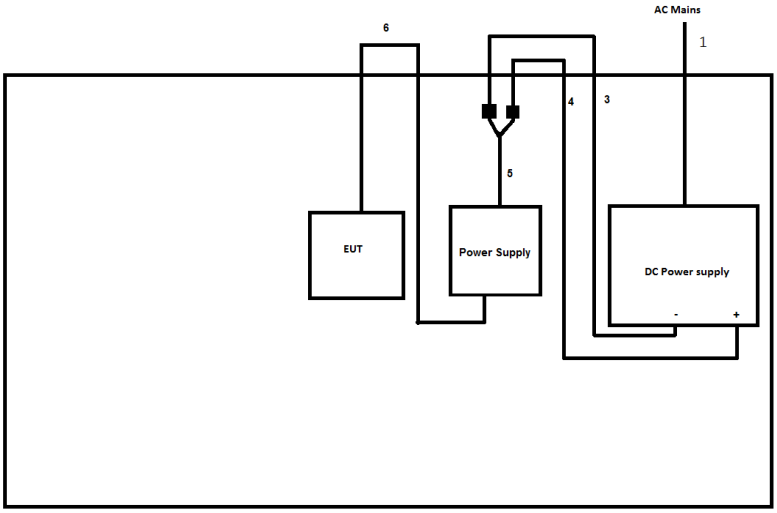
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable(+)	No	1.0	-
3	DC Power cable(-)	No	1.0	-
4	DC Power cable	No	1.8	-
5	DC Power cable	No	6.0	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable(+)	No	1.0	-
3	DC Power cable(-)	No	1.0	-
4	DC Power cable	No	1.8	-
5	DC Power cable	No	6.0	-

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

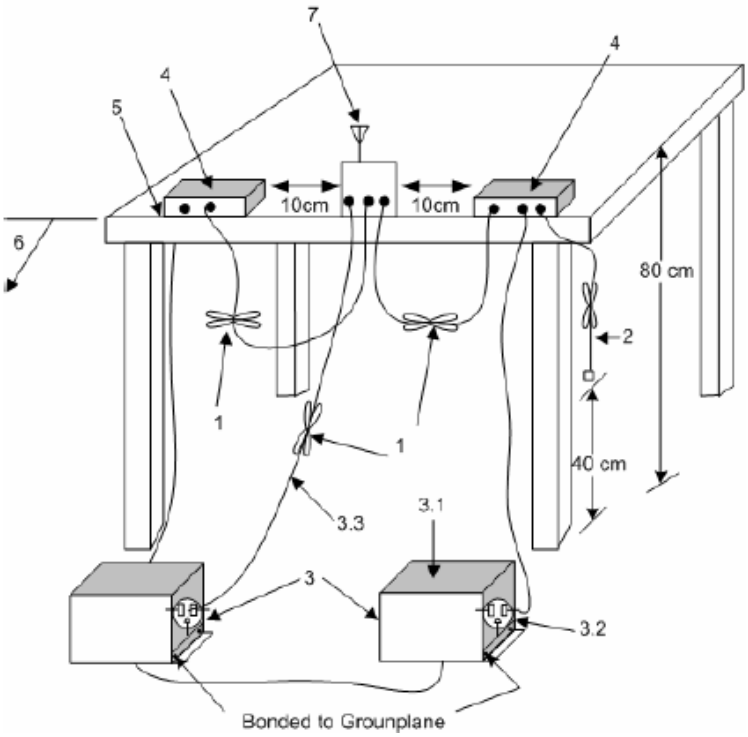
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

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 = $2(f_H - f_L)/(f_H + f_L)$

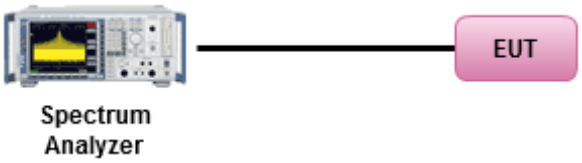
3.2.2 Measuring Instruments

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

UWB Bandwidth


3.2.5 Test Result of UWB Bandwidth

Refer as Appendix B

3.3 Cessation Time

3.3.1 Cessation Time Limit

Cessation Limit
☒ A UWB device operating under the provisions of this section shall transmit only when it is sending information to an associated receiver. The UWB intentional radiator shall cease transmission within 10 seconds unless it receives an acknowledgement from the associated receiver that its transmission is being received. An acknowledgment of reception must continue to be received by the UWB intentional radiator at least every 10 seconds or the UWB device must cease transmitting.

3.3.2 Measuring Instruments

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

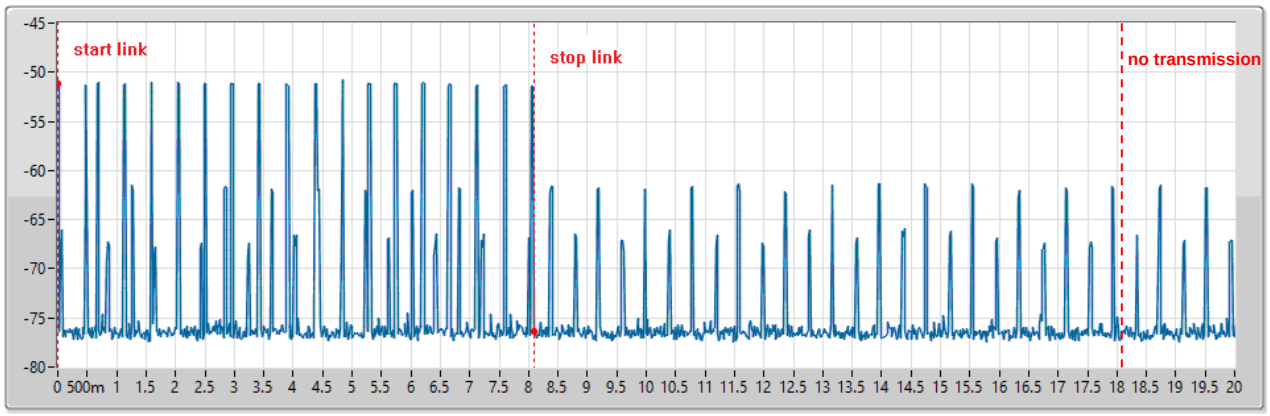
3.3.3 Test Procedures

*Initiator = EUT
*Responder = associated receiver

Transmissions are monitored by the case below:

1. The initiator and responder was connected, and UWB linked. Then the responder ended the UWB link.

3.3.4 Test Result of Cessation Time



3.4 Peak Emissions within a 50 MHz Bandwidth

3.4.1 Peak Emissions within a 50 MHz Bandwidth Limit

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

3.4.2 Measuring Instruments

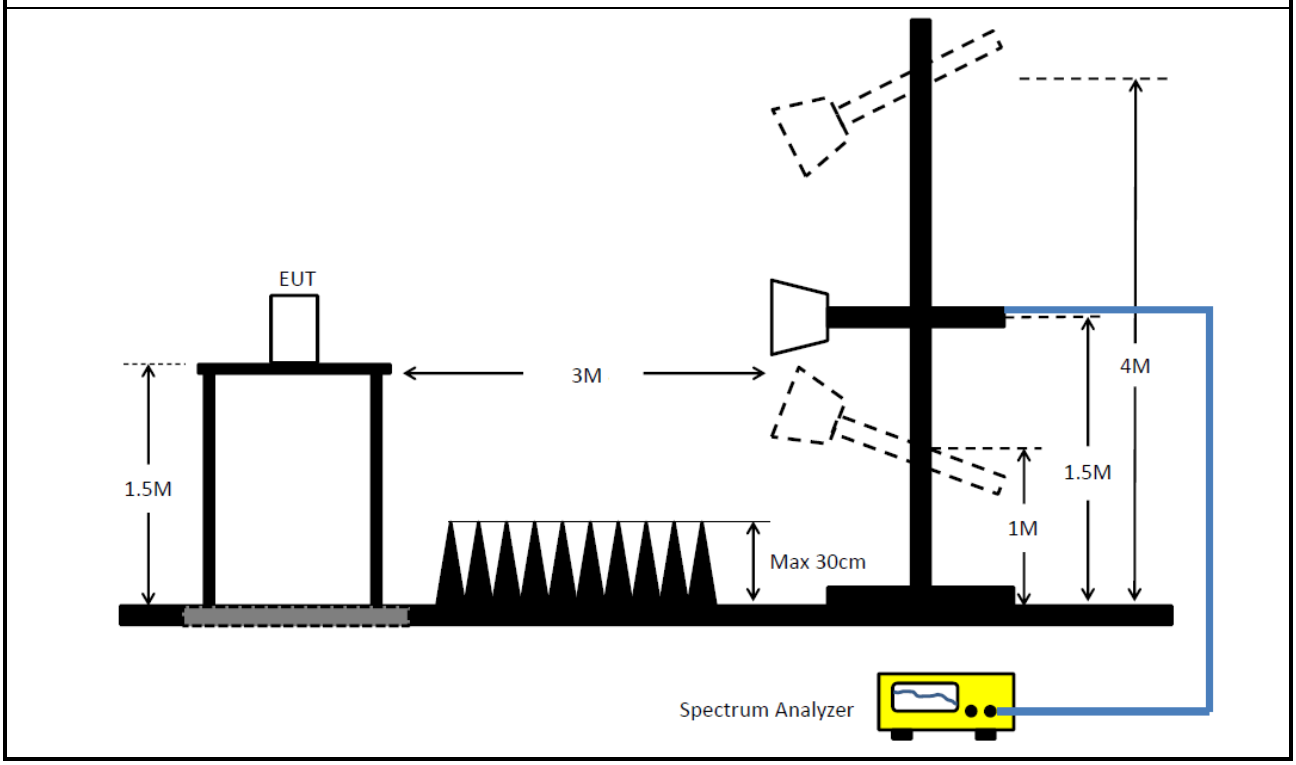
Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method		
☒	Peak 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. 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 10.3.5 for peak detector procedure testing.
	☒	Refer as ANSI C63.10, clause 10.3.6 for bandwidth conversion of peak power. $EIRP_{50MHz} = EIRP_{28MHz} – 20 \log(28MHz/50MHz)$

3.4.4 Test Setup

Peak Emissions



3.4.5 Test Result of Peak Emissions within a 50 MHz Bandwidth

Refer as Appendix C

3.5 Radiated Emissions

3.5.1 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
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.

Radiated Emissions above 960MHz Limit	
Frequency Range (MHz)	**EIRP (dBm)**
960-1610	-75.3
1610-1990	-63.3
1990-3100	-61.3
3100-10600	-41.3
Above 10600	-61.3

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

3.5.2 Measuring Instruments

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

3.5.3 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.

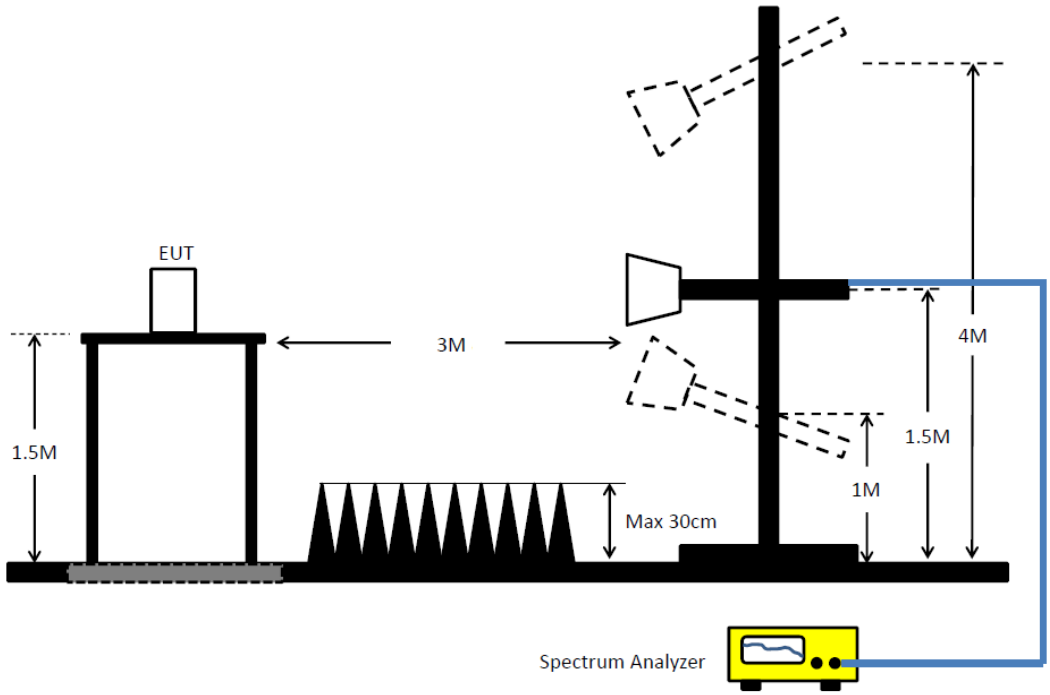
Test Method for Radiated Emissions below 960MHz and Emissions from Digital Circuitry		
☒	Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing 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.	

3.5.4 Measurement Results Calculation

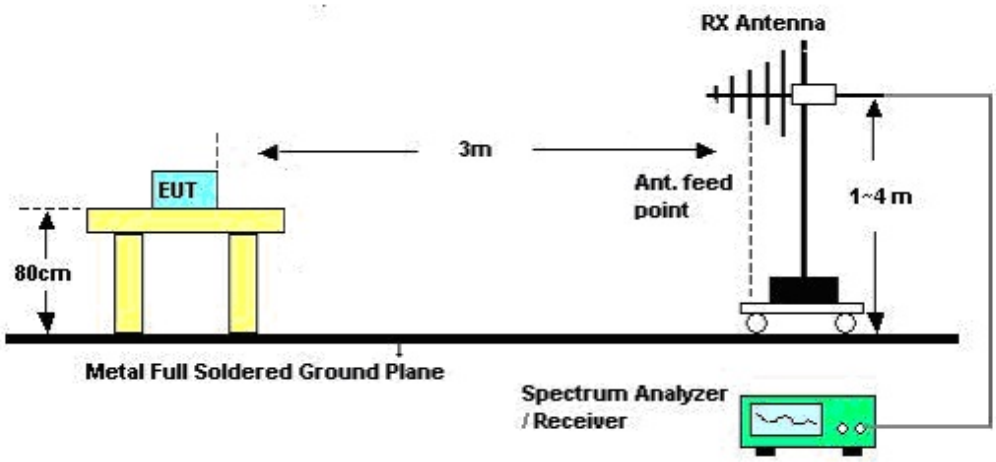
The measured Level is calculated using:
Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

3.5.5 Test Setup

Radiated Emissions above 960MHz



Radiated Emissions below 960MHz and Emissions from Digital Circuitry



Magnetic field tests shall be performed in the frequency range of 9 kHz to 30 MHz using a calibrated loop antenna. Electric field tests shall be performed in the frequency range of 30 MHz to 1000 MHz using a calibrated bi-log antenna and the frequency range of 1 GHz to 40 GHz using a calibrated horn antenna.

3.5.6 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.

3.5.7 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	R&S	ESR	102052	9kHz ~ 3.6GHz	02/Jun/2021	01/Jun/2022
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	18/Feb/2022	17/Feb/2023
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	01/Mar/2022	28/Feb/2023
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	26/Oct/2021	25/Oct/2022
Software	Sporton	SENSE-EMI	V5.10.7	-	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	101515	10Hz~40GHz	14/Feb/2022	13/Feb/2023
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2021	20/Oct/2022
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	17/Dec/2021	16/Dec/2022
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	20/Dec/2021	19/Dec/2022
SENSE-UWB	Sporton	V5.10.6D	N/A	N/A	N/A	N/A

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	03/Aug/2021	02/Aug/2022
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	03/Aug/2021	02/Aug/2022
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	01/Apr/2022	31/Mar/2023
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	08/Apr/2022	07/Apr/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz ~18GHz	14/Sep/2021	13/Sep/2022
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	17/Oct/2021	16/Oct/2022
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	16/Jun/2021	15/Jun/2022
RF Cable-R03m	Jye Bao	RG142	MY37335/4+CB021-1+CB021-2	30MHz~1GHz	22/Mar/2022	21/Mar/2023
RF CABLE 5+6m	HUBER+ SUHNER	SUOFLEX 104	SN MY38596/4+SN 804300/4	1GHz~40GHz	28/Jul/2021	27/Jul/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
EMI Test Receiver	R&S	ESU-26	100422	20Hz ~ 26.5GHz	05/Nov/2021	04/Nov/2022
Microwave Preamplifier	EMC INSTRUMENT	EMC051845BE	980241	1GHz~18GHz	13/May/2022	12/May/2023
SSENSE-UBW	Sporton	NA	5.10.6D	NA	NA	NA

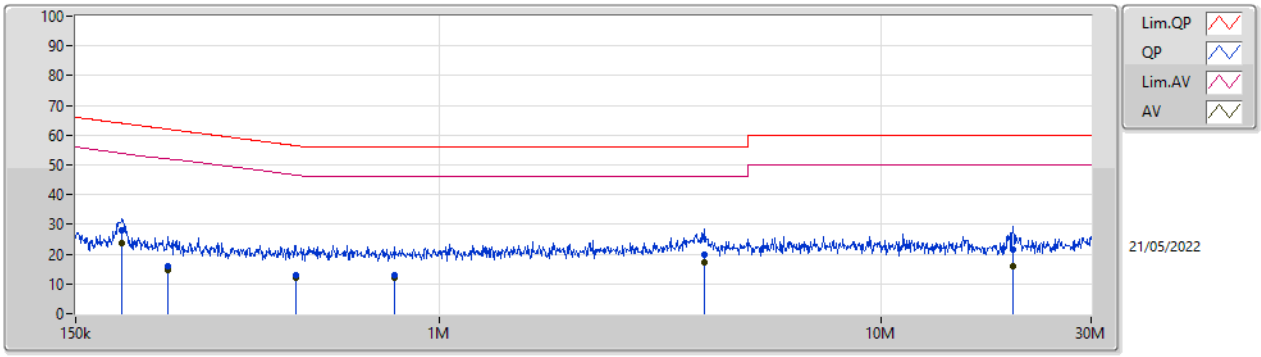
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	3.976M	17.10	46.00	-28.90	Line

Mode Configure

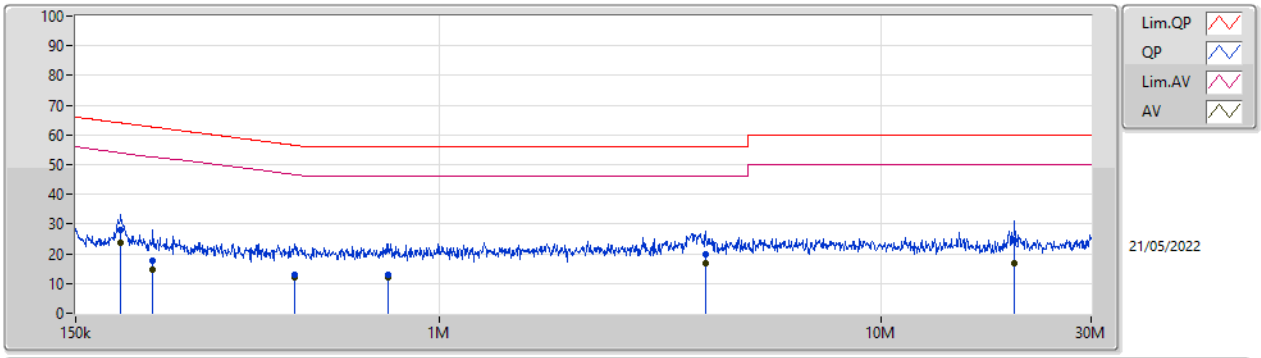
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	191.358k	28.06	63.97	-35.91	Line	-
Mode 1	Pass	AV	191.358k	23.61	53.97	-30.36	Line	-
Mode 1	Pass	QP	243.148k	15.94	61.98	-46.04	Line	-
Mode 1	Pass	AV	243.148k	14.45	51.98	-37.53	Line	-
Mode 1	Pass	QP	473.588k	13.06	56.46	-43.40	Line	-
Mode 1	Pass	AV	473.588k	12.15	46.46	-34.31	Line	-
Mode 1	Pass	QP	792.592k	12.99	56.00	-43.01	Line	-
Mode 1	Pass	AV	792.592k	12.04	46.00	-33.96	Line	-
Mode 1	Pass	QP	3.976M	19.83	56.00	-36.17	Line	-
Mode 1	Pass	AV	3.976M	17.10	46.00	-28.90	Line	-
Mode 1	Pass	QP	19.948M	21.63	60.00	-38.37	Line	-
Mode 1	Pass	AV	19.948M	15.77	50.00	-34.23	Line	-
Mode 1	Pass	QP	189.837k	27.89	64.05	-36.16	Neutral	-
Mode 1	Pass	AV	189.837k	23.68	54.05	-30.37	Neutral	-
Mode 1	Pass	QP	224.49k	17.62	62.65	-45.03	Neutral	-
Mode 1	Pass	AV	224.49k	14.81	52.65	-37.84	Neutral	-
Mode 1	Pass	QP	469.822k	12.96	56.52	-43.56	Neutral	-
Mode 1	Pass	AV	469.822k	12.17	46.52	-34.35	Neutral	-
Mode 1	Pass	QP	767.679k	12.95	56.00	-43.05	Neutral	-
Mode 1	Pass	AV	767.679k	12.08	46.00	-33.92	Neutral	-
Mode 1	Pass	QP	4.008M	19.76	56.00	-36.24	Neutral	-
Mode 1	Pass	AV	4.008M	16.90	46.00	-29.10	Neutral	-
Mode 1	Pass	QP	20.107M	24.40	60.00	-35.60	Neutral	-
Mode 1	Pass	AV	20.107M	16.83	50.00	-33.17	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	191.358k	28.06	63.97	-35.91	19.63	Line	-	8.43	9.69	0.03	9.91
AV	191.358k	23.61	53.97	-30.36	19.63	Line	-	3.98	9.69	0.03	9.91
QP	243.148k	15.94	61.98	-46.04	19.63	Line	-	-3.69	9.69	0.03	9.91
AV	243.148k	14.45	51.98	-37.53	19.63	Line	-	-5.18	9.69	0.03	9.91
QP	473.588k	13.06	56.46	-43.40	19.63	Line	-	-6.57	9.68	0.04	9.91
AV	473.588k	12.15	46.46	-34.31	19.63	Line	-	-7.48	9.68	0.04	9.91
QP	792.592k	12.99	56.00	-43.01	19.65	Line	-	-6.66	9.68	0.05	9.92
AV	792.592k	12.04	46.00	-33.96	19.65	Line	-	-7.61	9.68	0.05	9.92
QP	3.976M	19.83	56.00	-36.17	19.76	Line	-	0.07	9.71	0.13	9.92
AV	3.976M	17.10	46.00	-28.90	19.76	Line	-	-2.66	9.71	0.13	9.92
QP	19.948M	21.63	60.00	-38.37	19.99	Line	-	1.64	9.79	0.27	9.93
AV	19.948M	15.77	50.00	-34.23	19.99	Line	-	-4.22	9.79	0.27	9.93

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	189.837k	27.89	64.05	-36.16	19.66	Neutral	-	8.23	9.72	0.03	9.91
AV	189.837k	23.68	54.05	-30.37	19.66	Neutral	-	4.02	9.72	0.03	9.91
QP	224.49k	17.62	62.65	-45.03	19.66	Neutral	-	-2.04	9.72	0.03	9.91
AV	224.49k	14.81	52.65	-37.84	19.66	Neutral	-	-4.85	9.72	0.03	9.91
QP	469.822k	12.96	56.52	-43.56	19.67	Neutral	-	-6.71	9.72	0.04	9.91
AV	469.822k	12.17	46.52	-34.35	19.67	Neutral	-	-7.50	9.72	0.04	9.91
QP	767.679k	12.95	56.00	-43.05	19.70	Neutral	-	-6.75	9.73	0.05	9.92
AV	767.679k	12.08	46.00	-33.92	19.70	Neutral	-	-7.62	9.73	0.05	9.92
QP	4.008M	19.76	56.00	-36.24	19.81	Neutral	-	-0.05	9.76	0.13	9.92
AV	4.008M	16.90	46.00	-29.10	19.81	Neutral	-	-2.91	9.76	0.13	9.92
QP	20.107M	24.40	60.00	-35.60	20.19	Neutral	-	4.21	9.99	0.27	9.93
AV	20.107M	16.83	50.00	-33.17	20.19	Neutral	-	-3.36	9.99	0.27	9.93

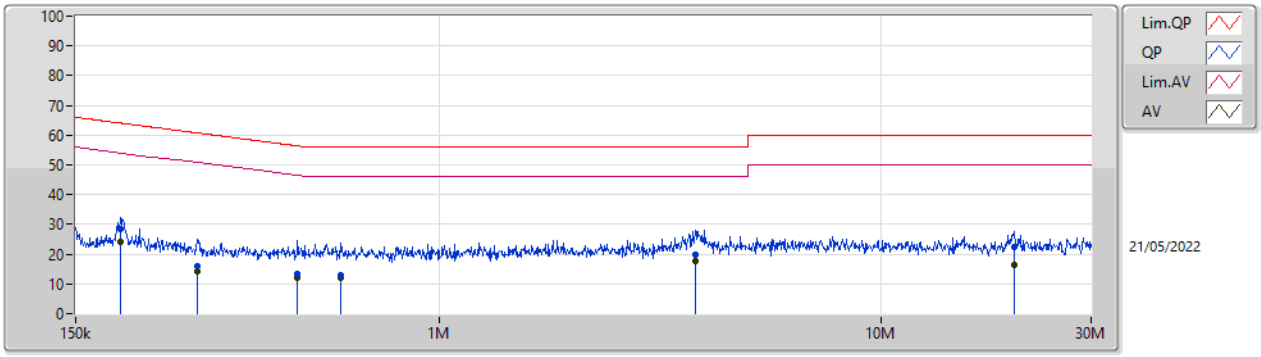
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	3.913M	17.84	46.00	-28.16	Neutral

Mode Configure

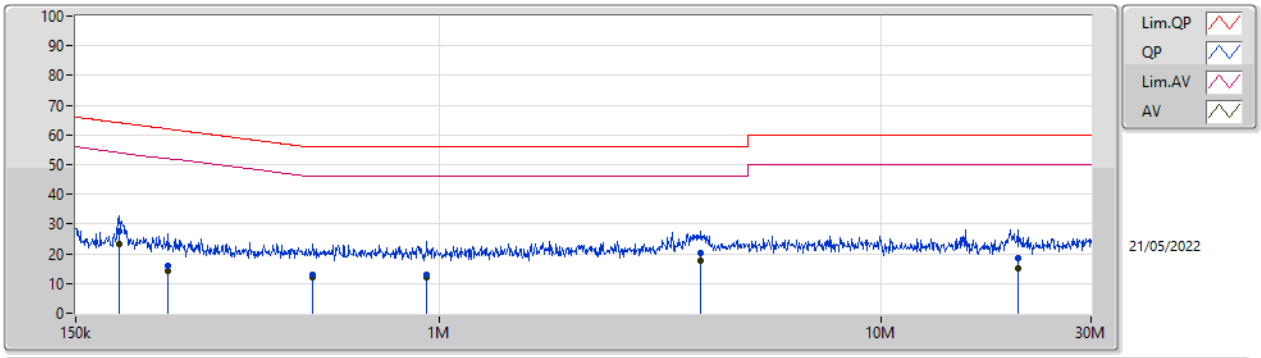
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	189.837k	28.27	64.05	-35.78	Line	-
Mode 1	Pass	AV	189.837k	24.08	54.05	-29.97	Line	-
Mode 1	Pass	QP	282.977k	16.04	60.72	-44.68	Line	-
Mode 1	Pass	AV	282.977k	14.13	50.72	-36.59	Line	-
Mode 1	Pass	QP	477.384k	13.35	56.38	-43.03	Line	-
Mode 1	Pass	AV	477.384k	12.19	46.38	-34.19	Line	-
Mode 1	Pass	QP	599.363k	12.86	56.00	-43.14	Line	-
Mode 1	Pass	AV	599.363k	12.02	46.00	-33.98	Line	-
Mode 1	Pass	QP	3.805M	19.86	56.00	-36.14	Line	-
Mode 1	Pass	AV	3.805M	17.52	46.00	-28.48	Line	-
Mode 1	Pass	QP	20.107M	22.54	60.00	-37.46	Line	-
Mode 1	Pass	AV	20.107M	16.31	50.00	-33.69	Line	-
Mode 1	Pass	QP	188.327k	27.67	64.11	-36.44	Neutral	-
Mode 1	Pass	AV	188.327k	23.23	54.11	-30.88	Neutral	-
Mode 1	Pass	QP	243.148k	15.99	61.98	-45.99	Neutral	-
Mode 1	Pass	AV	243.148k	14.43	51.98	-37.55	Neutral	-
Mode 1	Pass	QP	517.062k	12.74	56.00	-43.26	Neutral	-
Mode 1	Pass	AV	517.062k	12.06	46.00	-33.94	Neutral	-
Mode 1	Pass	QP	937.272k	12.89	56.00	-43.11	Neutral	-
Mode 1	Pass	AV	937.272k	12.09	46.00	-33.91	Neutral	-
Mode 1	Pass	QP	3.913M	20.06	56.00	-35.94	Neutral	-
Mode 1	Pass	AV	3.913M	17.84	46.00	-28.16	Neutral	-
Mode 1	Pass	QP	20.431M	18.71	60.00	-41.29	Neutral	-
Mode 1	Pass	AV	20.431M	15.22	50.00	-34.78	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	189.837k	28.27	64.05	-35.78	19.63	Line	-	8.64	9.69	0.03	9.91
AV	189.837k	24.08	54.05	-29.97	19.63	Line	-	4.45	9.69	0.03	9.91
QP	282.977k	16.04	60.72	-44.68	19.63	Line	-	-3.59	9.68	0.04	9.91
AV	282.977k	14.13	50.72	-36.59	19.63	Line	-	-5.50	9.68	0.04	9.91
QP	477.384k	13.35	56.38	-43.03	19.63	Line	-	-6.28	9.68	0.04	9.91
AV	477.384k	12.19	46.38	-34.19	19.63	Line	-	-7.44	9.68	0.04	9.91
QP	599.363k	12.86	56.00	-43.14	19.63	Line	-	-6.77	9.68	0.04	9.91
AV	599.363k	12.02	46.00	-33.98	19.63	Line	-	-7.61	9.68	0.04	9.91
QP	3.805M	19.86	56.00	-36.14	19.76	Line	-	0.10	9.71	0.13	9.92
AV	3.805M	17.52	46.00	-28.48	19.76	Line	-	-2.24	9.71	0.13	9.92
QP	20.107M	22.54	60.00	-37.46	19.99	Line	-	2.55	9.79	0.27	9.93
AV	20.107M	16.31	50.00	-33.69	19.99	Line	-	-3.68	9.79	0.27	9.93

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	188.327k	27.67	64.11	-36.44	19.66	Neutral	-	8.01	9.72	0.03	9.91
AV	188.327k	23.23	54.11	-30.88	19.66	Neutral	-	3.57	9.72	0.03	9.91
QP	243.148k	15.99	61.98	-45.99	19.66	Neutral	-	-3.67	9.72	0.03	9.91
AV	243.148k	14.43	51.98	-37.55	19.66	Neutral	-	-5.23	9.72	0.03	9.91
QP	517.062k	12.74	56.00	-43.26	19.67	Neutral	-	-6.93	9.72	0.04	9.91
AV	517.062k	12.06	46.00	-33.94	19.67	Neutral	-	-7.61	9.72	0.04	9.91
QP	937.272k	12.89	56.00	-43.11	19.70	Neutral	-	-6.81	9.73	0.05	9.92
AV	937.272k	12.09	46.00	-33.91	19.70	Neutral	-	-7.61	9.73	0.05	9.92
QP	3.913M	20.06	56.00	-35.94	19.81	Neutral	-	0.25	9.76	0.13	9.92
AV	3.913M	17.84	46.00	-28.16	19.81	Neutral	-	-1.97	9.76	0.13	9.92
QP	20.431M	18.71	60.00	-41.29	20.20	Neutral	-	-1.49	10.00	0.27	9.93
AV	20.431M	15.22	50.00	-34.78	20.20	Neutral	-	-4.98	10.00	0.27	9.93

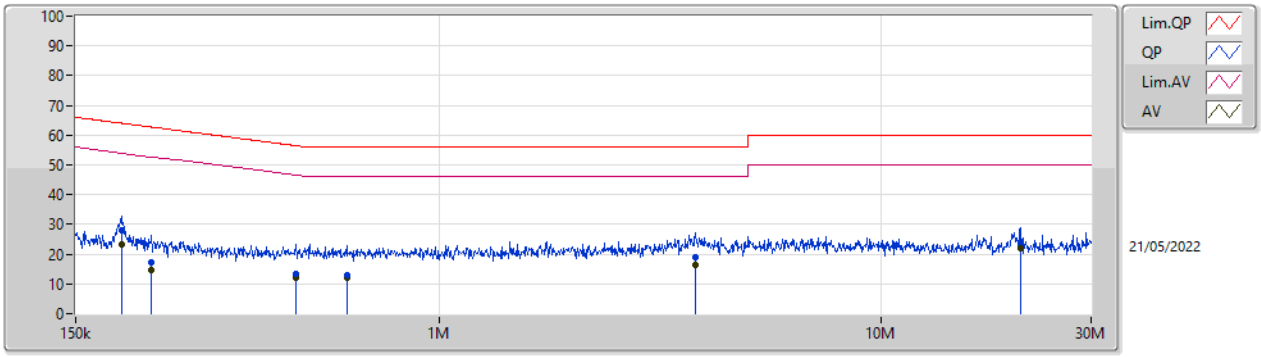
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	20.76M	22.06	50.00	-27.94	Line

Mode Configure

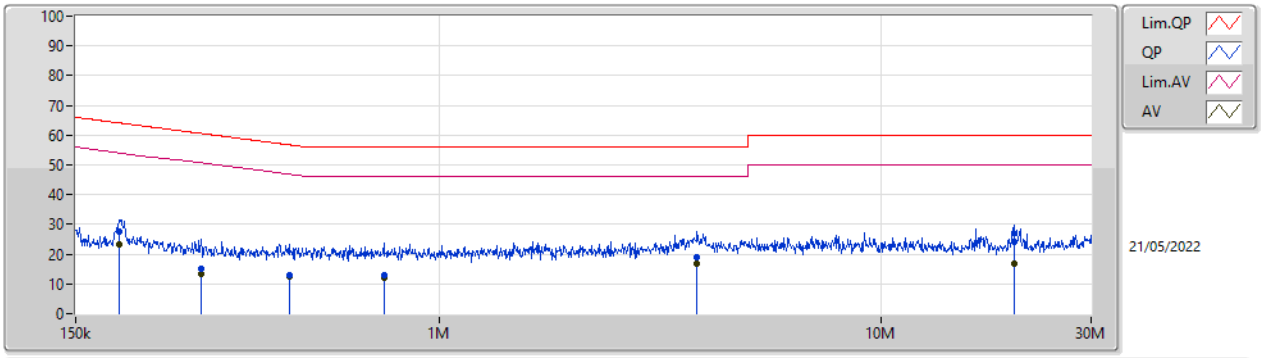
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	190.596k	27.91	64.01	-36.10	Line	-
Mode 1	Pass	AV	190.596k	23.39	54.01	-30.62	Line	-
Mode 1	Pass	QP	222.704k	17.18	62.71	-45.53	Line	-
Mode 1	Pass	AV	222.704k	14.69	52.71	-38.02	Line	-
Mode 1	Pass	QP	473.588k	13.25	56.46	-43.21	Line	-
Mode 1	Pass	AV	473.588k	12.20	46.46	-34.26	Line	-
Mode 1	Pass	QP	616.347k	12.77	56.00	-43.23	Line	-
Mode 1	Pass	AV	616.347k	11.92	46.00	-34.08	Line	-
Mode 1	Pass	QP	3.805M	18.87	56.00	-37.13	Line	-
Mode 1	Pass	AV	3.805M	16.49	46.00	-29.51	Line	-
Mode 1	Pass	QP	20.76M	24.03	60.00	-35.97	Line	-
Mode 1	Pass	AV	20.76M	22.06	50.00	-27.94	Line	-
Mode 1	Pass	QP	188.327k	27.44	64.11	-36.67	Neutral	-
Mode 1	Pass	AV	188.327k	23.11	54.11	-31.00	Neutral	-
Mode 1	Pass	QP	288.682k	15.20	60.57	-45.37	Neutral	-
Mode 1	Pass	AV	288.682k	13.55	50.57	-37.02	Neutral	-
Mode 1	Pass	QP	456.875k	13.13	56.75	-43.62	Neutral	-
Mode 1	Pass	AV	456.875k	12.29	46.75	-34.46	Neutral	-
Mode 1	Pass	QP	749.51k	12.89	56.00	-43.11	Neutral	-
Mode 1	Pass	AV	749.51k	12.01	46.00	-33.99	Neutral	-
Mode 1	Pass	QP	3.836M	19.12	56.00	-36.88	Neutral	-
Mode 1	Pass	AV	3.836M	16.90	46.00	-29.10	Neutral	-
Mode 1	Pass	QP	20.107M	24.09	60.00	-35.91	Neutral	-
Mode 1	Pass	AV	20.107M	17.01	50.00	-32.99	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	190.596k	27.91	64.01	-36.10	19.63	Line	-	8.28	9.69	0.03	9.91
AV	190.596k	23.39	54.01	-30.62	19.63	Line	-	3.76	9.69	0.03	9.91
QP	222.704k	17.18	62.71	-45.53	19.63	Line	-	-2.45	9.69	0.03	9.91
AV	222.704k	14.69	52.71	-38.02	19.63	Line	-	-4.94	9.69	0.03	9.91
QP	473.588k	13.25	56.46	-43.21	19.63	Line	-	-6.38	9.68	0.04	9.91
AV	473.588k	12.20	46.46	-34.26	19.63	Line	-	-7.43	9.68	0.04	9.91
QP	616.347k	12.77	56.00	-43.23	19.63	Line	-	-6.86	9.68	0.04	9.91
AV	616.347k	11.92	46.00	-34.08	19.63	Line	-	-7.71	9.68	0.04	9.91
QP	3.805M	18.87	56.00	-37.13	19.76	Line	-	-0.89	9.71	0.13	9.92
AV	3.805M	16.49	46.00	-29.51	19.76	Line	-	-3.27	9.71	0.13	9.92
QP	20.76M	24.03	60.00	-35.97	20.00	Line	-	4.03	9.79	0.28	9.93
AV	20.76M	22.06	50.00	-27.94	20.00	Line	-	2.06	9.79	0.28	9.93

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	188.327k	27.44	64.11	-36.67	19.66	Neutral	-	7.78	9.72	0.03	9.91
AV	188.327k	23.11	54.11	-31.00	19.66	Neutral	-	3.45	9.72	0.03	9.91
QP	288.682k	15.20	60.57	-45.37	19.67	Neutral	-	-4.47	9.72	0.04	9.91
AV	288.682k	13.55	50.57	-37.02	19.67	Neutral	-	-6.12	9.72	0.04	9.91
QP	456.875k	13.13	56.75	-43.62	19.67	Neutral	-	-6.54	9.72	0.04	9.91
AV	456.875k	12.29	46.75	-34.46	19.67	Neutral	-	-7.38	9.72	0.04	9.91
QP	749.51k	12.89	56.00	-43.11	19.70	Neutral	-	-6.81	9.73	0.05	9.92
AV	749.51k	12.01	46.00	-33.99	19.70	Neutral	-	-7.69	9.73	0.05	9.92
QP	3.836M	19.12	56.00	-36.88	19.81	Neutral	-	-0.69	9.76	0.13	9.92
AV	3.836M	16.90	46.00	-29.10	19.81	Neutral	-	-2.91	9.76	0.13	9.92
QP	20.107M	24.09	60.00	-35.91	20.19	Neutral	-	3.90	9.99	0.27	9.93
AV	20.107M	17.01	50.00	-32.99	20.19	Neutral	-	-3.18	9.99	0.27	9.93

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	602.16M	701.025M	701MD1D	504.192M	617.451M

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
Ultra Wide Band_Nss1_1TX	-	-	-	-
3494.4MHz	Pass	500M	504.192M	617.451M
3993.6MHz	Pass	500M	602.16M	701.025M

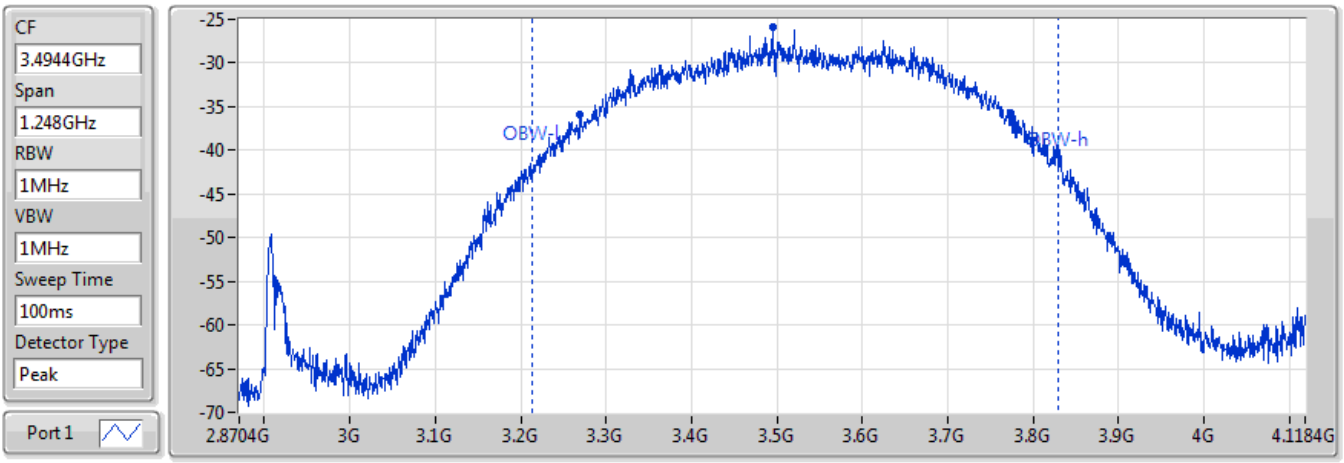
Port X-N dB = Port **X** 10dB down bandwidth
Port X-OBW = Port **X** 99% occupied bandwidth

Ultra Wide Band_Nss1_1TX

OBW

3494.4MHz

23/05/2022



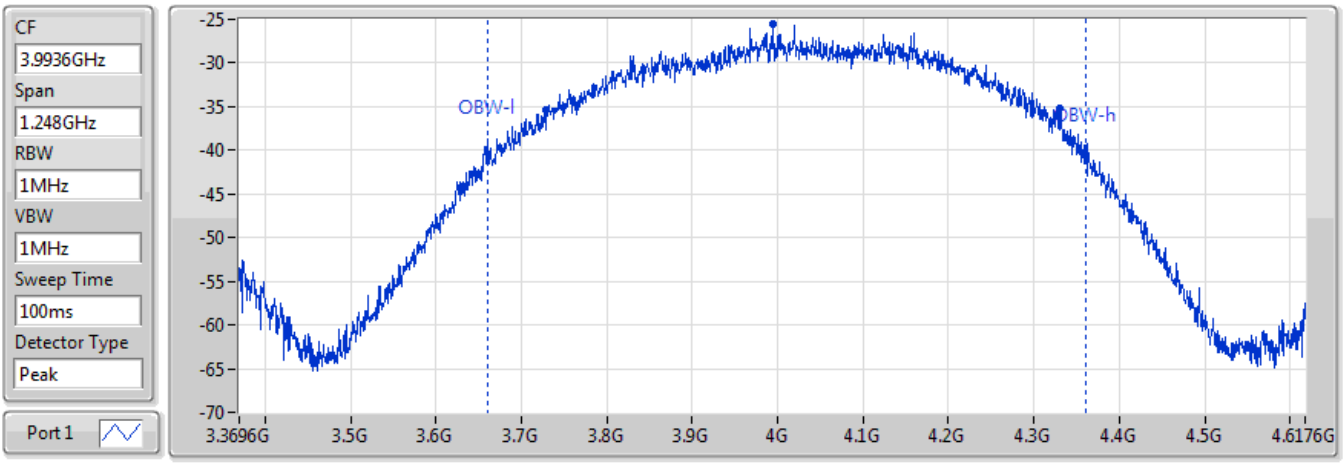
10dB(Hz)	Fl-10dB(Hz)	Fh-10dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
504.192M	3.26976G	3.773952G	617.451M	3.212493G	3.829944G	500M	1

Ultra Wide Band_Nss1_1TX

OBW

3993.6MHz

23/05/2022



10dB(Hz)	Fl-10dB(Hz)	Fh-10dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
602.16M	3.729024G	4.331184G	701.025M	3.659927G	4.360952G	500M	1

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	595.92M	702.273M	702MD1D	500.2M	617.451M

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
Ultra Wide Band_Nss1_1TX	-	-	-	-
3494.4MHz	Pass	500M	500.2M	617.451M
3993.6MHz	Pass	500M	595.92M	702.273M

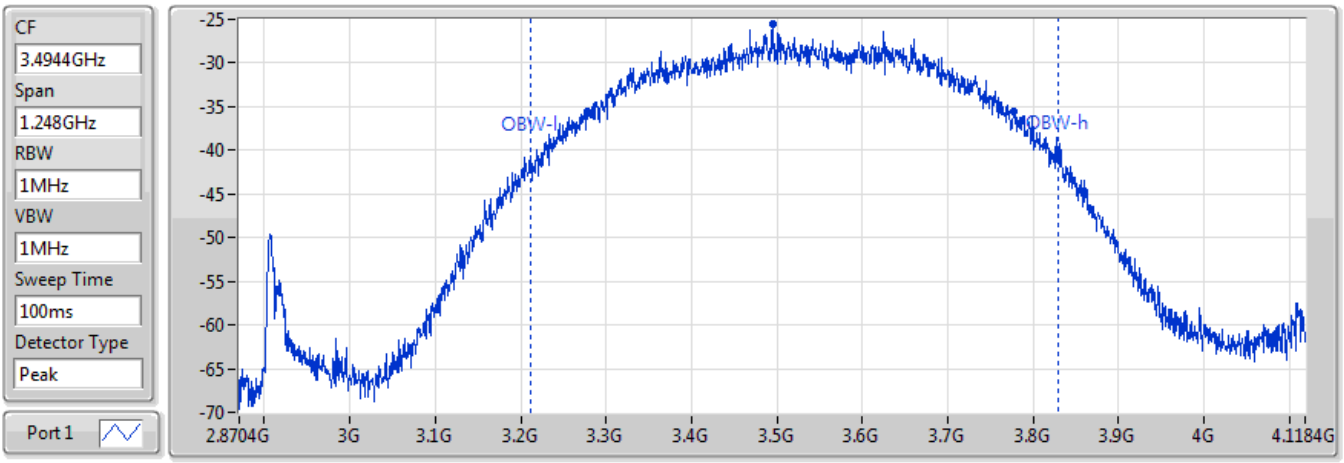
Port X-N dB = Port **X 10**dB down bandwidth
Port X-OBW = Port **X** 99% occupied bandwidth

Ultra Wide Band_Nss1_1TX

OBW

3494.4MHz

23/05/2022



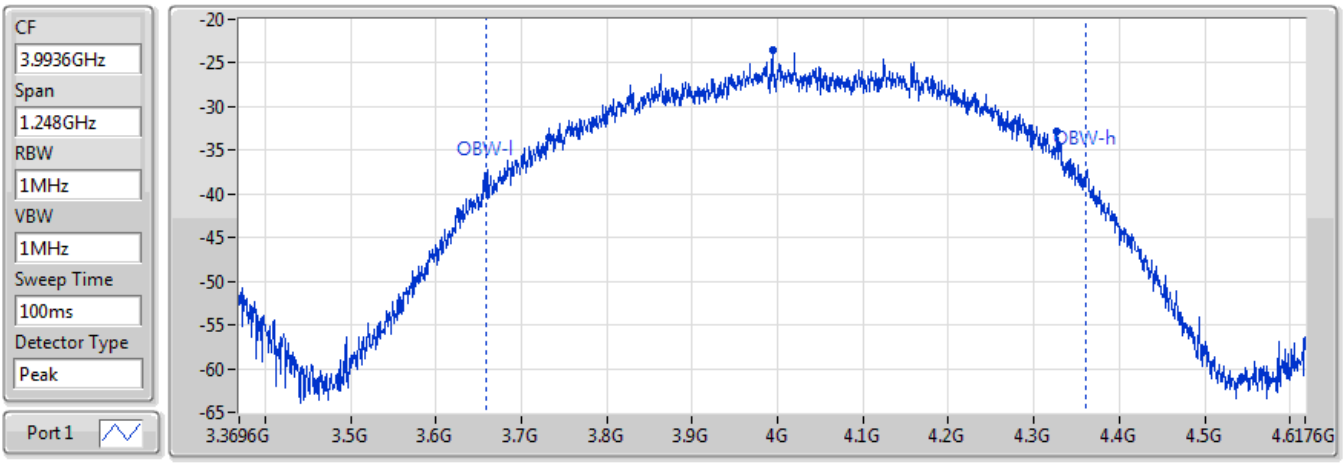
10dB(Hz)	Fl-10dB(Hz)	Fh-10dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
500.2M	3.277248G	3.777072G	617.451M	3.211869G	3.829321G	500M	1

Ultra Wide Band_Nss1_1TX

OBW

3993.6MHz

23/05/2022



10dB(Hz)	Fl-10dB(Hz)	Fh-10dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
595.92M	3.73152G	4.32744G	702.273M	3.659303G	4.361576G	500M	1

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	598.416M	701.025M	701MD1D	500.12M	619.322M

Result

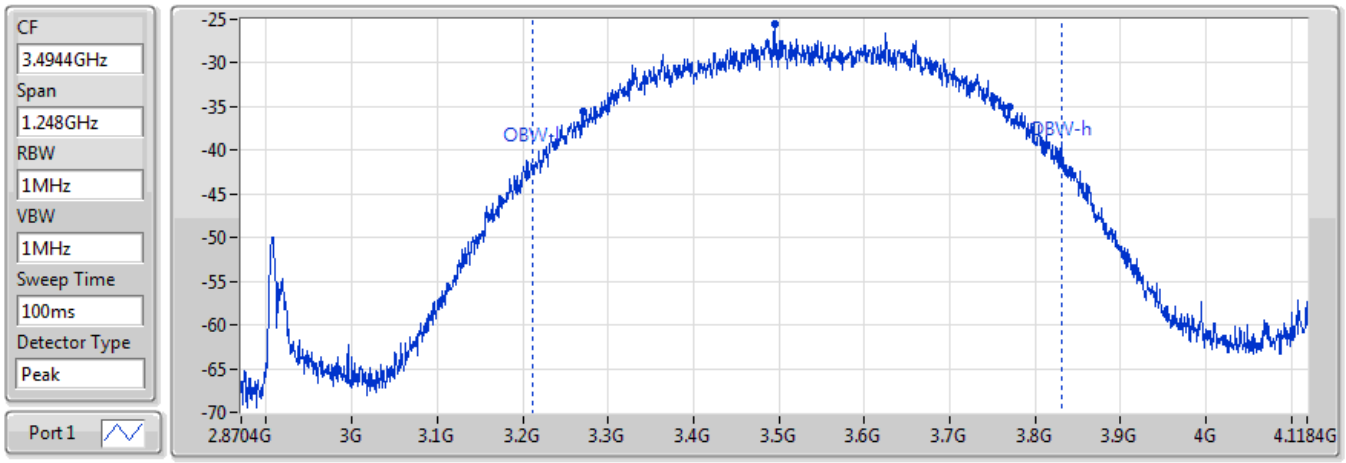
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
Ultra Wide Band_Nss1_1TX	-	-	-	-
3494.4MHz	Pass	500M	500..12M	619.322M
3993.6MHz	Pass	500M	598.416M	701.025M

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

Ultra Wide Band_Nss1_1TX OBW

3494.4MHz

23/05/2022

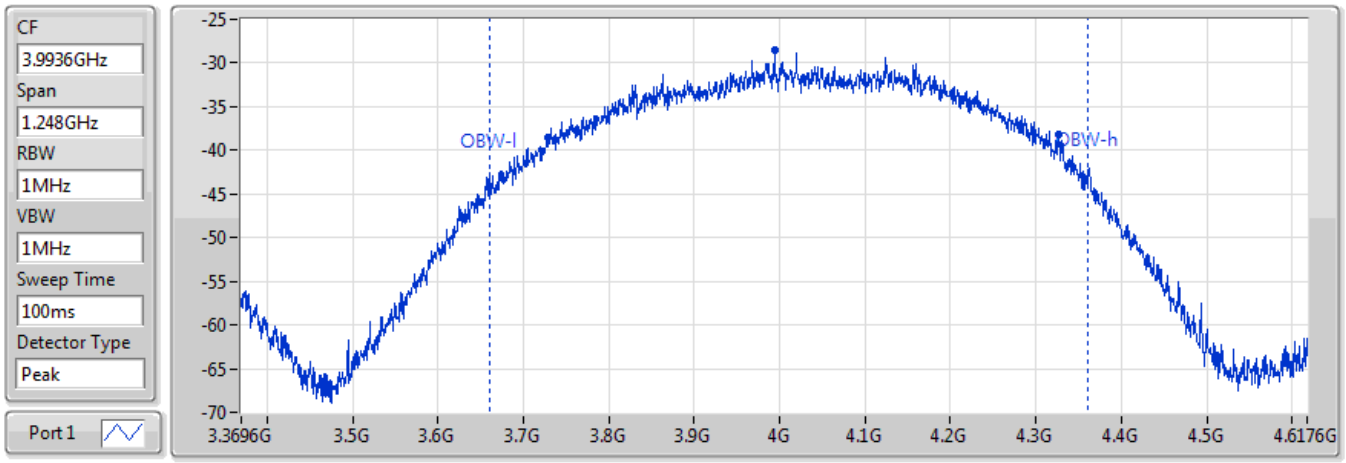


10dB(Hz)	Fl-10dB(Hz)	Fh-10dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
500.12M	3.270384G	3.770208G	619.322M	3.211869G	3.831192G	500M	1

Ultra Wide Band_Nss1_1TX OBW

3993.6MHz

23/05/2022



10dB(Hz)	Fl-10dB(Hz)	Fh-10dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
598.416M	3.729024G	4.32744G	701.025M	3.660551G	4.361576G	500M	1

Summary

Mode	EIRP PD (dBm/50MHz)
3.1-10.6GHz	-
Ultra Wide Band_Nss1_1TX	-15.59

Result

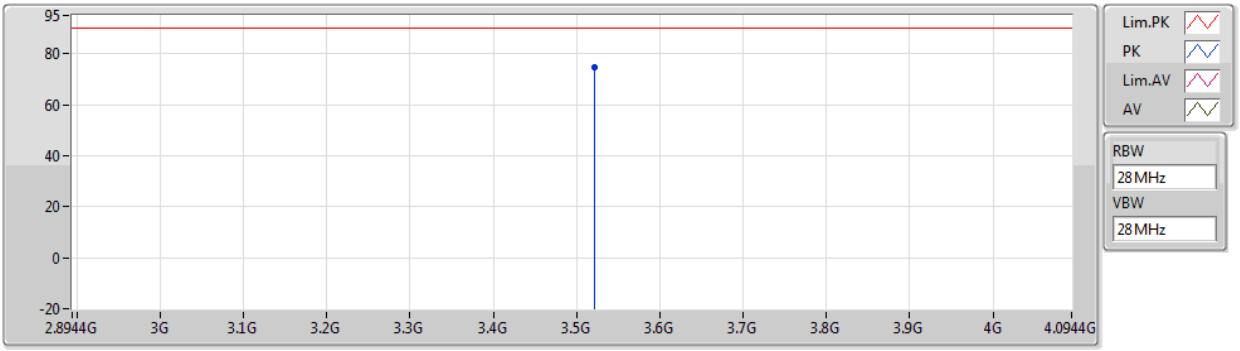
Mode	Result	Raw (dBuV/m)	RBW (MHz)	Factor (dB)	EIRP PD (dBm/50MHz)	EIRP PD Limit (dBm/50MHz)
Ultra Wide Band_Nss1_1TX	-	-		-	-	-
3494.4MHz	Pass	74.28	28	-89.87	-15.59	0
3993.6MHz	Pass	68.77	28	-87.81	-19.04	0

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

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

13/07/2022

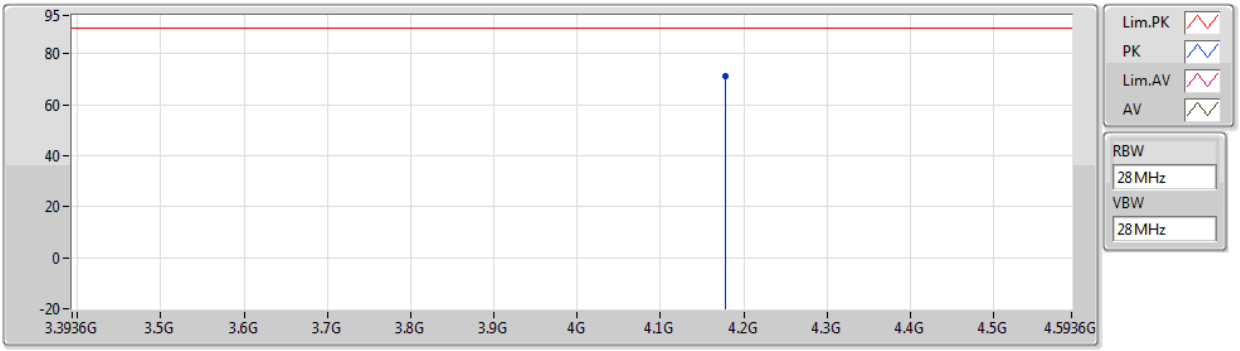


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	3.5223G	74.57	90.16	-15.31	0.29	3	Vertical	245	1.03	-	74.28	29.41	5.33	34.45

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

13/07/2022



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	4.17839G	71.12	90.16	-19.04	2.35	3	Vertical	61	1.04	-	68.77	30.91	5.87	34.43

Summary

Mode	EIRP PD (dBm/50MHz)
3.1-10.6GHz	-
Ultra Wide Band_Nss1_1TX	-9.15

Result

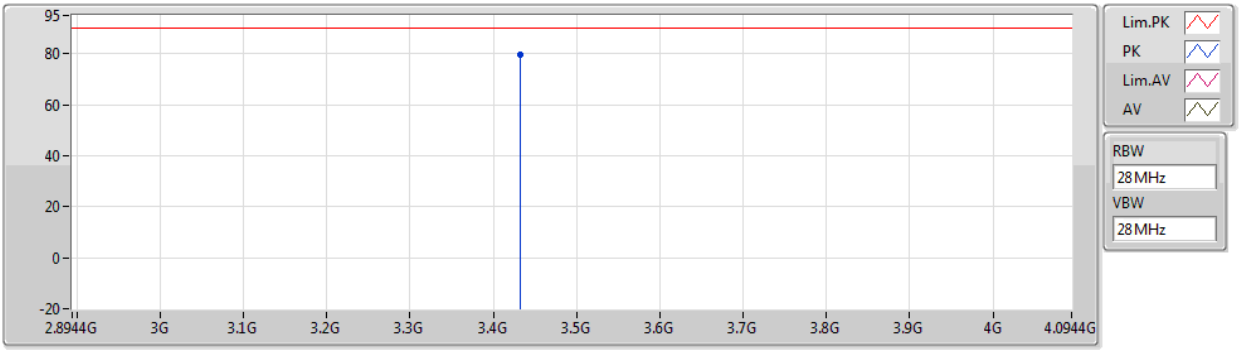
Mode	Result	Raw (dBuV/m)	RBW (MHz)	Factor (dB)	EIRP PD (dBm/50MHz)	EIRP PD Limit (dBm/50MHz)
Ultra Wide Band_Nss1_1TX	-	-		-	-	-
3494.4MHz	Pass	79.07	28	-89.69	-10.62	0
3993.6MHz	Pass	78.56	28	-87.71	-9.15	0

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

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

13/07/2022

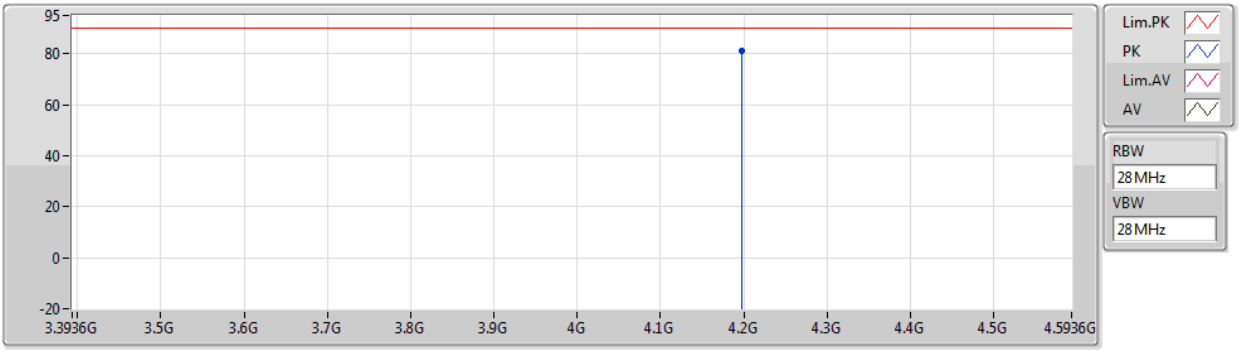


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	3.4323G	79.54	90.16	-10.62	0.47	3	Vertical	347	1.33	-	79.07	29.64	5.26	34.43

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

13/07/2022



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	4.19759G	81.01	90.16	-9.06	2.45	3	Vertical	235	2.32	-	78.56	30.99	5.90	34.44

Summary

Mode	EIRP PD (dBm/50MHz)
3.1-10.6GHz	-
Ultra Wide Band_Nss1_1TX	-6.25

Result

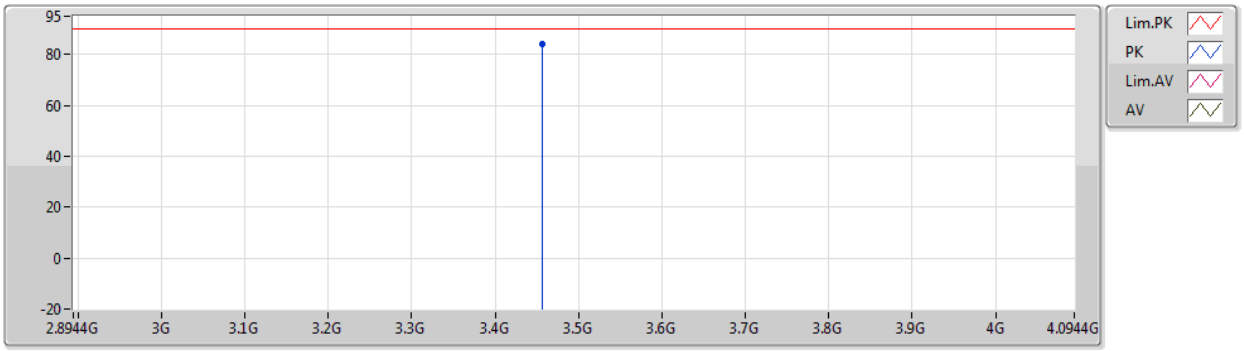
Mode	Result	Raw (dBuV/m)	RBW (MHz)	Factor (dB)	EIRP PD (dBm/50MHz)	EIRP PD Limit (dBm/50MHz)
Ultra Wide Band_Nss1_1TX	-	-		-	-	-
3494.4MHz	Pass	83.48	28	-89.73	-6.25	0
3993.6MHz	Pass	80.83	28	-88.05	-7.22	0

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

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

21/05/2022

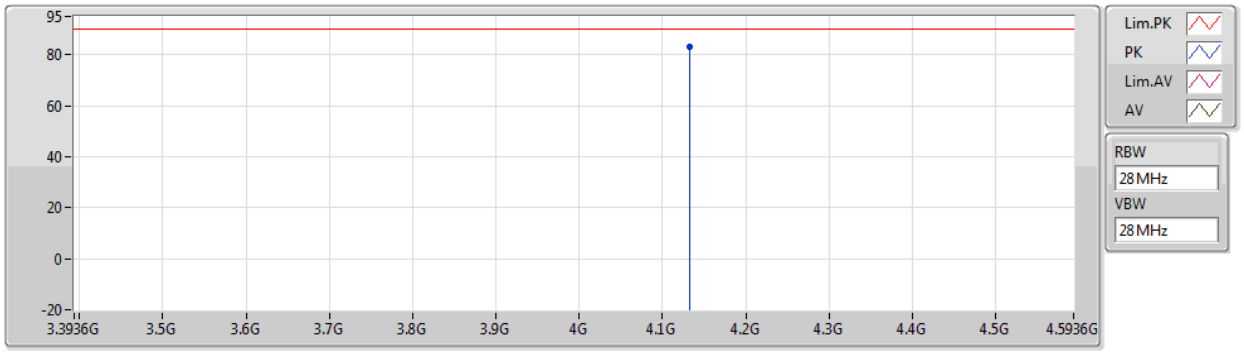


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	3.4565G	83.91	90.16	-6.25	0.43	3	Vertical	239	2.56	-	83.48	29.59	5.28	34.44

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

13/07/2022



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	4.1333G	82.94	90.16	-7.22	2.11	3	Vertical	246	1.19	-	80.83	30.73	5.81	34.43

Summary

Mode	EIRP PD (dBm/MHz)
3.1-10.6GHz	-
Ultra Wide Band_Nss1_1TX	-41.94

Result

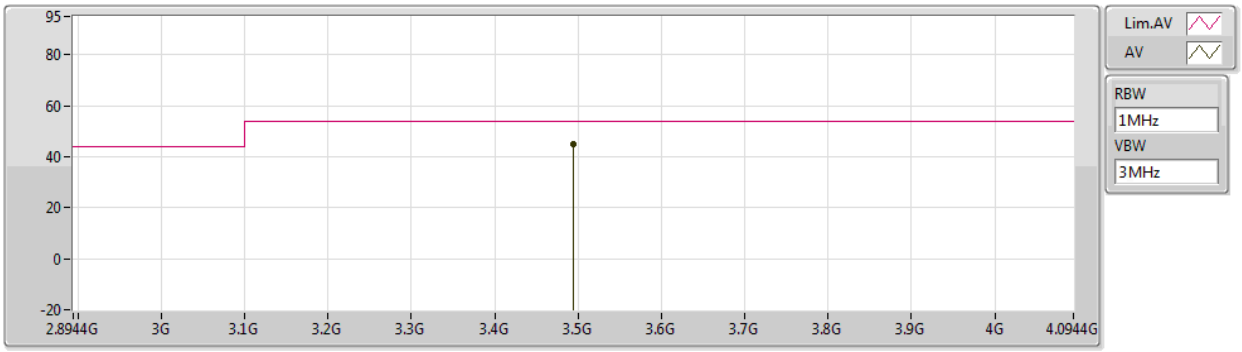
Mode	Result	Raw (dBuV/m)	RBW (MHz)	Factor (dB)	EIRP PD (dBm/MHz)	EIRP PD Limit (dBm/MHz)
Ultra Wide Band_Nss1_1TX	-	-		-	-	-
3494.4MHz	Pass	44.32	1	-94.83	-50.51	-41.30
3993.6MHz	Pass	51.02	1	-92.96	-41.94	-41.30

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

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

22/05/2022

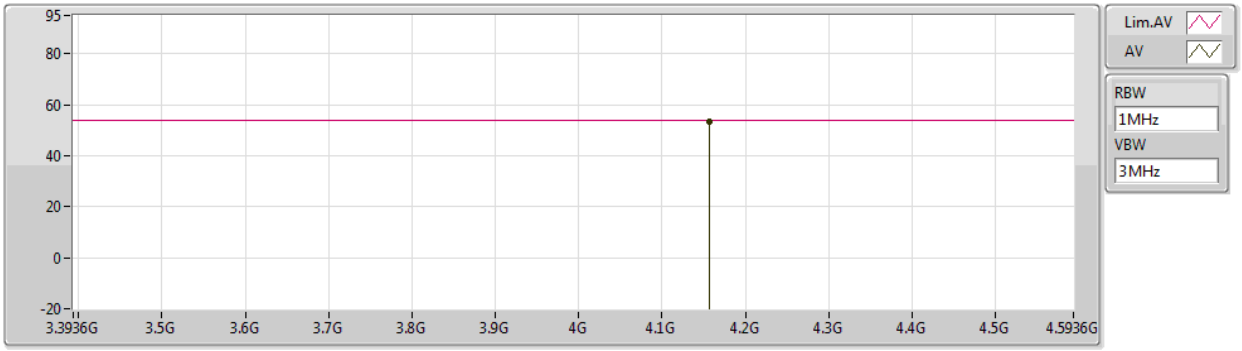


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	3.4944G	44.69	53.90	-9.21	0.37	3	Horizontal	320	2.03	-	44.32	29.51	5.31	34.45

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

22/05/2022



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.1568G	53.26	53.90	-0.64	2.24	3	Horizontal	329	2.17	-	51.02	30.83	5.84	34.43

Summary

Mode	EIRP PD (dBm/MHz)
3.1-10.6GHz	-
Ultra Wide Band_Nss1_1TX	-41.63

Result

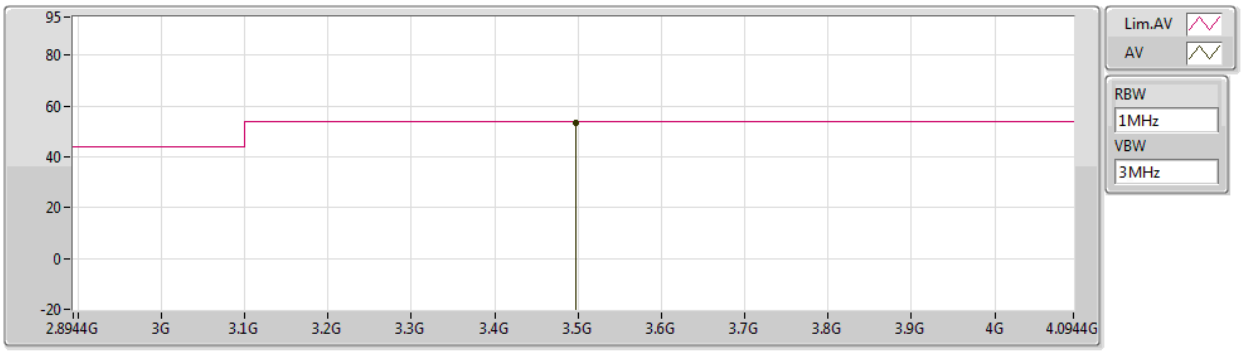
Mode	Result	Raw (dBuV/m)	RBW (MHz)	Factor (dB)	EIRP PD (dBm/MHz)	EIRP PD Limit (dBm/MHz)
Ultra Wide Band_Nss1_1TX	-	-		-	-	-
3494.4MHz	Pass	53.20	1	-94.83	-41.63	-41.30
3993.6MHz	Pass	50.86	1	-93.00	-42.14	-41.30

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

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

22/05/2022

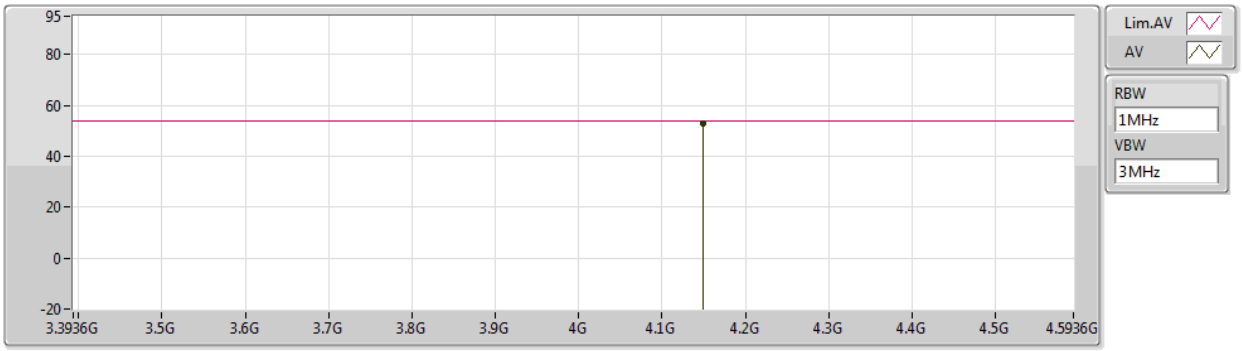


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	3.4968G	53.57	53.90	-0.33	0.37	3	Horizontal	0	2.18	-	53.20	29.51	5.31	34.45

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

22/05/2022



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.1496G	53.06	53.90	-0.84	2.20	3	Horizontal	322	2.02	-	50.86	30.80	5.83	34.43

Summary

Mode	EIRP PD (dBm/MHz)
3.1-10.6GHz	-
Ultra Wide Band_Nss1_1TX	-41.60

Result

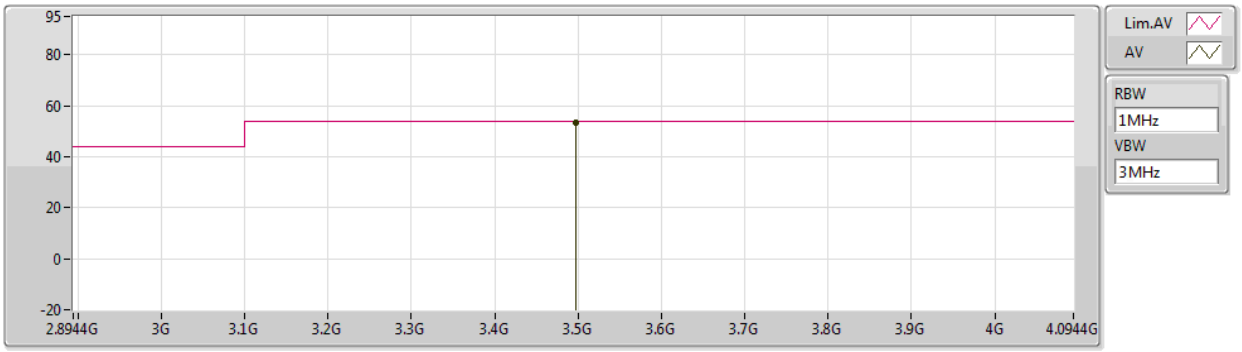
Mode	Result	Raw (dBuV/m)	RBW (MHz)	Factor (dB)	EIRP PD (dBm/MHz)	EIRP PD Limit (dBm/MHz)
Ultra Wide Band_Nss1_1TX	-	-		-	-	-
3494.4MHz	Pass	52.92	1	-94.83	-41.91	-41.3
3993.6MHz	Pass	51.51	1	-93.11	-41.60	-41.3

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

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

22/05/2022

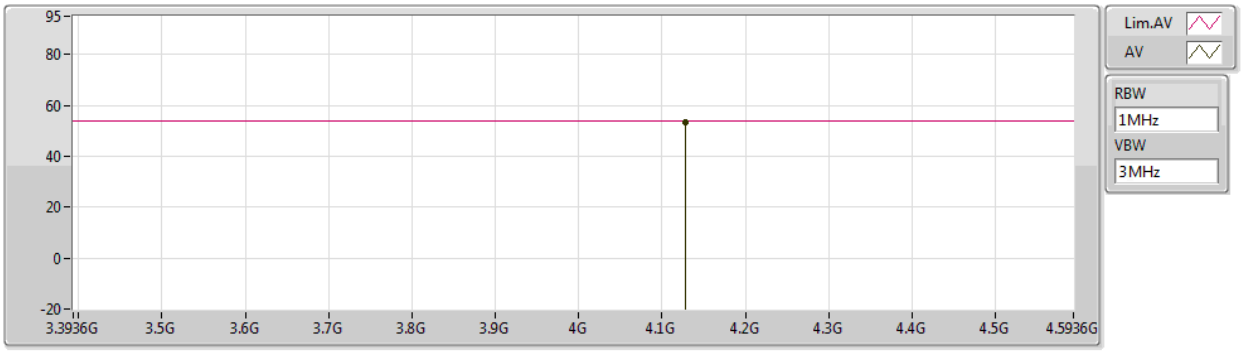


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	3.4968G	53.29	53.90	-0.61	0.37	3	Horizontal	253	1.20	-	52.92	29.51	5.31	34.45

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

22/05/2022



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.128G	53.60	53.90	-0.30	2.09	3	Vertical	264	1.48	-	51.51	30.71	5.81	34.43

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
3.1-10.6GHz	-	-	-	-	-	-	-	-	-	-	-
Ultra Wide Band_Nss1_1TX	Pass	PK	165.8M	40.12	43.50	-3.38	3	Horizontal	360	1.00	-

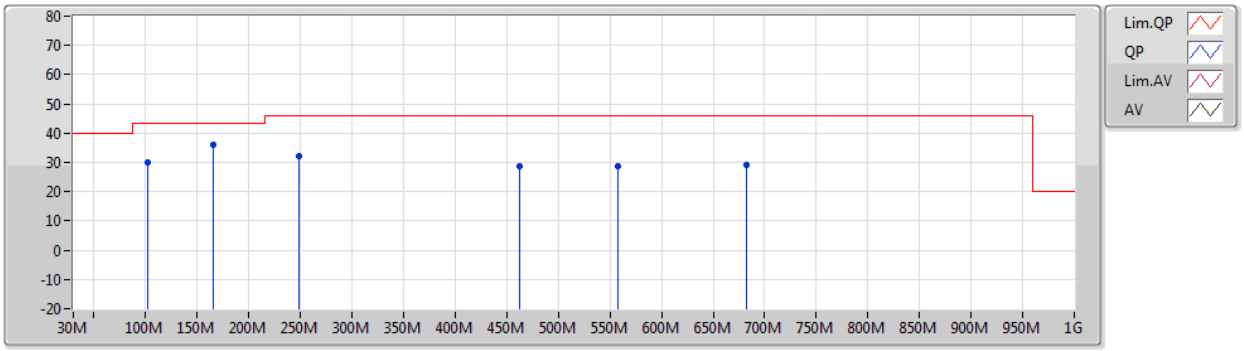
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Ultra Wide Band_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-
3494.4MHz	Pass	PK	101.78M	30.07	43.50	-13.43	3	Vertical	0	1.00	-
3494.4MHz	Pass	PK	165.8M	35.88	43.50	-7.62	3	Vertical	0	1.00	-
3494.4MHz	Pass	PK	249.22M	32.36	46.00	-13.64	3	Vertical	0	1.00	-
3494.4MHz	Pass	PK	462.62M	28.62	46.00	-17.38	3	Vertical	0	1.00	-
3494.4MHz	Pass	PK	557.68M	28.86	46.00	-17.14	3	Vertical	0	1.00	-
3494.4MHz	Pass	PK	681.84M	29.16	46.00	-16.84	3	Vertical	0	1.00	-
3494.4MHz	Pass	PK	125.06M	31.42	43.50	-12.08	3	Horizontal	360	1.00	-
3494.4MHz	Pass	PK	165.8M	40.12	43.50	-3.38	3	Horizontal	360	1.00	-
3494.4MHz	Pass	PK	181.32M	37.29	43.50	-6.21	3	Horizontal	360	1.00	-
3494.4MHz	Pass	PK	264.74M	35.26	46.00	-10.74	3	Horizontal	360	1.00	-
3494.4MHz	Pass	PK	346.22M	32.23	46.00	-13.77	3	Horizontal	360	1.00	-
3494.4MHz	Pass	PK	844.8M	32.94	46.00	-13.06	3	Horizontal	360	1.00	-
3993.6MHz	Pass	PK	125.06M	29.03	43.50	-14.47	3	Vertical	0	1.00	-
3993.6MHz	Pass	PK	165.8M	34.51	43.50	-8.99	3	Vertical	0	1.00	-
3993.6MHz	Pass	PK	251.16M	32.52	46.00	-13.48	3	Vertical	0	1.00	-
3993.6MHz	Pass	PK	295.78M	28.09	46.00	-17.91	3	Vertical	0	1.00	-
3993.6MHz	Pass	PK	557.68M	29.16	46.00	-16.84	3	Vertical	0	1.00	-
3993.6MHz	Pass	PK	860.32M	34.02	46.00	-11.98	3	Vertical	0	1.00	-
3993.6MHz	Pass	PK	165.8M	39.95	43.50	-3.55	3	Horizontal	360	1.00	-
3993.6MHz	Pass	PK	179.38M	39.55	43.50	-3.95	3	Horizontal	360	1.00	-
3993.6MHz	Pass	PK	208.48M	36.38	43.50	-7.12	3	Horizontal	360	1.00	-
3993.6MHz	Pass	PK	260.86M	34.93	46.00	-11.07	3	Horizontal	360	1.00	-
3993.6MHz	Pass	PK	348.16M	31.47	46.00	-14.53	3	Horizontal	360	1.00	-
3993.6MHz	Pass	PK	540.22M	29.94	46.00	-16.06	3	Horizontal	360	1.00	-

Ultra Wide Band_Nss1_1TX

22/05/2022

3494.4MHz_DC Power Supply

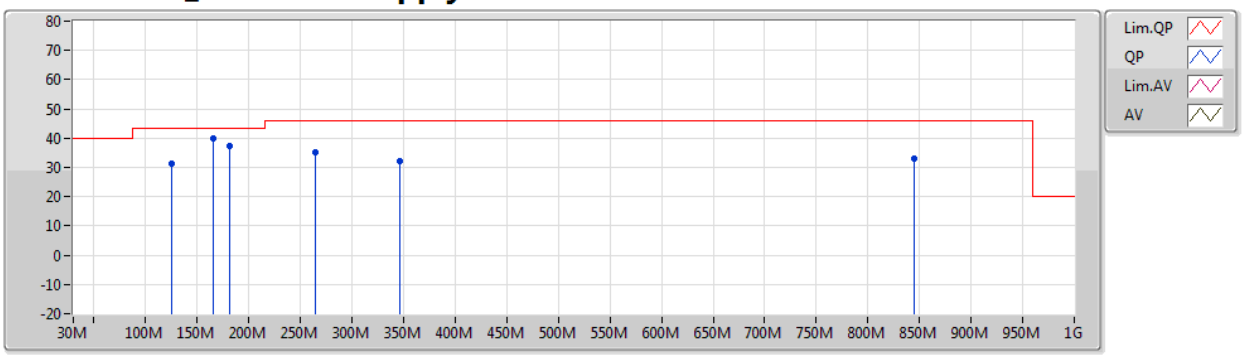


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	101.78M	30.07	43.50	-13.43	-9.48	3	Vertical	0	1.00	-	39.55	16.21	1.65	27.34
PK	165.8M	35.88	43.50	-7.62	-10.08	3	Vertical	0	1.00	-	45.96	14.88	2.12	27.08
PK	249.22M	32.36	46.00	-13.64	-6.61	3	Vertical	0	1.00	-	38.97	17.44	2.63	26.68
PK	462.62M	28.62	46.00	-17.38	-1.47	3	Vertical	0	1.00	-	30.09	22.49	3.65	27.61
PK	557.68M	28.86	46.00	-17.14	0.21	3	Vertical	0	1.00	-	28.65	24.18	4.01	27.98
PK	681.84M	29.16	46.00	-16.84	0.74	3	Vertical	0	1.00	-	28.42	24.17	4.50	27.93

Ultra Wide Band_Nss1_1TX

22/05/2022

3494.4MHz_DC Power Supply

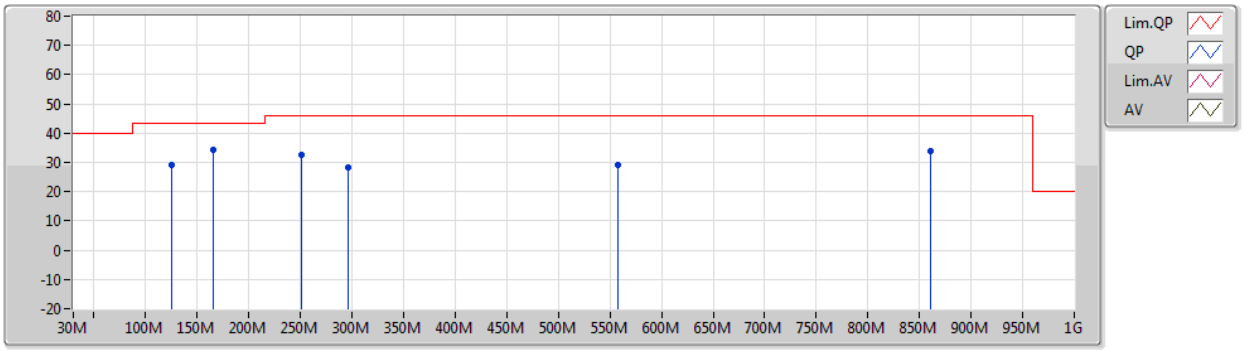


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	125.06M	31.42	43.50	-12.08	-8.12	3	Horizontal	360	1.00	-	39.54	17.30	1.84	27.26
PK	165.8M	40.12	43.50	-3.38	-10.08	3	Horizontal	360	1.00	-	50.20	14.88	2.12	27.08
PK	181.32M	37.29	43.50	-6.21	-10.48	3	Horizontal	360	1.00	-	47.77	14.27	2.23	26.98
PK	264.74M	35.26	46.00	-10.74	-5.67	3	Horizontal	360	1.00	-	40.93	18.27	2.72	26.66
PK	346.22M	32.23	46.00	-13.77	-4.44	3	Horizontal	360	1.00	-	36.67	19.28	3.12	26.84
PK	844.8M	32.94	46.00	-13.06	3.06	3	Horizontal	360	1.00	-	29.88	25.50	5.08	27.52

Ultra Wide Band_Nss1_1TX

22/05/2020

3993.6MHz_DC Power Supply

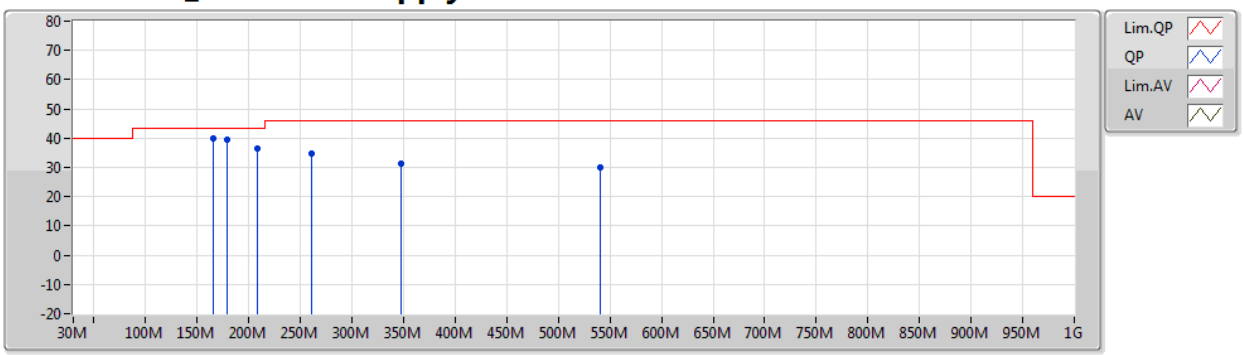


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	125.06M	29.03	43.50	-14.47	-8.12	3	Vertical	0	1.00	-	37.15	17.30	1.84	27.26
PK	165.8M	34.51	43.50	-8.99	-10.08	3	Vertical	0	1.00	-	44.59	14.88	2.12	27.08
PK	251.16M	32.52	46.00	-13.48	-6.37	3	Vertical	0	1.00	-	38.89	17.67	2.64	26.68
PK	295.78M	28.09	46.00	-17.91	-5.54	3	Vertical	0	1.00	-	33.63	18.18	2.90	26.62
PK	557.68M	29.16	46.00	-16.84	0.21	3	Vertical	0	1.00	-	28.95	24.18	4.01	27.98
PK	860.32M	34.02	46.00	-11.98	3.13	3	Vertical	0	1.00	-	30.89	25.50	5.13	27.50

Ultra Wide Band_Nss1_1TX

22/05/2020

3993.6MHz_DC Power Supply



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	165.8M	39.95	43.50	-3.55	-10.08	3	Horizontal	360	1.00	-	50.03	14.88	2.12	27.08
PK	179.38M	39.55	43.50	-3.95	-10.45	3	Horizontal	360	1.00	-	50.00	14.32	2.22	26.99
PK	208.48M	36.38	43.50	-7.12	-10.34	3	Horizontal	360	1.00	-	46.72	14.11	2.40	26.85
PK	260.86M	34.93	46.00	-11.07	-5.35	3	Horizontal	360	1.00	-	40.28	18.62	2.69	26.66
PK	348.16M	31.47	46.00	-14.53	-4.33	3	Horizontal	360	1.00	-	35.80	19.39	3.13	26.85
PK	540.22M	29.94	46.00	-16.06	0.20	3	Horizontal	360	1.00	-	29.74	24.21	3.94	27.95

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
7.25-1025GHz	-	-	-	-	-	-	-	-	-	-	-
Ultra Wide Band_Nss1_1TX	Pass	AV	1.18624G	15.58	19.90	-4.32	3	Vertical	360	1.50	-

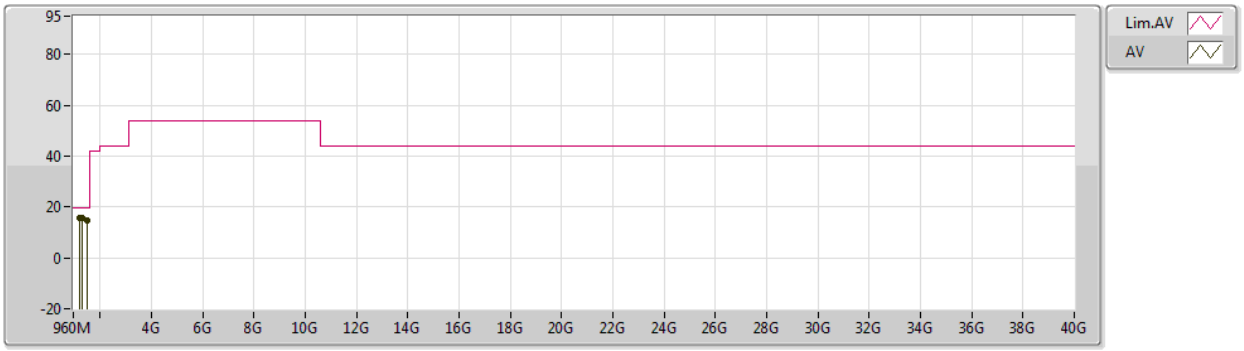
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Ultra Wide Band_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-
3494.4MHz	Pass	AV	1.51752G	14.74	19.90	-5.16	3	Vertical	360	1.50	-
3494.4MHz	Pass	AV	1.3236G	15.46	19.90	-4.44	3	Vertical	360	1.50	-
3494.4MHz	Pass	AV	1.18624G	15.58	19.90	-4.32	3	Vertical	360	1.50	-
3494.4MHz	Pass	AV	1.18624G	15.54	19.90	-4.36	3	Horizontal	0	1.50	-
3494.4MHz	Pass	AV	1.30744G	15.10	19.90	-4.80	3	Horizontal	0	1.50	-
3494.4MHz	Pass	AV	1.57408G	14.71	19.90	-5.19	3	Horizontal	0	1.50	-
3494.4MHz	Pass	AV	1.17351G	4.64	9.90	-5.26	3	Vertical	360	1.50	-
3494.4MHz	Pass	AV	1.21246G	4.42	9.90	-5.48	3	Vertical	360	1.50	-
3494.4MHz	Pass	AV	1.22455G	4.51	9.90	-5.39	3	Vertical	360	1.50	-
3494.4MHz	Pass	AV	1.17727G	4.51	9.90	-5.39	3	Horizontal	0	1.50	-
3494.4MHz	Pass	AV	1.19918G	4.68	9.90	-5.22	3	Horizontal	0	1.50	-
3494.4MHz	Pass	AV	1.21782G	4.87	9.90	-5.03	3	Horizontal	0	1.50	-
3494.4MHz	Pass	AV	1.56421G	3.87	9.90	-6.03	3	Vertical	360	1.50	-
3494.4MHz	Pass	AV	1.5743G	1.58	9.90	-8.32	3	Vertical	360	1.50	-
3494.4MHz	Pass	AV	1.58734G	1.91	9.90	-7.99	3	Vertical	360	1.50	-
3494.4MHz	Pass	AV	1.58981G	2.26	9.90	-7.64	3	Horizontal	0	1.50	-
3494.4MHz	Pass	AV	1.57444G	2.65	9.90	-7.25	3	Horizontal	0	1.50	-
3494.4MHz	Pass	AV	1.56524G	2.70	9.90	-7.20	3	Horizontal	0	1.50	-
3993.6MHz	Pass	AV	1.14584G	15.14	19.90	-4.76	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.35592G	15.08	19.90	-4.82	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.4852G	14.62	19.90	-5.28	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.15392G	15.19	19.90	-4.71	3	Horizontal	0	1.50	-
3993.6MHz	Pass	AV	1.2832G	15.14	19.90	-4.76	3	Horizontal	0	1.50	-
3993.6MHz	Pass	AV	1.55792G	14.74	19.90	-5.16	3	Horizontal	0	1.50	-
3993.6MHz	Pass	AV	1.17447G	4.59	9.90	-5.31	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.19137G	5.05	9.90	-4.85	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.20356G	5.21	9.90	-4.69	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.21647G	5.17	9.90	-4.73	3	Horizontal	0	1.50	-
3993.6MHz	Pass	AV	1.19642G	4.21	9.90	-5.69	3	Horizontal	0	1.50	-
3993.6MHz	Pass	AV	1.18047G	4.60	9.90	-5.30	3	Horizontal	0	1.50	-
3993.6MHz	Pass	AV	1.57444G	2.65	9.90	-7.25	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.57951G	2.29	9.90	-7.61	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.59331G	2.30	9.90	-7.60	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.57097G	2.75	9.90	-7.15	3	Horizontal	0	1.50	-
3993.6MHz	Pass	AV	1.57444G	2.15	9.90	-7.75	3	Horizontal	0	1.50	-
3993.6MHz	Pass	AV	1.58725G	2.31	9.90	-7.59	3	Horizontal	0	1.50	-

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

21/05/2022

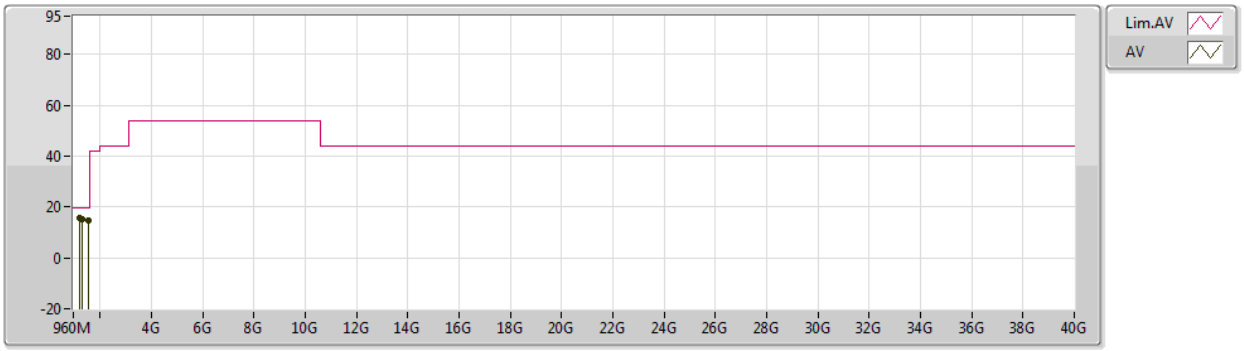


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.51752G	14.74	19.90	-5.16	-32.65	3	Vertical	360	1.50	-	47.39	25.36	3.45	51.92
AV	1.3236G	15.46	19.90	-4.44	-32.28	3	Vertical	360	1.50	-	47.74	25.90	3.23	51.87
AV	1.18624G	15.58	19.90	-4.32	-32.16	3	Vertical	360	1.50	-	47.74	26.20	3.03	51.85

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

21/05/2022

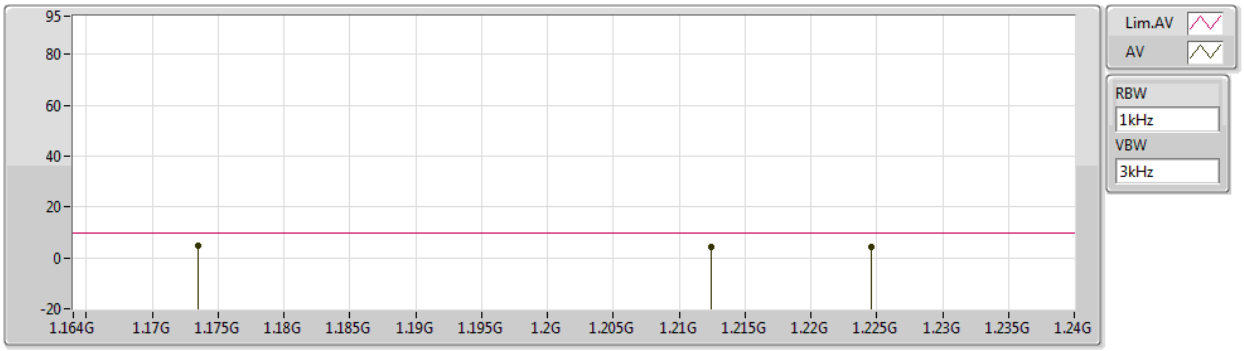


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.18624G	15.54	19.90	-4.36	-32.16	3	Horizontal	0	1.50	-	47.70	26.20	3.03	51.85
AV	1.30744G	15.10	19.90	-4.80	-32.30	3	Horizontal	0	1.50	-	47.40	25.90	3.21	51.87
AV	1.57408G	14.71	19.90	-5.19	-32.73	3	Horizontal	0	1.50	-	47.44	25.25	3.50	51.94

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

16/07/2022

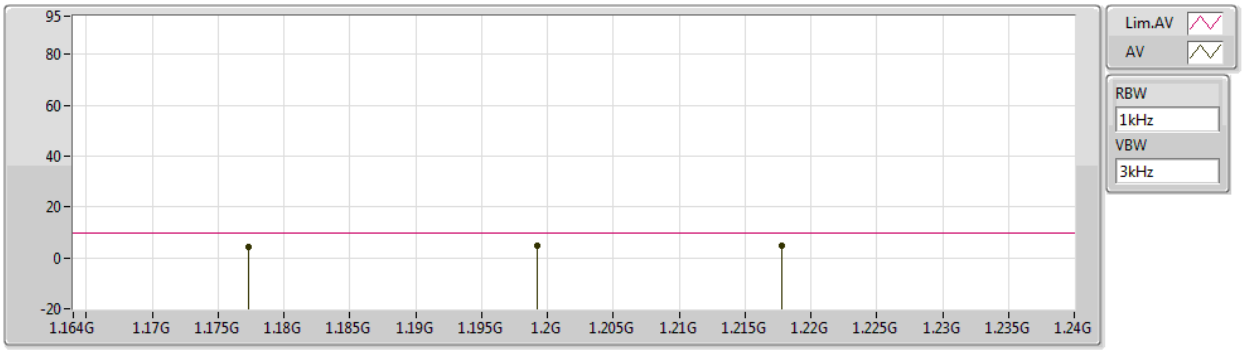


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.17351G	4.64	9.90	-5.26	-32.17	3	Vertical	360	1.50	-	36.81	26.20	3.01	51.84
AV	1.21246G	4.42	9.90	-5.48	-32.17	3	Vertical	360	1.50	-	36.59	26.15	3.07	51.85
AV	1.22455G	4.51	9.90	-5.39	-32.20	3	Vertical	360	1.50	-	36.71	26.10	3.09	51.85

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

16/07/2022

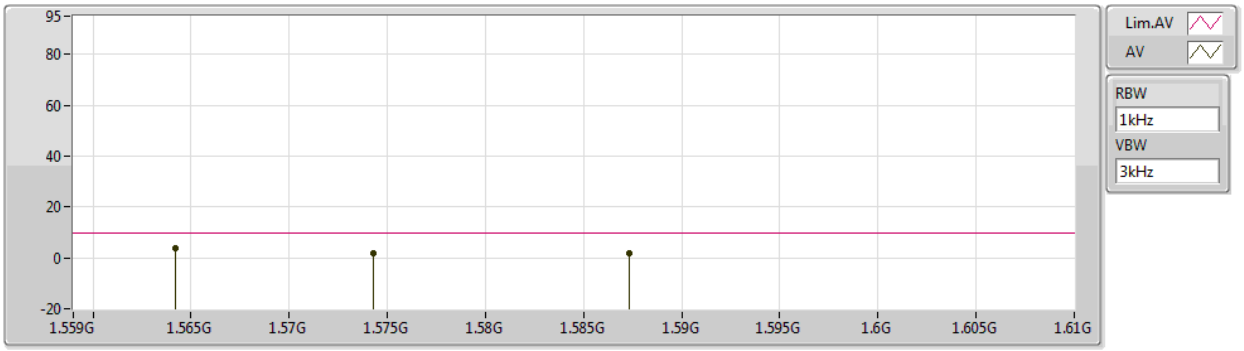


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.17727G	4.51	9.90	-5.39	-32.17	3	Horizontal	0	1.50	-	36.68	26.20	3.02	51.85
AV	1.19918G	4.68	9.90	-5.22	-32.14	3	Horizontal	0	1.50	-	36.82	26.20	3.05	51.85
AV	1.21782G	4.87	9.90	-5.03	-32.18	3	Horizontal	0	1.50	-	37.05	26.13	3.08	51.85

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

16/07/2022

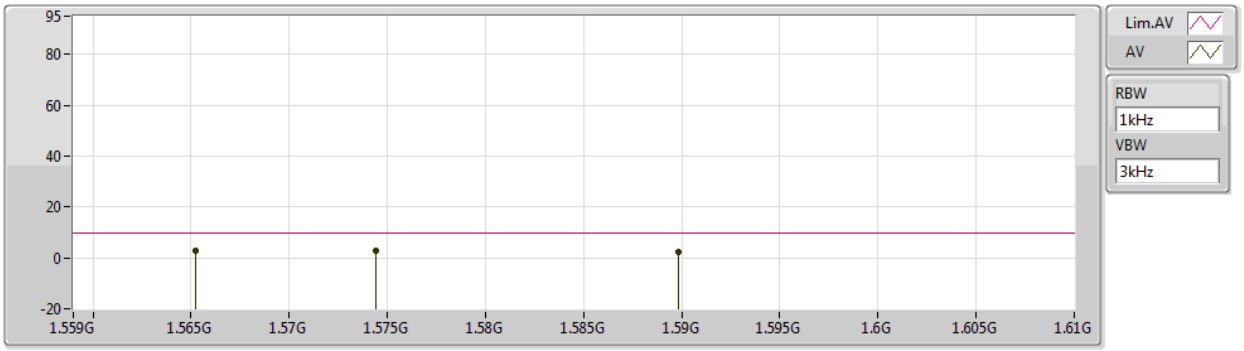


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.56421G	3.87	9.90	-6.03	-32.71	3	Vertical	360	1.50	-	36.58	25.27	3.49	51.93
AV	1.5743G	1.58	9.90	-8.32	-32.73	3	Vertical	360	1.50	-	34.31	25.25	3.50	51.94
AV	1.58734G	1.91	9.90	-7.99	-32.74	3	Vertical	360	1.50	-	34.65	25.23	3.51	51.94

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

16/07/2022

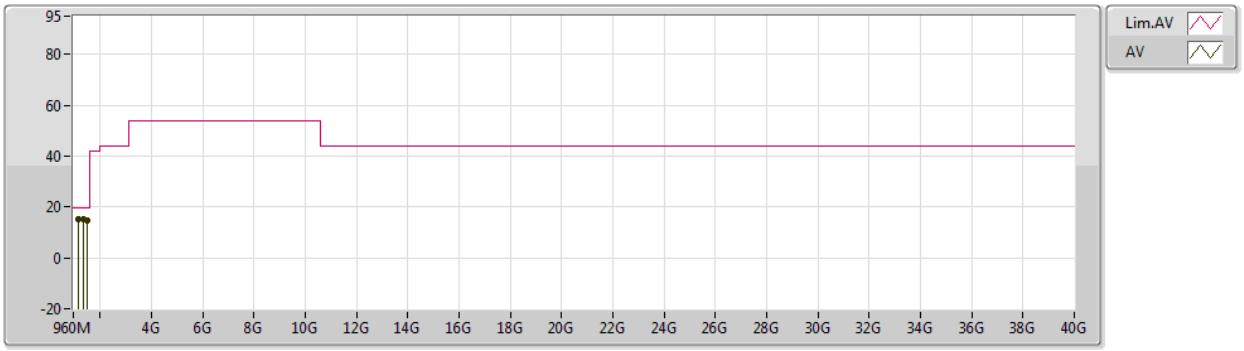


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.58981G	2.26	9.90	-7.64	-32.75	3	Horizontal	0	1.50	-	35.01	25.22	3.51	51.94
AV	1.57444G	2.65	9.90	-7.25	-32.73	3	Horizontal	0	1.50	-	35.38	25.25	3.50	51.94
AV	1.56524G	2.70	9.90	-7.20	-32.71	3	Horizontal	0	1.50	-	35.41	25.27	3.49	51.93

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

21/05/2022

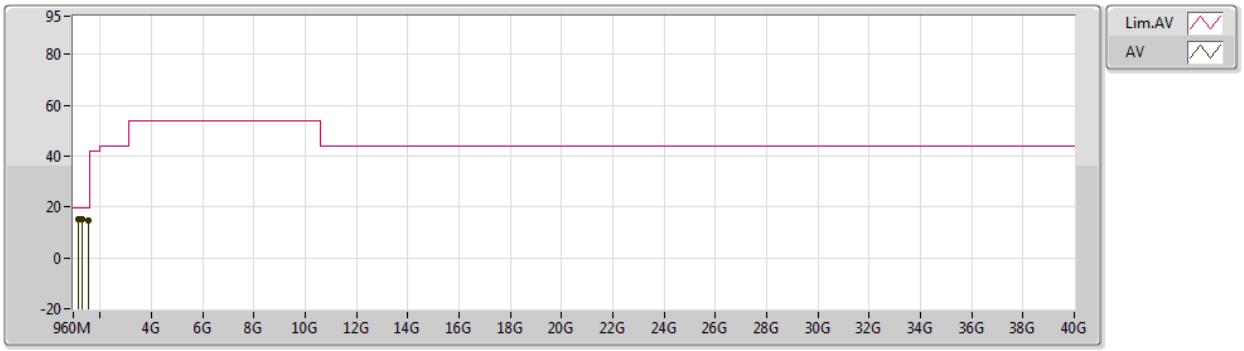


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.14584G	15.14	19.90	-4.76	-32.28	3	Vertical	360	1.50	-	47.42	26.12	2.98	51.84
AV	1.35592G	15.08	19.90	-4.82	-32.31	3	Vertical	360	1.50	-	47.39	25.83	3.28	51.88
AV	1.4852G	14.62	19.90	-5.28	-32.66	3	Vertical	360	1.50	-	47.28	25.37	3.42	51.91

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

21/05/2022

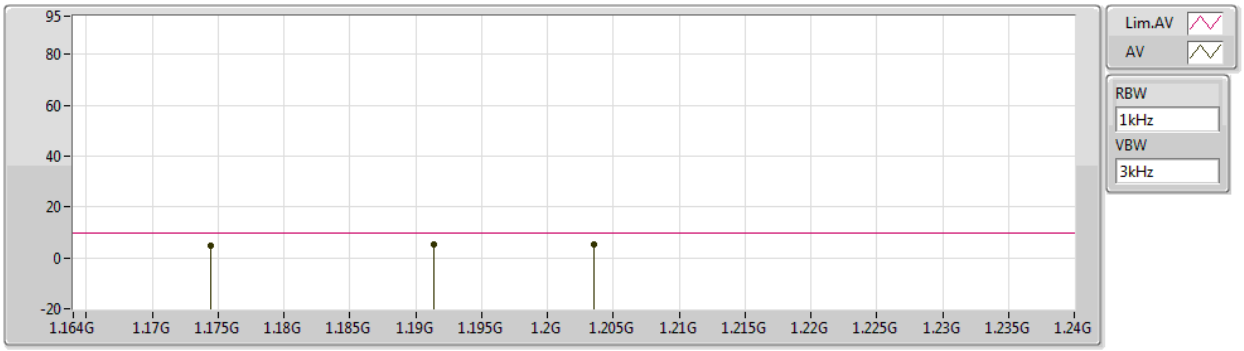


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.15392G	15.19	19.90	-4.71	-32.19	3	Horizontal	0	1.50	-	47.38	26.20	2.99	51.84
AV	1.2832G	15.14	19.90	-4.76	-32.31	3	Horizontal	0	1.50	-	47.45	25.93	3.17	51.87
AV	1.55792G	14.74	19.90	-5.16	-32.71	3	Horizontal	0	1.50	-	47.45	25.28	3.48	51.93

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

16/07/2022

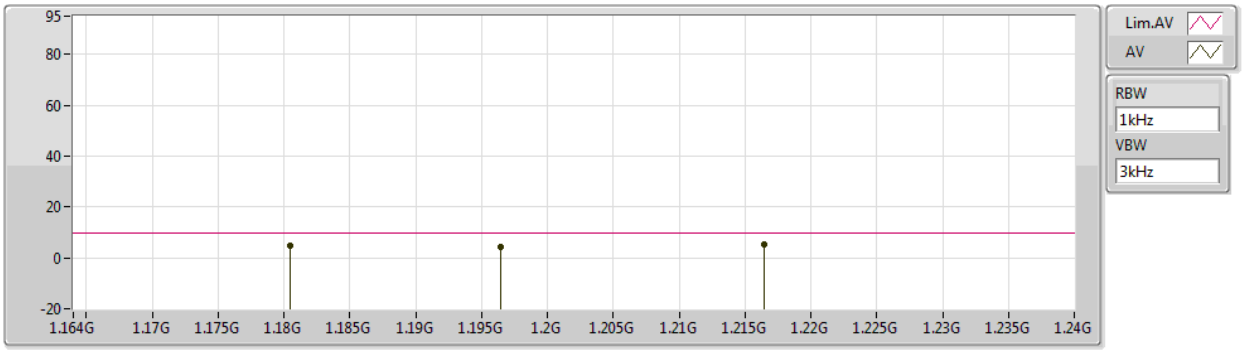


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.17447G	4.59	9.90	-5.31	-32.16	3	Vertical	360	1.50	-	36.75	26.20	3.02	51.84
AV	1.19137G	5.05	9.90	-4.85	-32.15	3	Vertical	360	1.50	-	37.20	26.20	3.04	51.85
AV	1.20356G	5.21	9.90	-4.69	-32.14	3	Vertical	360	1.50	-	37.35	26.19	3.06	51.85

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

16/07/2022

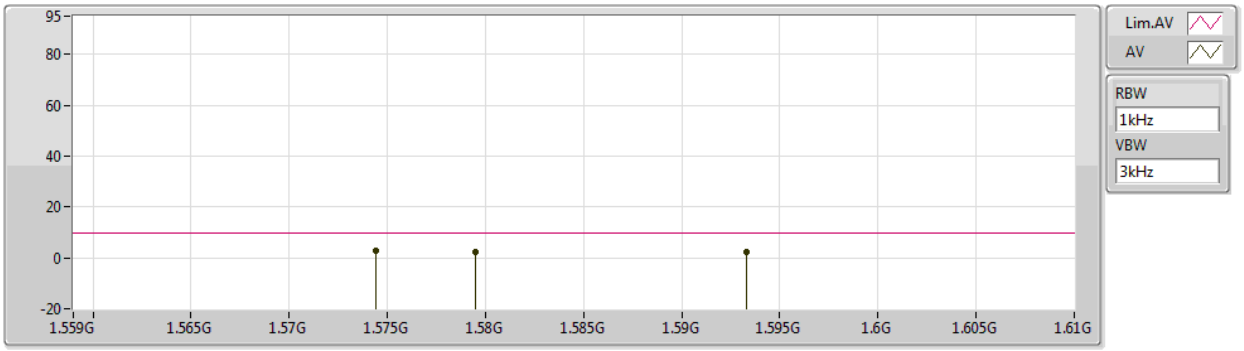


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.21647G	5.17	9.90	-4.73	-32.19	3	Horizontal	0	1.50	-	37.36	26.13	3.07	51.85
AV	1.19642G	4.21	9.90	-5.69	-32.14	3	Horizontal	0	1.50	-	36.35	26.20	3.05	51.85
AV	1.18047G	4.60	9.90	-5.30	-32.17	3	Horizontal	0	1.50	-	36.77	26.20	3.02	51.85

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

16/07/2022

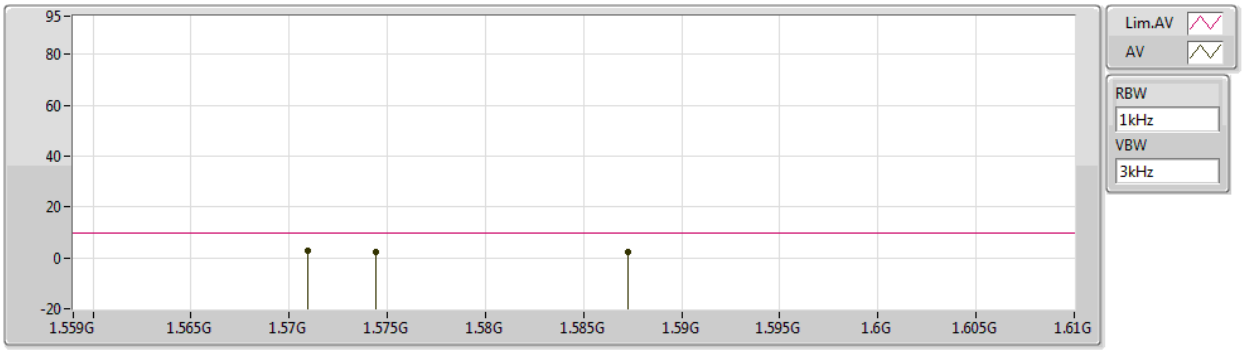


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.57444G	2.65	9.90	-7.25	-32.73	3	Vertical	360	1.50	-	35.38	25.25	3.50	51.94
AV	1.57951G	2.29	9.90	-7.61	-32.74	3	Vertical	360	1.50	-	35.03	25.24	3.50	51.94
AV	1.59331G	2.30	9.90	-7.60	-32.76	3	Vertical	360	1.50	-	35.06	25.21	3.51	51.94

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

16/07/2022



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.57097G	2.75	9.90	-7.15	-32.72	3	Horizontal	0	1.50	-	35.47	25.26	3.49	51.93
AV	1.57444G	2.15	9.90	-7.75	-32.73	3	Horizontal	0	1.50	-	34.88	25.25	3.50	51.94
AV	1.58725G	2.31	9.90	-7.59	-32.74	3	Horizontal	0	1.50	-	35.05	25.23	3.51	51.94

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
3.1-10.6GHz	-	-	-	-	-	-	-	-	-	-	-
Ultra Wide Band_Nss1_1TX	Pass	PK	206.54M	38.96	43.50	-4.54	3	Horizontal	360	1.00	-

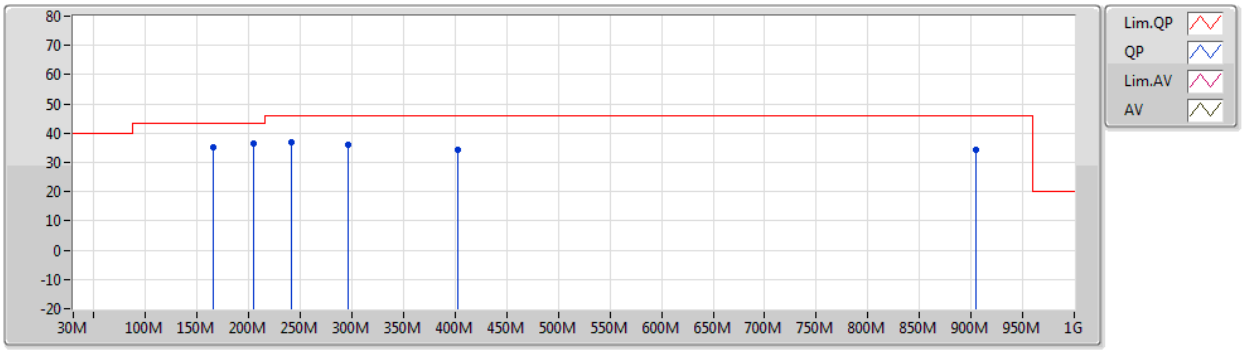
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Ultra Wide Band_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-
3494.4MHz	Pass	PK	165.8M	34.96	43.50	-8.54	3	Vertical	0	1.00	-
3494.4MHz	Pass	PK	204.6M	36.57	43.50	-6.93	3	Vertical	0	1.00	-
3494.4MHz	Pass	PK	241.46M	37.04	46.00	-8.96	3	Vertical	0	1.00	-
3494.4MHz	Pass	PK	295.78M	35.94	46.00	-10.06	3	Vertical	0	1.00	-
3494.4MHz	Pass	PK	402.48M	34.38	46.00	-11.62	3	Vertical	0	1.00	-
3494.4MHz	Pass	PK	904.94M	34.44	46.00	-11.56	3	Vertical	0	1.00	-
3494.4MHz	Pass	PK	165.8M	38.16	43.50	-5.34	3	Horizontal	360	1.00	-
3494.4MHz	Pass	PK	206.54M	38.96	43.50	-4.54	3	Horizontal	360	1.00	-
3494.4MHz	Pass	PK	297.72M	38.70	46.00	-7.30	3	Horizontal	360	1.00	-
3494.4MHz	Pass	PK	344.28M	38.55	46.00	-7.45	3	Horizontal	360	1.00	-
3494.4MHz	Pass	PK	441.28M	37.38	46.00	-8.62	3	Horizontal	360	1.00	-
3494.4MHz	Pass	PK	796.3M	31.61	46.00	-14.39	3	Horizontal	360	1.00	-
3993.6MHz	Pass	PK	165.8M	34.00	43.50	-9.50	3	Vertical	0	1.00	-
3993.6MHz	Pass	PK	204.6M	36.69	43.50	-6.81	3	Vertical	0	1.00	-
3993.6MHz	Pass	PK	241.46M	37.69	46.00	-8.31	3	Vertical	0	1.00	-
3993.6MHz	Pass	PK	297.72M	35.16	46.00	-10.84	3	Vertical	0	1.00	-
3993.6MHz	Pass	PK	406.36M	33.89	46.00	-12.11	3	Vertical	0	1.00	-
3993.6MHz	Pass	PK	588.72M	32.78	46.00	-13.22	3	Vertical	0	1.00	-
3993.6MHz	Pass	PK	165.8M	37.75	43.50	-5.75	3	Horizontal	360	1.00	-
3993.6MHz	Pass	PK	208.48M	38.13	43.50	-5.37	3	Horizontal	360	1.00	-
3993.6MHz	Pass	PK	243.4M	38.31	46.00	-7.69	3	Horizontal	360	1.00	-
3993.6MHz	Pass	PK	297.72M	39.20	46.00	-6.80	3	Horizontal	360	1.00	-
3993.6MHz	Pass	PK	348.16M	38.74	46.00	-7.26	3	Horizontal	360	1.00	-
3993.6MHz	Pass	PK	441.28M	37.63	46.00	-8.37	3	Horizontal	360	1.00	-

Ultra Wide Band_Nss1_1TX

22/05/2022

3494.4MHz_Dc Power Supply

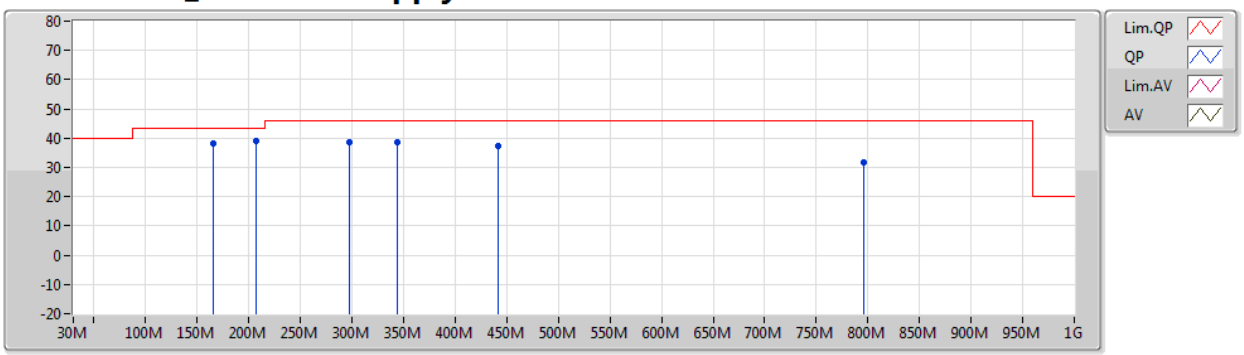


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	165.8M	34.96	43.50	-8.54	-10.08	3	Vertical	0	1.00	-	45.04	14.88	2.12	27.08
PK	204.6M	36.57	43.50	-6.93	-10.18	3	Vertical	0	1.00	-	46.75	14.31	2.38	26.87
PK	241.46M	37.04	46.00	-8.96	-7.60	3	Vertical	0	1.00	-	44.64	16.54	2.58	26.72
PK	295.78M	35.94	46.00	-10.06	-5.54	3	Vertical	0	1.00	-	41.48	18.18	2.90	26.62
PK	402.48M	34.38	46.00	-11.62	-2.73	3	Vertical	0	1.00	-	37.11	21.09	3.39	27.21
PK	904.94M	34.44	46.00	-11.56	3.25	3	Vertical	0	1.00	-	31.19	25.49	5.29	27.53

Ultra Wide Band_Nss1_1TX

22/05/2022

3494.4MHz_Dc Power Supply

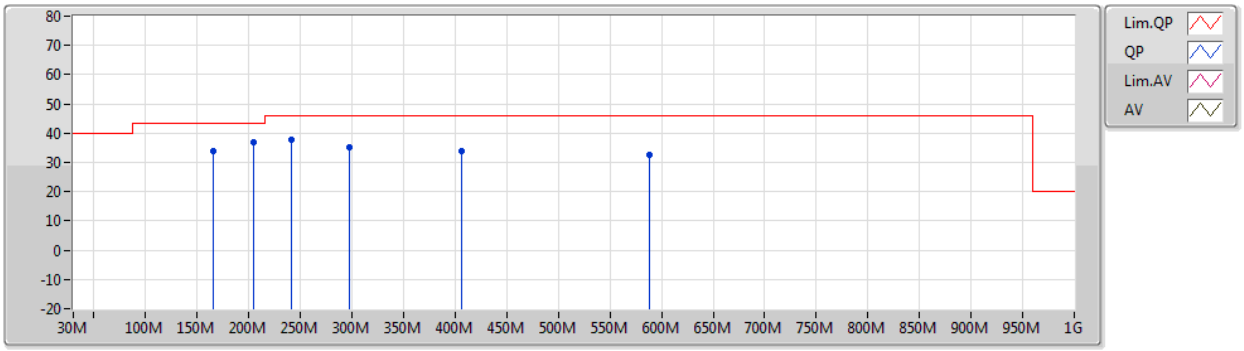


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	165.8M	38.16	43.50	-5.34	-10.08	3	Horizontal	360	1.00	-	48.24	14.88	2.12	27.08
PK	206.54M	38.96	43.50	-4.54	-10.26	3	Horizontal	360	1.00	-	49.22	14.21	2.39	26.86
PK	297.72M	38.70	46.00	-7.30	-5.46	3	Horizontal	360	1.00	-	44.16	18.24	2.91	26.61
PK	344.28M	38.55	46.00	-7.45	-4.53	3	Horizontal	360	1.00	-	43.08	19.19	3.11	26.83
PK	441.28M	37.38	46.00	-8.62	-1.97	3	Horizontal	360	1.00	-	39.35	21.98	3.55	27.50
PK	796.3M	31.61	46.00	-14.39	2.29	3	Horizontal	360	1.00	-	29.32	25.16	4.93	27.80

Ultra Wide Band_Nss1_1TX

22/05/2022

3993.6MHz_Dc Power Supply

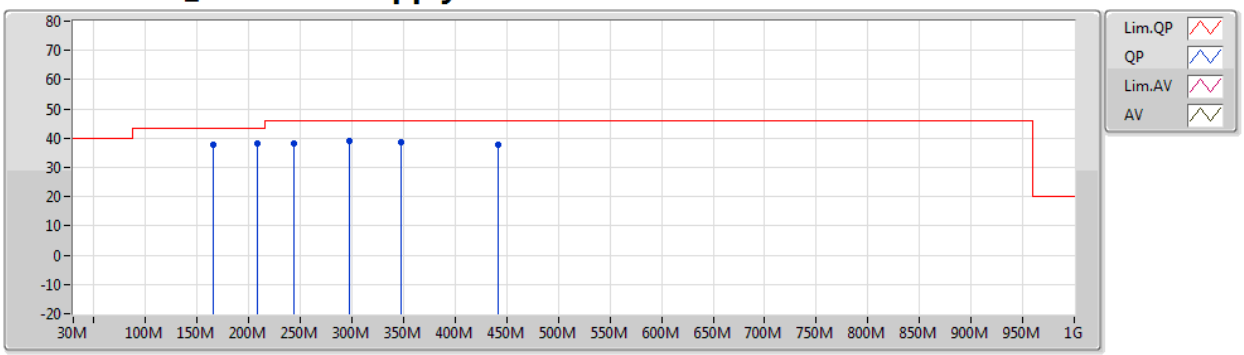


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	165.8M	34.00	43.50	-9.50	-10.08	3	Vertical	0	1.00	-	44.08	14.88	2.12	27.08
PK	204.6M	36.69	43.50	-6.81	-10.18	3	Vertical	0	1.00	-	46.87	14.31	2.38	26.87
PK	241.46M	37.69	46.00	-8.31	-7.60	3	Vertical	0	1.00	-	45.29	16.54	2.58	26.72
PK	297.72M	35.16	46.00	-10.84	-5.46	3	Vertical	0	1.00	-	40.62	18.24	2.91	26.61
PK	406.36M	33.89	46.00	-12.11	-2.57	3	Vertical	0	1.00	-	36.46	21.26	3.41	27.24
PK	588.72M	32.78	46.00	-13.22	-0.02	3	Vertical	0	1.00	-	32.80	23.78	4.16	27.96

Ultra Wide Band_Nss1_1TX

22/05/2022

3993.6MHz_Dc Power Supply



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	165.8M	37.75	43.50	-5.75	-10.08	3	Horizontal	360	1.00	-	47.83	14.88	2.12	27.08
PK	208.48M	38.13	43.50	-5.37	-10.34	3	Horizontal	360	1.00	-	48.47	14.11	2.40	26.85
PK	243.4M	38.31	46.00	-7.69	-7.36	3	Horizontal	360	1.00	-	45.67	16.76	2.59	26.71
PK	297.72M	39.20	46.00	-6.80	-5.46	3	Horizontal	360	1.00	-	44.66	18.24	2.91	26.61
PK	348.16M	38.74	46.00	-7.26	-4.33	3	Horizontal	360	1.00	-	43.07	19.39	3.13	26.85
PK	441.28M	37.63	46.00	-8.37	-1.97	3	Horizontal	360	1.00	-	39.60	21.98	3.55	27.50

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
7.25-1025GHz	-	-	-	-	-	-	-	-	-	-	-
Ultra Wide Band_Nss1_1TX	Pass	AV	1.21421G	5.87	9.90	-4.03	3	Horizontal	360	1.50	-

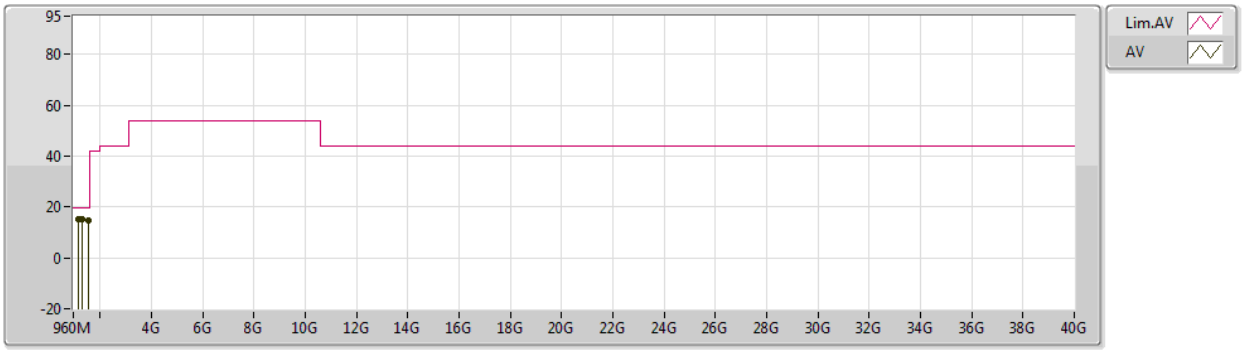
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Ultra Wide Band_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-
3494.4MHz	Pass	AV	1.15392G	15.34	19.90	-4.56	3	Vertical	360	1.50	-
3494.4MHz	Pass	AV	1.29936G	15.39	19.90	-4.51	3	Vertical	360	1.50	-
3494.4MHz	Pass	AV	1.54176G	14.82	19.90	-5.08	3	Vertical	360	1.50	-
3494.4MHz	Pass	AV	1.15392G	15.31	19.90	-4.59	3	Horizontal	0	1.50	-
3494.4MHz	Pass	AV	1.34784G	15.20	19.90	-4.70	3	Horizontal	0	1.50	-
3494.4MHz	Pass	AV	1.47712G	14.33	19.90	-5.57	3	Horizontal	0	1.50	-
3494.4MHz	Pass	AV	1.16982G	4.21	9.90	-5.69	3	Vertical	0	1.50	-
3494.4MHz	Pass	AV	1.20621G	5.28	9.90	-4.62	3	Vertical	0	1.50	-
3494.4MHz	Pass	AV	1.21841G	4.21	9.90	-5.69	3	Vertical	0	1.50	-
3494.4MHz	Pass	AV	1.17522G	5.21	9.90	-4.69	3	Horizontal	360	1.50	-
3494.4MHz	Pass	AV	1.21012G	5.85	9.90	-4.05	3	Horizontal	360	1.50	-
3494.4MHz	Pass	AV	1.23132G	5.41	9.90	-4.49	3	Horizontal	360	1.50	-
3494.4MHz	Pass	AV	1.56842G	2.25	9.90	-7.65	3	Vertical	360	1.50	-
3494.4MHz	Pass	AV	1.57444G	2.27	9.90	-7.63	3	Vertical	360	1.50	-
3494.4MHz	Pass	AV	1.59874G	3.14	9.90	-6.76	3	Vertical	360	1.50	-
3494.4MHz	Pass	AV	1.56574G	3.42	9.90	-6.48	3	Horizontal	360	1.50	-
3494.4MHz	Pass	AV	1.57144G	3.74	9.90	-6.16	3	Horizontal	360	1.50	-
3494.4MHz	Pass	AV	1.59635G	1.47	9.90	-8.43	3	Horizontal	360	1.50	-
3993.6MHz	Pass	AV	1.5256G	14.88	19.90	-5.02	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.25088G	15.12	19.90	-4.78	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.15392G	15.40	19.90	-4.50	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.21048G	15.29	19.90	-4.61	3	Horizontal	0	1.50	-
3993.6MHz	Pass	AV	1.34784G	15.50	19.90	-4.40	3	Horizontal	0	1.50	-
3993.6MHz	Pass	AV	1.49328G	14.70	19.90	-5.20	3	Horizontal	0	1.50	-
3993.6MHz	Pass	AV	1.21452G	4.04	9.90	-5.86	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.20478G	5.14	9.90	-4.76	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.17522G	4.55	9.90	-5.35	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.17542G	4.42	9.90	-5.48	3	Horizontal	360	1.50	-
3993.6MHz	Pass	AV	1.2124G	4.52	9.90	-5.38	3	Horizontal	360	1.50	-
3993.6MHz	Pass	AV	1.21421G	5.87	9.90	-4.03	3	Horizontal	360	1.50	-
3993.6MHz	Pass	AV	1.56459G	3.42	9.90	-6.48	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.5758G	2.19	9.90	-7.71	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.59147G	2.24	9.90	-7.66	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.57427G	2.85	9.90	-7.05	3	Horizontal	360	1.50	-
3993.6MHz	Pass	AV	1.58245G	3.14	9.90	-6.76	3	Horizontal	360	1.50	-
3993.6MHz	Pass	AV	1.5533G	2.58	9.90	-7.32	3	Horizontal	360	1.50	-

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

21/05/2022

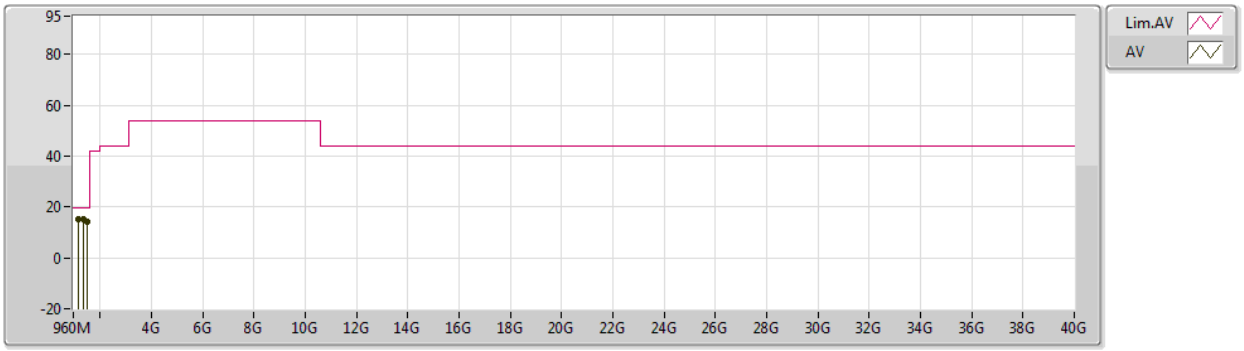


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.15392G	15.34	19.90	-4.56	-32.19	3	Vertical	360	1.50	-	47.53	26.20	2.99	51.84
AV	1.29936G	15.39	19.90	-4.51	-32.32	3	Vertical	360	1.50	-	47.71	25.90	3.19	51.87
AV	1.54176G	14.82	19.90	-5.08	-32.67	3	Vertical	360	1.50	-	47.49	25.32	3.47	51.92

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

21/05/2022

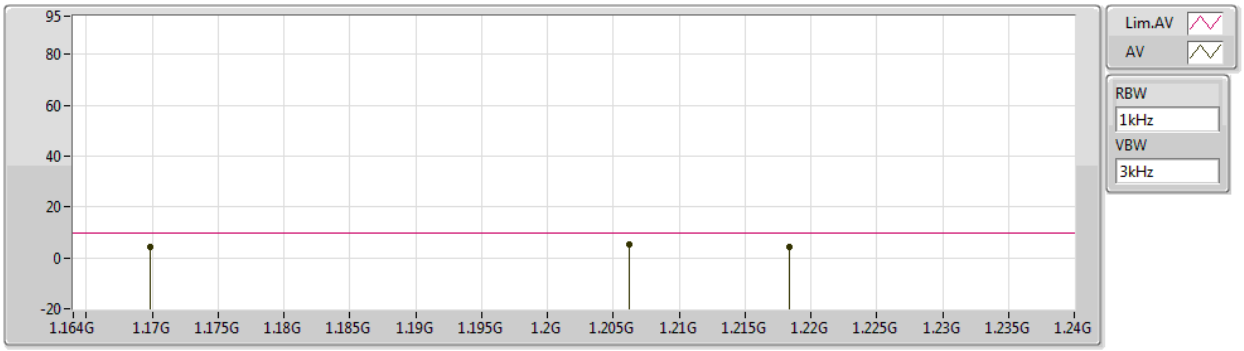


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.15392G	15.31	19.90	-4.59	-32.19	3	Horizontal	0	1.50	-	47.50	26.20	2.99	51.84
AV	1.34784G	15.20	19.90	-4.70	-32.26	3	Horizontal	0	1.50	-	47.46	25.90	3.26	51.88
AV	1.47712G	14.33	19.90	-5.57	-32.69	3	Horizontal	0	1.50	-	47.02	25.35	3.41	51.91

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

16/07/2022

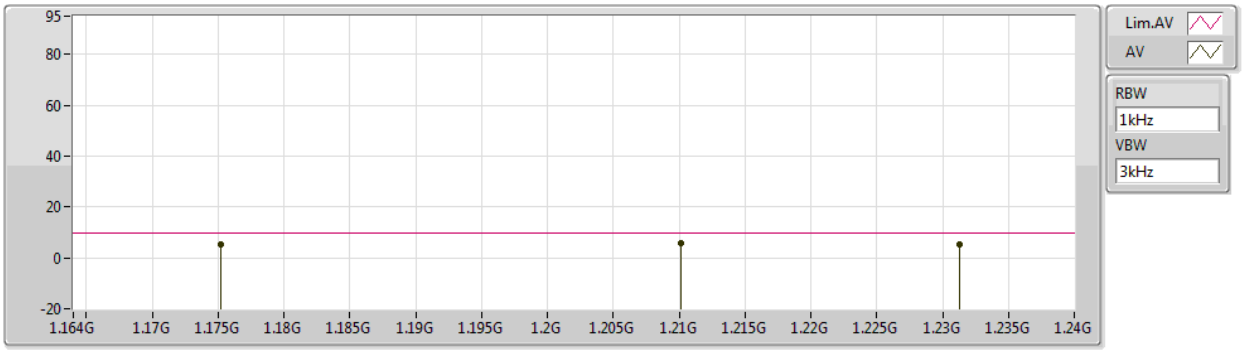


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.16982G	4.21	9.90	-5.69	-32.17	3	Vertical	0	1.50	-	36.38	26.20	3.01	51.84
AV	1.20621G	5.28	9.90	-4.62	-32.15	3	Vertical	0	1.50	-	37.43	26.18	3.06	51.85
AV	1.21841G	4.21	9.90	-5.69	-32.18	3	Vertical	0	1.50	-	36.39	26.13	3.08	51.85

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

16/07/2022

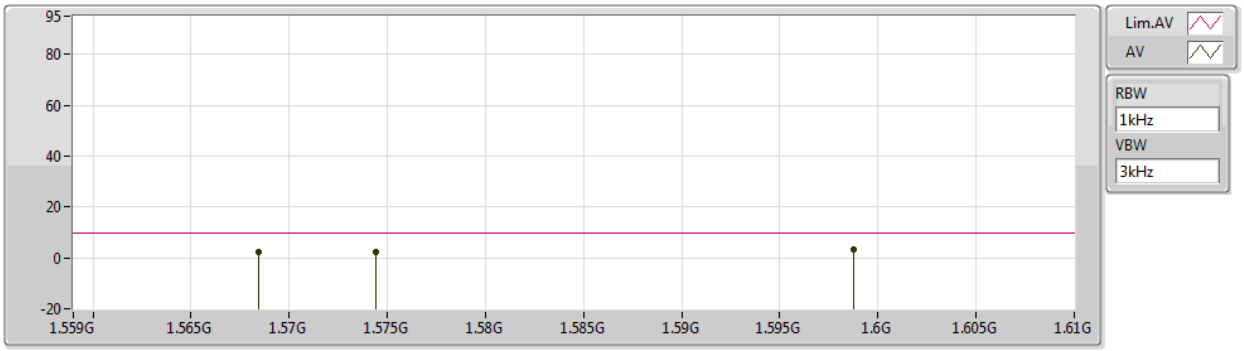


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.17522G	5.21	9.90	-4.69	-32.17	3	Horizontal	360	1.50	-	37.38	26.20	3.02	51.85
AV	1.21012G	5.85	9.90	-4.05	-32.17	3	Horizontal	360	1.50	-	38.02	26.16	3.06	51.85
AV	1.23132G	5.41	9.90	-4.49	-32.23	3	Horizontal	360	1.50	-	37.64	26.07	3.10	51.86

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

16/07/2022

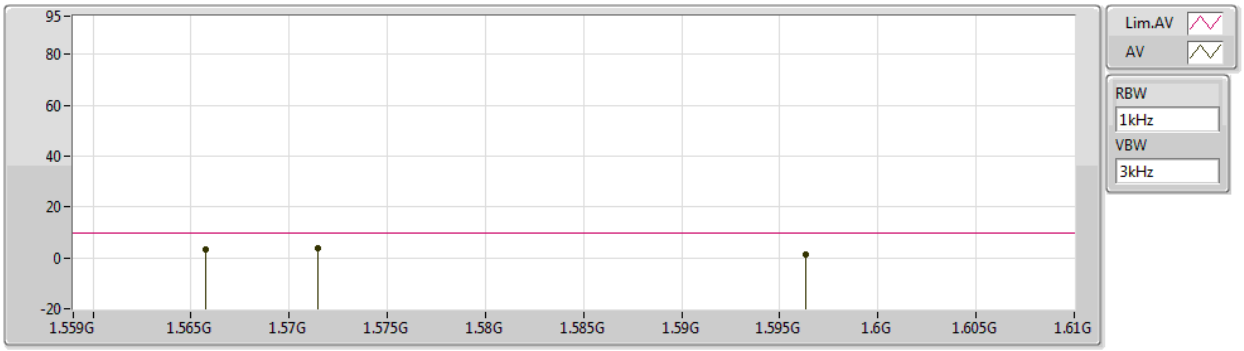


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.56842G	2.25	9.90	-7.65	-32.72	3	Vertical	360	1.50	-	34.97	25.26	3.49	51.93
AV	1.57444G	2.27	9.90	-7.63	-32.73	3	Vertical	360	1.50	-	35.00	25.25	3.50	51.94
AV	1.59874G	3.14	9.90	-6.76	-32.76	3	Vertical	360	1.50	-	35.90	25.20	3.52	51.94

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

16/07/2022

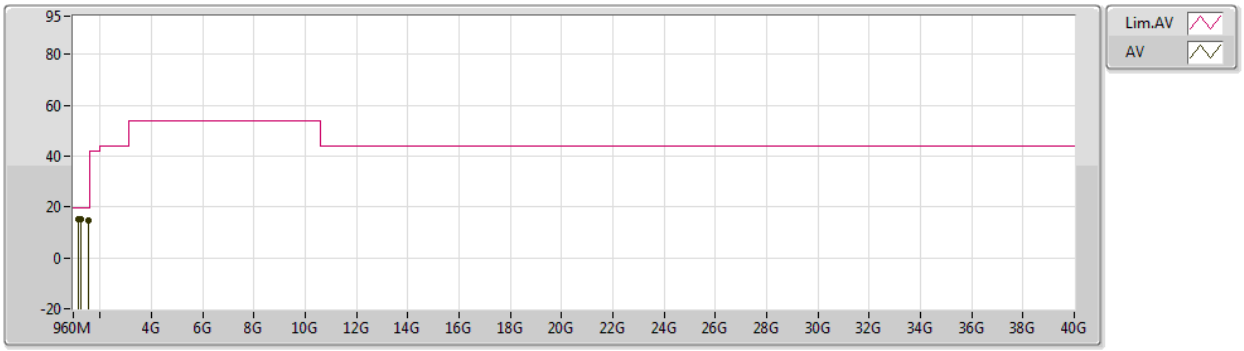


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.56574G	3.42	9.90	-6.48	-32.71	3	Horizontal	360	1.50	-	36.13	25.27	3.49	51.93
AV	1.57144G	3.74	9.90	-6.16	-32.72	3	Horizontal	360	1.50	-	36.46	25.26	3.49	51.93
AV	1.59635G	1.47	9.90	-8.43	-32.75	3	Horizontal	360	1.50	-	34.22	25.21	3.52	51.94

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

21/05/2022

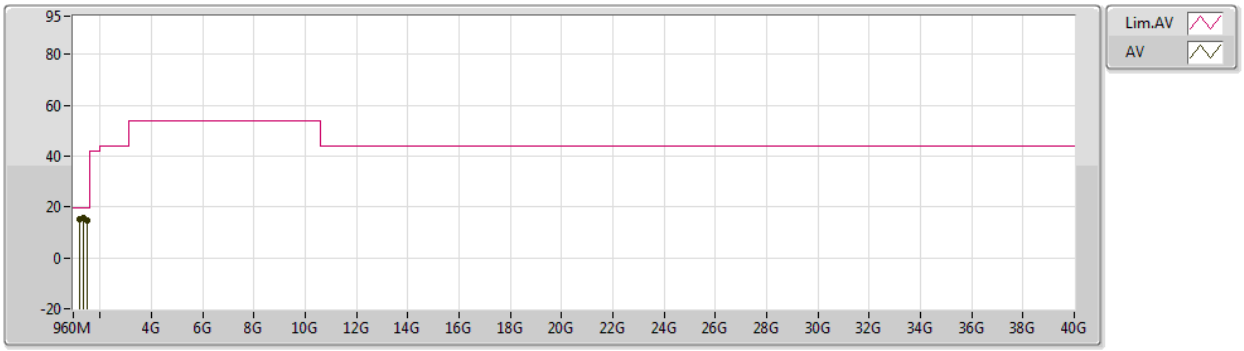


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.5256G	14.88	19.90	-5.02	-32.66	3	Vertical	360	1.50	-	47.54	25.35	3.45	51.92
AV	1.25088G	15.12	19.90	-4.78	-32.28	3	Vertical	360	1.50	-	47.40	26.00	3.12	51.86
AV	1.15392G	15.40	19.90	-4.50	-32.19	3	Vertical	360	1.50	-	47.59	26.20	2.99	51.84

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

21/05/2022

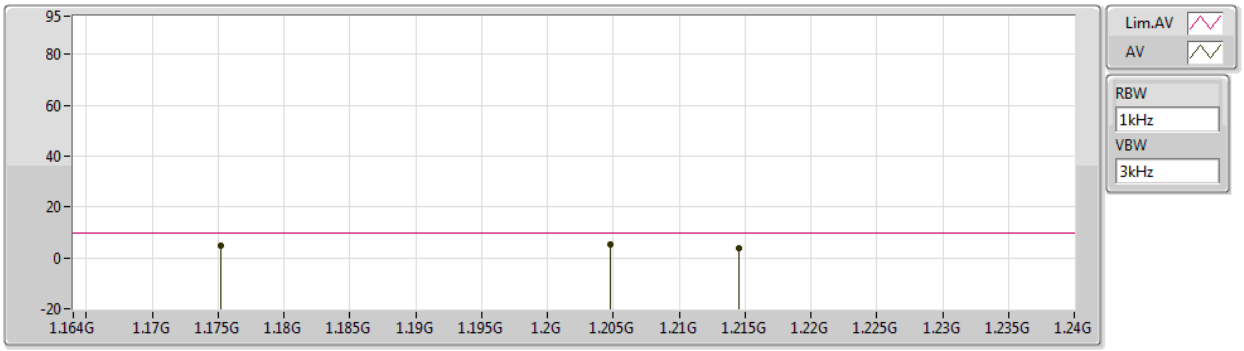


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.21048G	15.29	19.90	-4.61	-32.16	3	Horizontal	0	1.50	-	47.45	26.16	3.07	51.85
AV	1.34784G	15.50	19.90	-4.40	-32.26	3	Horizontal	0	1.50	-	47.76	25.90	3.26	51.88
AV	1.49328G	14.70	19.90	-5.20	-32.64	3	Horizontal	0	1.50	-	47.34	25.39	3.42	51.91

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

16/07/2022

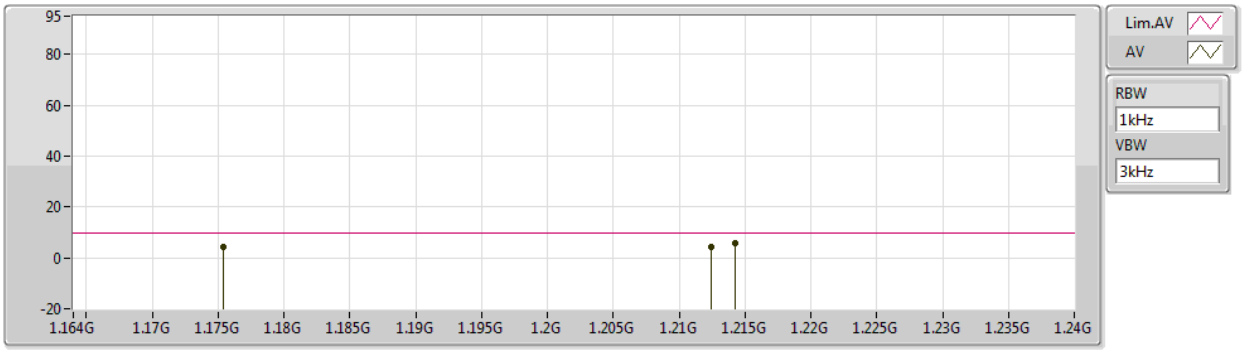


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.21452G	4.04	9.90	-5.86	-32.18	3	Vertical	360	1.50	-	36.22	26.14	3.07	51.85
AV	1.20478G	5.14	9.90	-4.76	-32.15	3	Vertical	360	1.50	-	37.29	26.18	3.06	51.85
AV	1.17522G	4.55	9.90	-5.35	-32.17	3	Vertical	360	1.50	-	36.72	26.20	3.02	51.85

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

16/07/2022

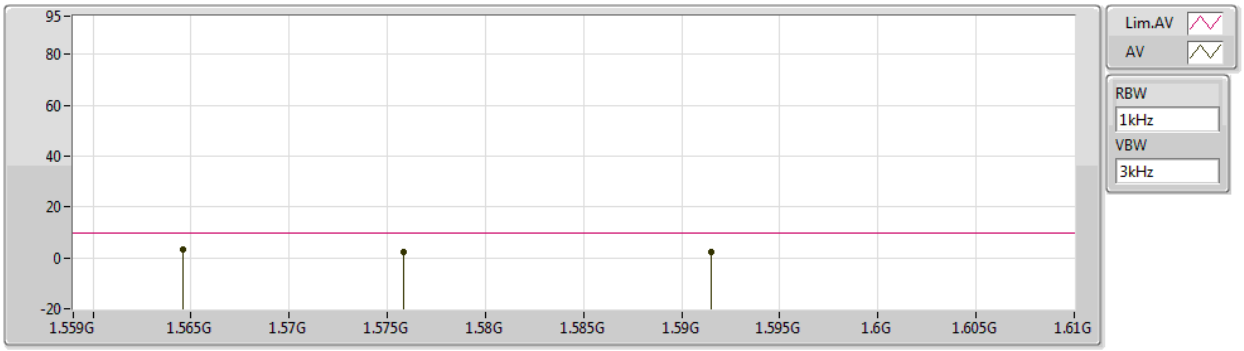


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.17542G	4.42	9.90	-5.48	-32.17	3	Horizontal	360	1.50	-	36.59	26.20	3.02	51.85
AV	1.2124G	4.52	9.90	-5.38	-32.17	3	Horizontal	360	1.50	-	36.69	26.15	3.07	51.85
AV	1.21421G	5.87	9.90	-4.03	-32.18	3	Horizontal	360	1.50	-	38.05	26.14	3.07	51.85

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

16/07/2022

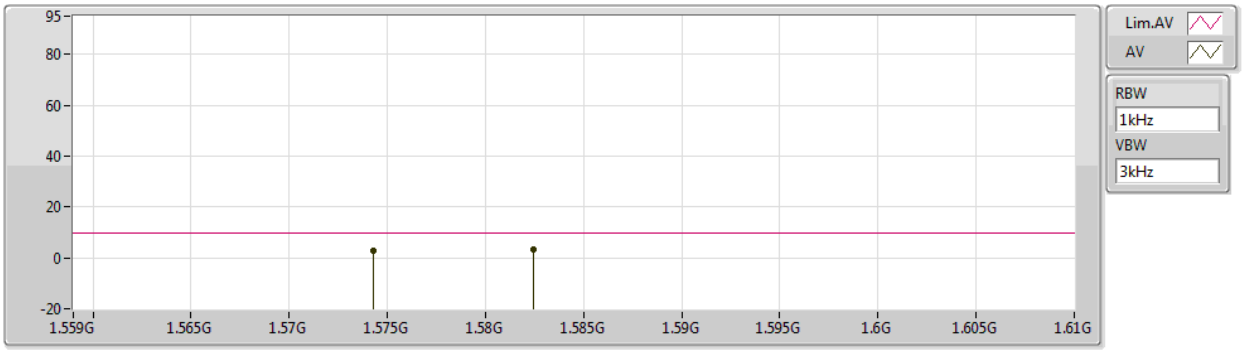


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.56459G	3.42	9.90	-6.48	-32.71	3	Vertical	360	1.50	-	36.13	25.27	3.49	51.93
AV	1.5758G	2.19	9.90	-7.71	-32.73	3	Vertical	360	1.50	-	34.92	25.25	3.50	51.94
AV	1.59147G	2.24	9.90	-7.66	-32.75	3	Vertical	360	1.50	-	34.99	25.22	3.51	51.94

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

16/07/2022



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.57427G	2.85	9.90	-7.05	-32.73	3	Horizontal	360	1.50	-	35.58	25.25	3.50	51.94
AV	1.58245G	3.14	9.90	-6.76	-32.74	3	Horizontal	360	1.50	-	35.88	25.24	3.50	51.94
AV	1.5533G	2.58	9.90	-7.32	-32.70	3	Horizontal	360	1.50	-	35.28	25.29	3.48	51.93

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
3.1-10.6GHz	-	-	-	-	-	-	-	-	-	-	-
Ultra Wide Band_Nss1_1TX	Pass	PK	171.62M	39.52	43.50	-3.98	3	Horizontal	0	1.00	-

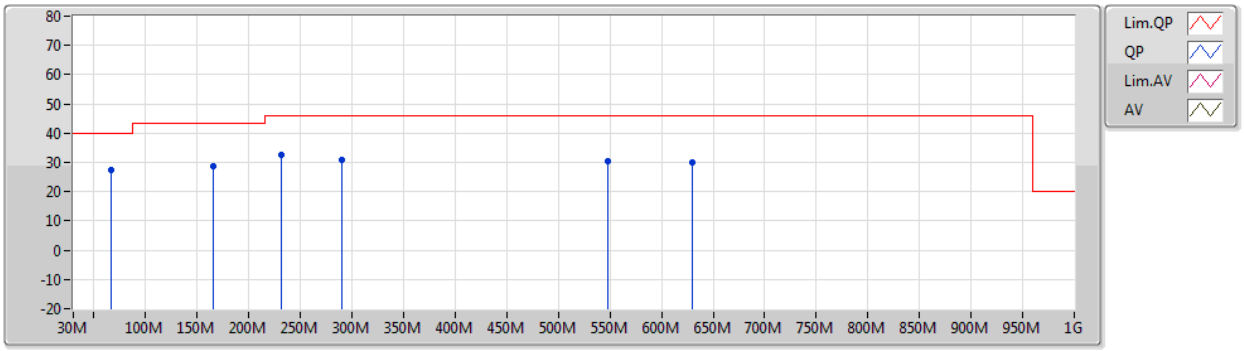
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Ultra Wide Band_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-
3494.4MHz	Pass	PK	66.86M	27.37	40.00	-12.63	3	Vertical	0	1.00	-
3494.4MHz	Pass	PK	165.8M	28.86	43.50	-14.64	3	Vertical	0	1.00	-
3494.4MHz	Pass	PK	231.76M	32.58	46.00	-13.42	3	Vertical	0	1.00	-
3494.4MHz	Pass	PK	289.96M	30.86	46.00	-15.14	3	Vertical	0	1.00	-
3494.4MHz	Pass	PK	547.98M	30.55	46.00	-15.45	3	Vertical	0	1.00	-
3494.4MHz	Pass	PK	629.46M	30.08	46.00	-15.92	3	Vertical	0	1.00	-
3494.4MHz	Pass	PK	165.8M	38.32	43.50	-5.18	3	Horizontal	360	1.00	-
3494.4MHz	Pass	PK	229.82M	38.83	46.00	-7.17	3	Horizontal	360	1.00	-
3494.4MHz	Pass	PK	291.9M	38.58	46.00	-7.42	3	Horizontal	360	1.00	-
3494.4MHz	Pass	PK	429.64M	31.85	46.00	-14.15	3	Horizontal	360	1.00	-
3494.4MHz	Pass	PK	503.36M	29.42	46.00	-16.58	3	Horizontal	360	1.00	-
3494.4MHz	Pass	PK	629.46M	31.09	46.00	-14.91	3	Horizontal	360	1.00	-
3993.6MHz	Pass	PK	31.94M	25.41	40.00	-14.59	3	Vertical	360	1.00	-
3993.6MHz	Pass	PK	146.4M	27.33	43.50	-16.17	3	Vertical	360	1.00	-
3993.6MHz	Pass	PK	171.62M	30.44	43.50	-13.06	3	Vertical	360	1.00	-
3993.6MHz	Pass	PK	262.8M	25.63	46.00	-20.37	3	Vertical	360	1.00	-
3993.6MHz	Pass	PK	367.56M	28.15	46.00	-17.85	3	Vertical	360	1.00	-
3993.6MHz	Pass	PK	664.38M	30.13	46.00	-15.87	3	Vertical	360	1.00	-
3993.6MHz	Pass	PK	171.62M	39.52	43.50	-3.98	3	Horizontal	0	1.00	-
3993.6MHz	Pass	PK	262.8M	36.64	46.00	-9.36	3	Horizontal	0	1.00	-
3993.6MHz	Pass	PK	367.56M	35.30	46.00	-10.70	3	Horizontal	0	1.00	-
3993.6MHz	Pass	PK	656.62M	30.24	46.00	-15.76	3	Horizontal	0	1.00	-
3993.6MHz	Pass	PK	757.5M	35.55	46.00	-10.45	3	Horizontal	0	1.00	-
3993.6MHz	Pass	PK	904.94M	32.42	46.00	-13.58	3	Horizontal	0	1.00	-

Ultra Wide Band_Nss1_1TX

3494.4MHz_DC Power Supply

22/05/2022

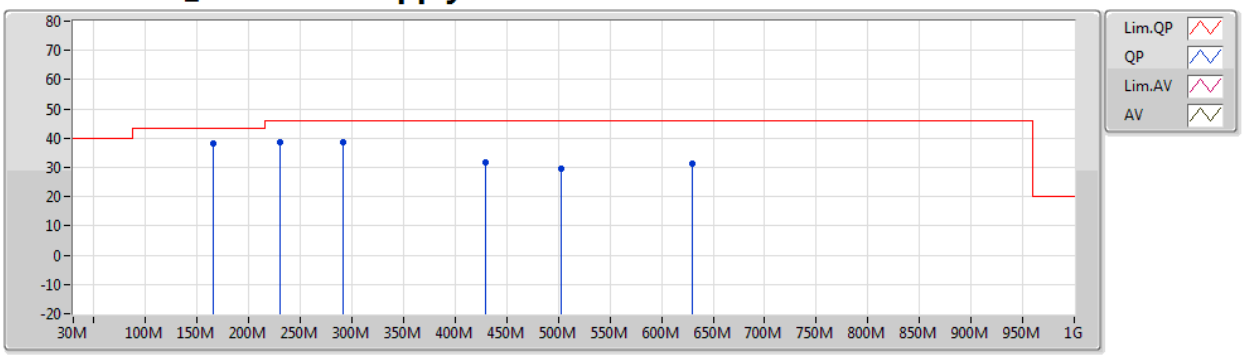


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	66.86M	27.37	40.00	-12.63	-14.60	3	Vertical	0	1.00	-	41.97	11.54	1.32	27.46
PK	165.8M	28.86	43.50	-14.64	-10.08	3	Vertical	0	1.00	-	38.94	14.88	2.12	27.08
PK	231.76M	32.58	46.00	-13.42	-8.88	3	Vertical	0	1.00	-	41.46	15.35	2.53	26.76
PK	289.96M	30.86	46.00	-15.14	-5.72	3	Vertical	0	1.00	-	36.58	18.04	2.86	26.62
PK	547.98M	30.55	46.00	-15.45	0.27	3	Vertical	0	1.00	-	30.28	24.29	3.96	27.98
PK	629.46M	30.08	46.00	-15.92	0.38	3	Vertical	0	1.00	-	29.70	24.06	4.32	28.00

Ultra Wide Band_Nss1_1TX

3494.4MHz_DC Power Supply

22/05/2022

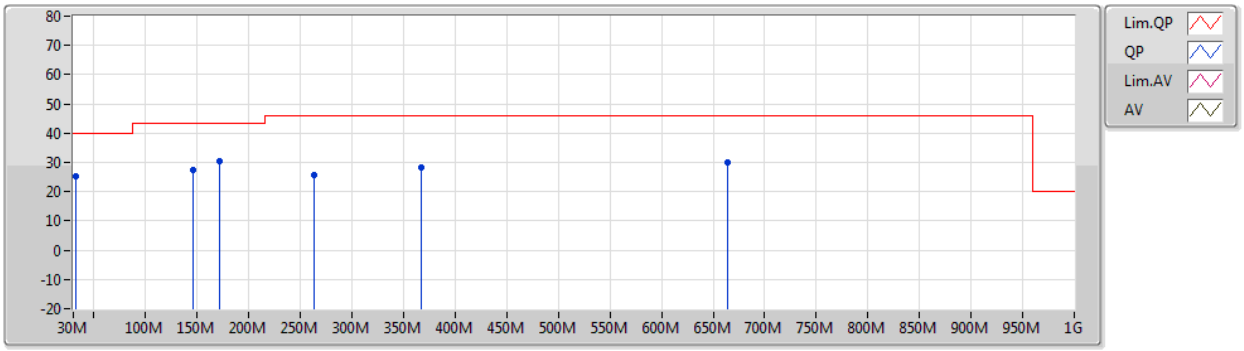


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	165.8M	38.32	43.50	-5.18	-10.08	3	Horizontal	360	1.00	-	48.40	14.88	2.12	27.08
PK	229.82M	38.83	46.00	-7.17	-9.12	3	Horizontal	360	1.00	-	47.95	15.12	2.52	26.76
PK	291.9M	38.58	46.00	-7.42	-5.66	3	Horizontal	360	1.00	-	44.24	18.09	2.87	26.62
PK	429.64M	31.85	46.00	-14.15	-2.07	3	Horizontal	360	1.00	-	33.92	21.84	3.50	27.41
PK	503.36M	29.42	46.00	-16.58	-1.23	3	Horizontal	360	1.00	-	30.65	22.73	3.82	27.78
PK	629.46M	31.09	46.00	-14.91	0.38	3	Horizontal	360	1.00	-	30.71	24.06	4.32	28.00

Ultra Wide Band_Nss1_1TX

3993.6MHz_DC Power Supply

22/05/2022

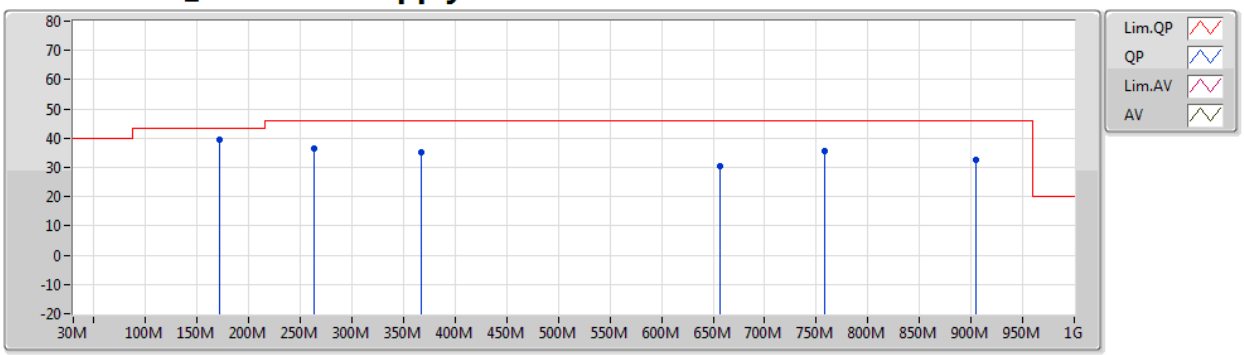


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	31.94M	25.41	40.00	-14.59	-4.42	3	Vertical	360	1.00	-	29.83	22.23	0.91	27.56
PK	146.4M	27.33	43.50	-16.17	-9.49	3	Vertical	360	1.00	-	36.82	15.69	1.98	27.16
PK	171.62M	30.44	43.50	-13.06	-10.28	3	Vertical	360	1.00	-	40.72	14.60	2.16	27.04
PK	262.8M	25.63	46.00	-20.37	-5.51	3	Vertical	360	1.00	-	31.14	18.45	2.70	26.66
PK	367.56M	28.15	46.00	-17.85	-3.85	3	Vertical	360	1.00	-	32.00	19.91	3.22	26.98
PK	664.38M	30.13	46.00	-15.87	0.53	3	Vertical	360	1.00	-	29.60	24.08	4.44	27.99

Ultra Wide Band_Nss1_1TX

3993.6MHz_DC Power Supply

22/05/2022



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	171.62M	39.52	43.50	-3.98	-10.28	3	Horizontal	0	1.00	-	49.80	14.60	2.16	27.04
PK	262.8M	36.64	46.00	-9.36	-5.51	3	Horizontal	0	1.00	-	42.15	18.45	2.70	26.66
PK	367.56M	35.30	46.00	-10.70	-3.85	3	Horizontal	0	1.00	-	39.15	19.91	3.22	26.98
PK	656.62M	30.24	46.00	-15.76	0.43	3	Horizontal	0	1.00	-	29.81	24.03	4.41	28.01
PK	757.5M	35.55	46.00	-10.45	2.09	3	Horizontal	0	1.00	-	33.46	25.08	4.76	27.75
PK	904.94M	32.42	46.00	-13.58	3.25	3	Horizontal	0	1.00	-	29.17	25.49	5.29	27.53

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
7.25-1025GHz	-	-	-	-	-	-	-	-	-	-	-
Ultra Wide Band_Nss1_1TX	Pass	AV	1.18741G	5.55	9.90	-4.35	3	Vertical	0	1.50	-

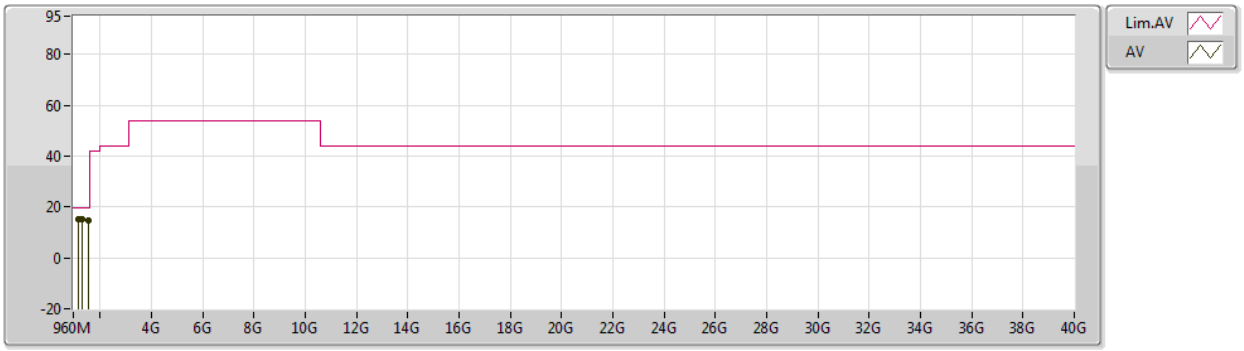
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Ultra Wide Band_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-
3494.4MHz	Pass	AV	1.52776G	14.51	19.90	-5.39	3	Vertical	0	1.50	-
3494.4MHz	Pass	AV	1.3224G	15.02	19.90	-4.88	3	Vertical	0	1.50	-
3494.4MHz	Pass	AV	1.16536G	15.36	19.90	-4.54	3	Vertical	0	1.50	-
3494.4MHz	Pass	AV	1.18952G	14.95	19.90	-4.95	3	Horizontal	360	1.50	-
3494.4MHz	Pass	AV	1.3224G	14.92	19.90	-4.98	3	Horizontal	360	1.50	-
3494.4MHz	Pass	AV	1.47944G	14.36	19.90	-5.54	3	Horizontal	360	1.50	-
3494.4MHz	Pass	AV	1.18741G	5.55	9.90	-4.35	3	Vertical	0	1.50	-
3494.4MHz	Pass	AV	1.20347G	5.45	9.90	-4.45	3	Vertical	0	1.50	-
3494.4MHz	Pass	AV	1.21658G	5.02	9.90	-4.88	3	Vertical	0	1.50	-
3494.4MHz	Pass	AV	1.22524G	4.24	9.90	-5.66	3	Horizontal	360	1.50	-
3494.4MHz	Pass	AV	1.20251G	5.21	9.90	-4.69	3	Horizontal	360	1.50	-
3494.4MHz	Pass	AV	1.18587G	4.88	9.90	-5.02	3	Horizontal	360	1.50	-
3494.4MHz	Pass	AV	1.57457G	2.45	9.90	-7.45	3	Vertical	360	1.50	-
3494.4MHz	Pass	AV	1.58683G	2.75	9.90	-7.15	3	Vertical	360	1.50	-
3494.4MHz	Pass	AV	1.56842G	2.59	9.90	-7.31	3	Vertical	360	1.50	-
3494.4MHz	Pass	AV	1.58454G	0.48	9.90	-9.42	3	Horizontal	0	1.50	-
3494.4MHz	Pass	AV	1.57852G	2.24	9.90	-7.66	3	Horizontal	0	1.50	-
3494.4MHz	Pass	AV	1.59388G	1.52	9.90	-8.38	3	Horizontal	0	1.50	-
3993.6MHz	Pass	AV	1.34656G	14.74	19.90	-5.16	3	Vertical	0	1.50	-
3993.6MHz	Pass	AV	1.51568G	14.62	19.90	-5.28	3	Vertical	0	1.50	-
3993.6MHz	Pass	AV	1.15328G	14.74	19.90	-5.16	3	Vertical	0	1.50	-
3993.6MHz	Pass	AV	1.16536G	15.16	19.90	-4.74	3	Horizontal	360	1.50	-
3993.6MHz	Pass	AV	1.35864G	14.76	19.90	-5.14	3	Horizontal	360	1.50	-
3993.6MHz	Pass	AV	1.49152G	14.25	19.90	-5.65	3	Horizontal	360	1.50	-
3993.6MHz	Pass	AV	1.20858G	5.49	9.90	-4.41	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.2005G	4.54	9.90	-5.36	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.18746G	4.14	9.90	-5.76	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.17772G	4.20	9.90	-5.70	3	Horizontal	0	1.50	-
3993.6MHz	Pass	AV	1.19552G	4.55	9.90	-5.35	3	Horizontal	0	1.50	-
3993.6MHz	Pass	AV	1.20524G	4.54	9.90	-5.36	3	Horizontal	0	1.50	-
3993.6MHz	Pass	AV	1.56521G	3.52	9.90	-6.38	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.58554G	2.21	9.90	-7.69	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.5954G	3.85	9.90	-6.05	3	Vertical	360	1.50	-
3993.6MHz	Pass	AV	1.57444G	2.28	9.90	-7.62	3	Horizontal	0	1.50	-
3993.6MHz	Pass	AV	1.58541G	1.44	9.90	-8.46	3	Horizontal	0	1.50	-
3993.6MHz	Pass	AV	1.57521G	1.57	9.90	-8.33	3	Horizontal	0	1.50	-

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

21/05/2022

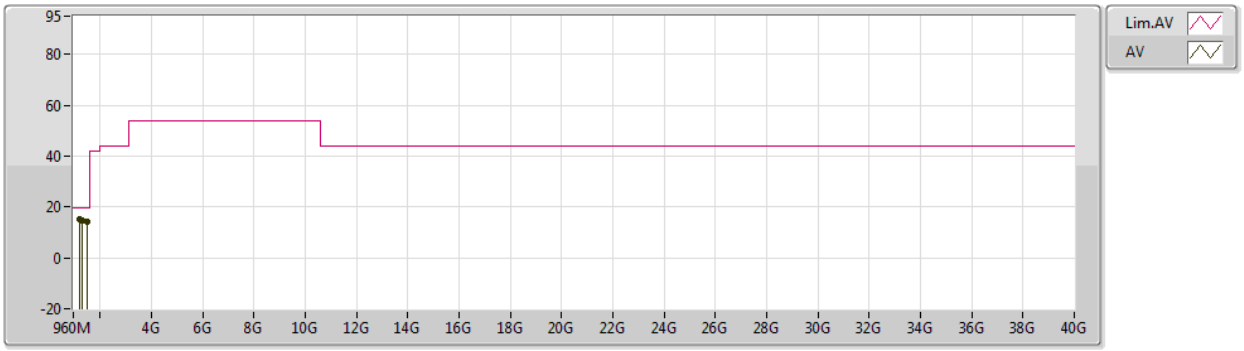


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.52776G	14.51	19.90	-5.39	-32.67	3	Vertical	0	1.50	-	47.18	25.34	3.45	51.92
AV	1.3224G	15.02	19.90	-4.88	-32.28	3	Vertical	0	1.50	-	47.30	25.90	3.23	51.87
AV	1.16536G	15.36	19.90	-4.54	-32.18	3	Vertical	0	1.50	-	47.54	26.20	3.00	51.84

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

21/05/2022

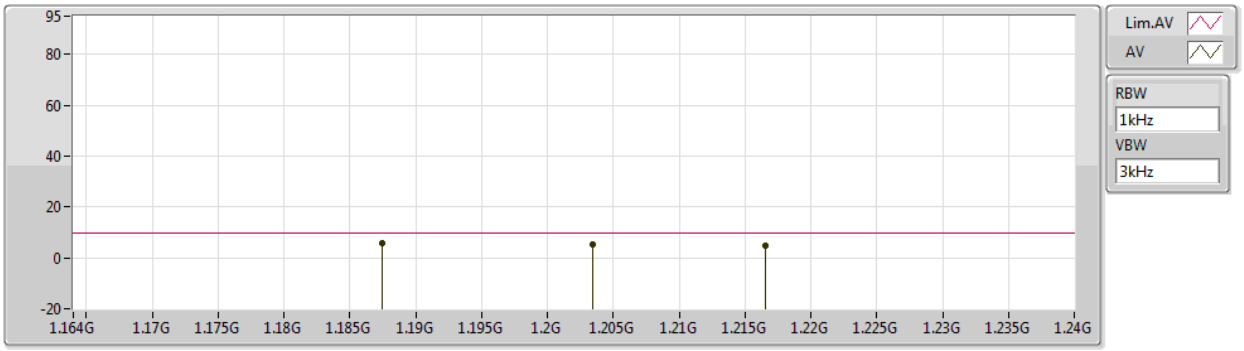


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.18952G	14.95	19.90	-4.95	-32.15	3	Horizontal	360	1.50	-	47.10	26.20	3.04	51.85
AV	1.3224G	14.92	19.90	-4.98	-32.28	3	Horizontal	360	1.50	-	47.20	25.90	3.23	51.87
AV	1.47944G	14.36	19.90	-5.54	-32.68	3	Horizontal	360	1.50	-	47.04	25.36	3.41	51.91

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

16/07/2022

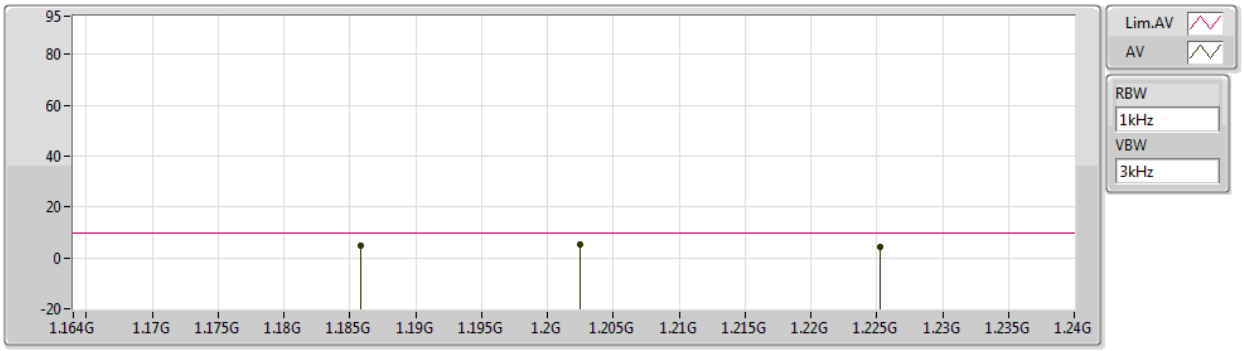


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.18741G	5.55	9.90	-4.35	-32.16	3	Vertical	0	1.50	-	37.71	26.20	3.03	51.85
AV	1.20347G	5.45	9.90	-4.45	-32.14	3	Vertical	0	1.50	-	37.59	26.19	3.06	51.85
AV	1.21658G	5.02	9.90	-4.88	-32.19	3	Vertical	0	1.50	-	37.21	26.13	3.07	51.85

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

16/07/2022

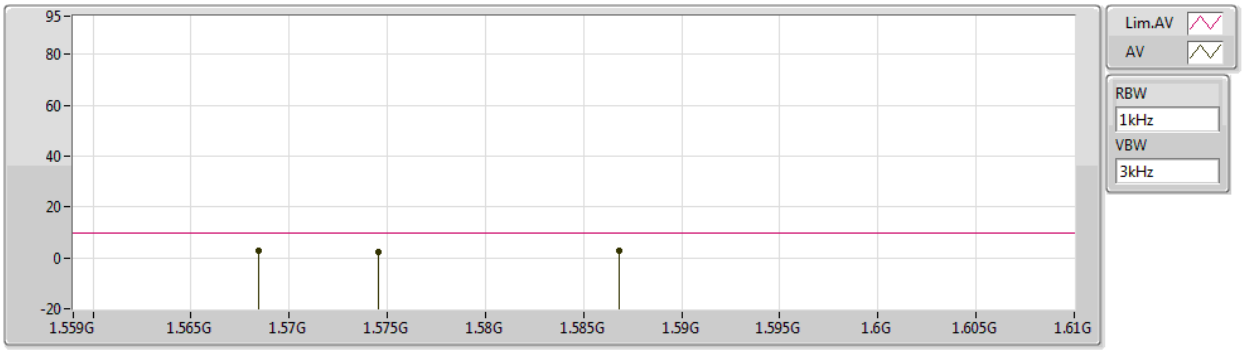


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.22524G	4.24	9.90	-5.66	-32.21	3	Horizontal	360	1.50	-	36.45	26.10	3.09	51.86
AV	1.20251G	5.21	9.90	-4.69	-32.15	3	Horizontal	360	1.50	-	37.36	26.19	3.05	51.85
AV	1.18587G	4.88	9.90	-5.02	-32.16	3	Horizontal	360	1.50	-	37.04	26.20	3.03	51.85

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

16/07/2022

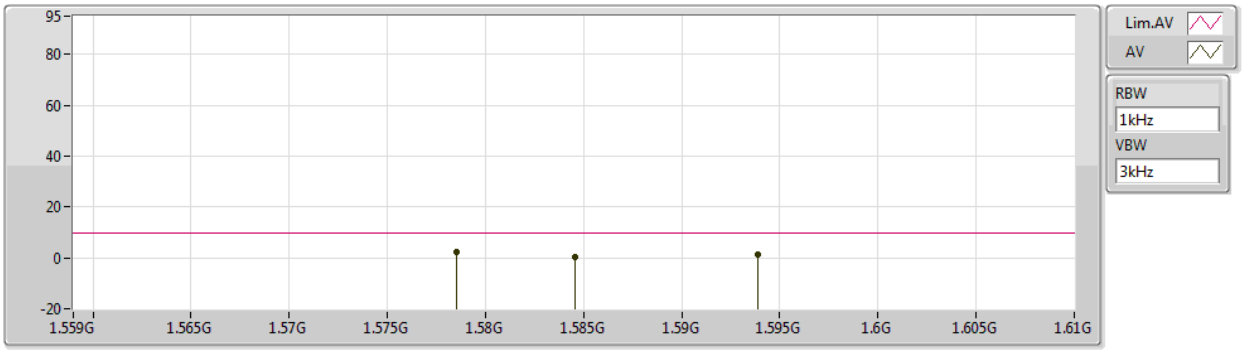


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.57457G	2.45	9.90	-7.45	-32.73	3	Vertical	360	1.50	-	35.18	25.25	3.50	51.94
AV	1.58683G	2.75	9.90	-7.15	-32.74	3	Vertical	360	1.50	-	35.49	25.23	3.51	51.94
AV	1.56842G	2.59	9.90	-7.31	-32.72	3	Vertical	360	1.50	-	35.31	25.26	3.49	51.93

Ultra Wide Band_Nss1_1TX

3494.4MHz_TX

16/07/2022

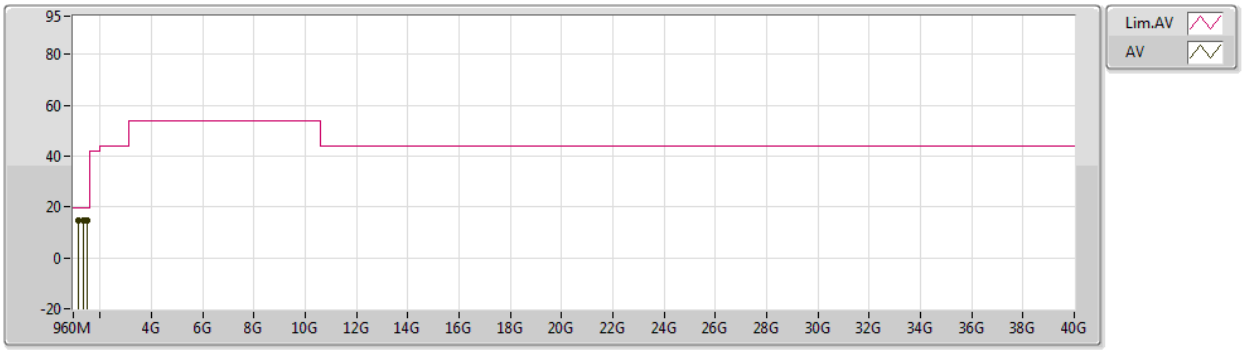


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.58454G	0.48	9.90	-9.42	-32.74	3	Horizontal	0	1.50	-	33.22	25.23	3.51	51.94
AV	1.57852G	2.24	9.90	-7.66	-32.74	3	Horizontal	0	1.50	-	34.98	25.24	3.50	51.94
AV	1.59388G	1.52	9.90	-8.38	-32.76	3	Horizontal	0	1.50	-	34.28	25.21	3.51	51.94

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

21/05/2022

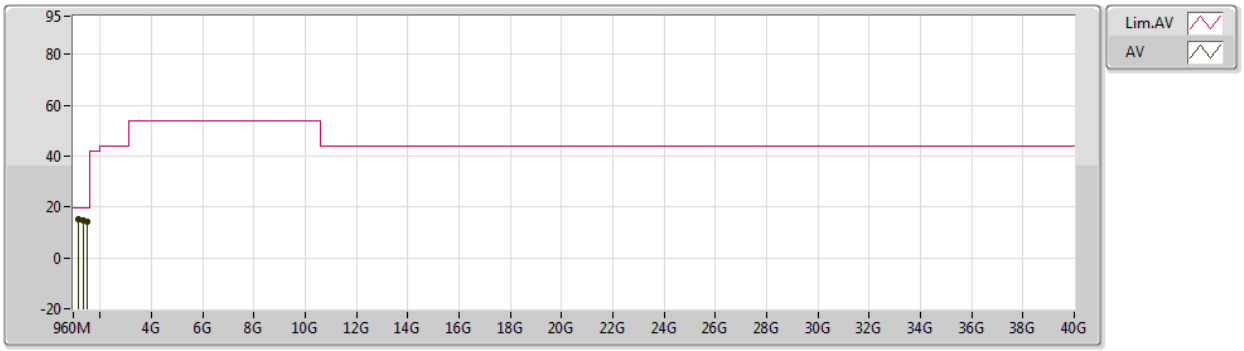


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.34656G	14.74	19.90	-5.16	-32.26	3	Vertical	0	1.50	-	47.00	25.90	3.26	51.88
AV	1.51568G	14.62	19.90	-5.28	-32.65	3	Vertical	0	1.50	-	47.27	25.37	3.44	51.92
AV	1.15328G	14.74	19.90	-5.16	-32.19	3	Vertical	0	1.50	-	46.93	26.20	2.99	51.84

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

21/05/2022

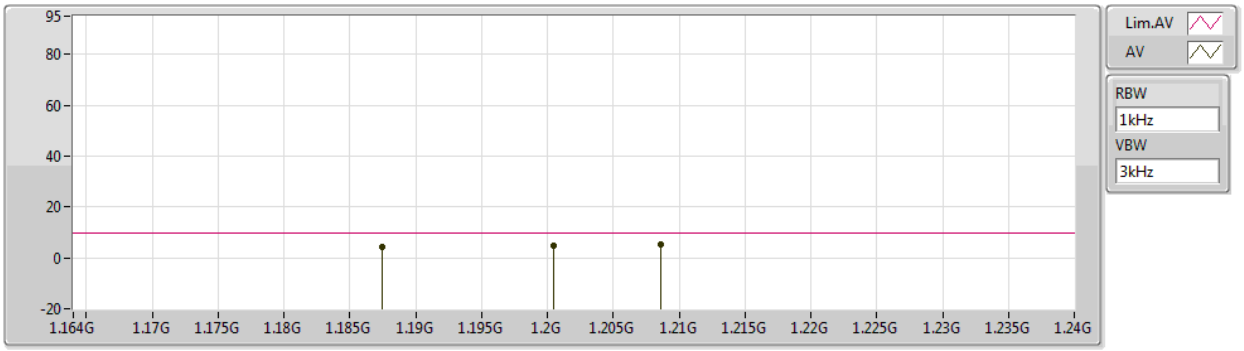


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.16536G	15.16	19.90	-4.74	-32.18	3	Horizontal	360	1.50	-	47.34	26.20	3.00	51.84
AV	1.35864G	14.76	19.90	-5.14	-32.34	3	Horizontal	360	1.50	-	47.10	25.80	3.28	51.88
AV	1.49152G	14.25	19.90	-5.65	-32.65	3	Horizontal	360	1.50	-	46.90	25.38	3.42	51.91

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

16/07/2022

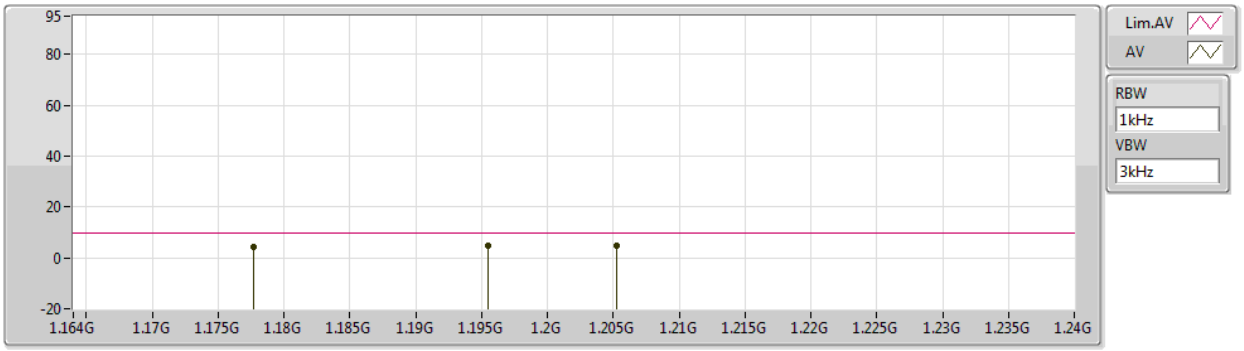


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.20858G	5.49	9.90	-4.41	-32.16	3	Vertical	360	1.50	-	37.65	26.17	3.06	51.85
AV	1.2005G	4.54	9.90	-5.36	-32.14	3	Vertical	360	1.50	-	36.68	26.20	3.05	51.85
AV	1.18746G	4.14	9.90	-5.76	-32.16	3	Vertical	360	1.50	-	36.30	26.20	3.03	51.85

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

16/07/2022

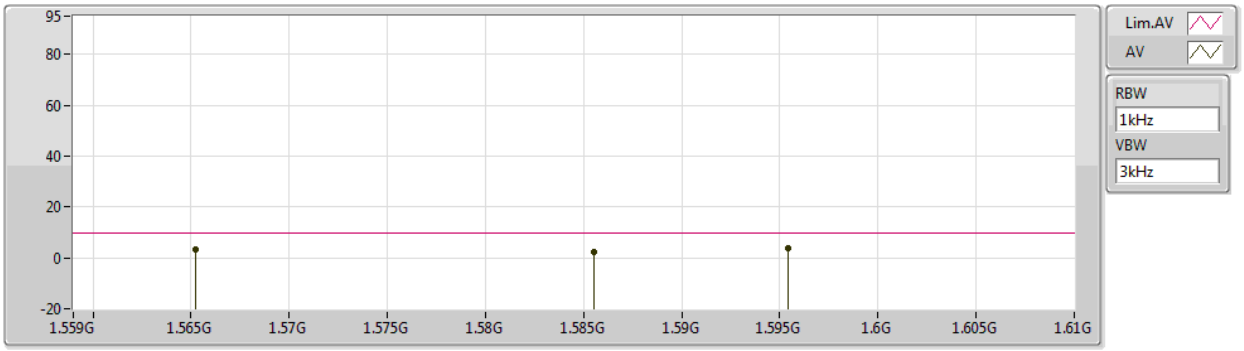


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.17772G	4.20	9.90	-5.70	-32.17	3	Horizontal	0	1.50	-	36.37	26.20	3.02	51.85
AV	1.19552G	4.55	9.90	-5.35	-32.15	3	Horizontal	0	1.50	-	36.70	26.20	3.04	51.85
AV	1.20524G	4.54	9.90	-5.36	-32.15	3	Horizontal	0	1.50	-	36.69	26.18	3.06	51.85

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

16/07/2022

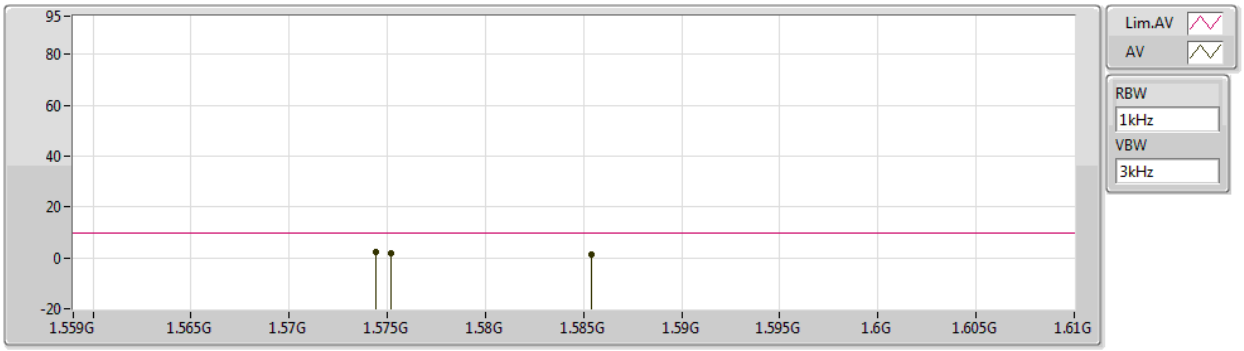


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.56521G	3.52	9.90	-6.38	-32.71	3	Vertical	360	1.50	-	36.23	25.27	3.49	51.93
AV	1.58554G	2.21	9.90	-7.69	-32.74	3	Vertical	360	1.50	-	34.95	25.23	3.51	51.94
AV	1.5954G	3.85	9.90	-6.05	-32.75	3	Vertical	360	1.50	-	36.60	25.21	3.52	51.94

Ultra Wide Band_Nss1_1TX

3993.6MHz_TX

16/07/2022



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	1.57444G	2.28	9.90	-7.62	-32.73	3	Horizontal	0	1.50	-	35.01	25.25	3.50	51.94
AV	1.58541G	1.44	9.90	-8.46	-32.74	3	Horizontal	0	1.50	-	34.18	25.23	3.51	51.94
AV	1.57521G	1.57	9.90	-8.33	-32.73	3	Horizontal	0	1.50	-	34.30	25.25	3.50	51.94

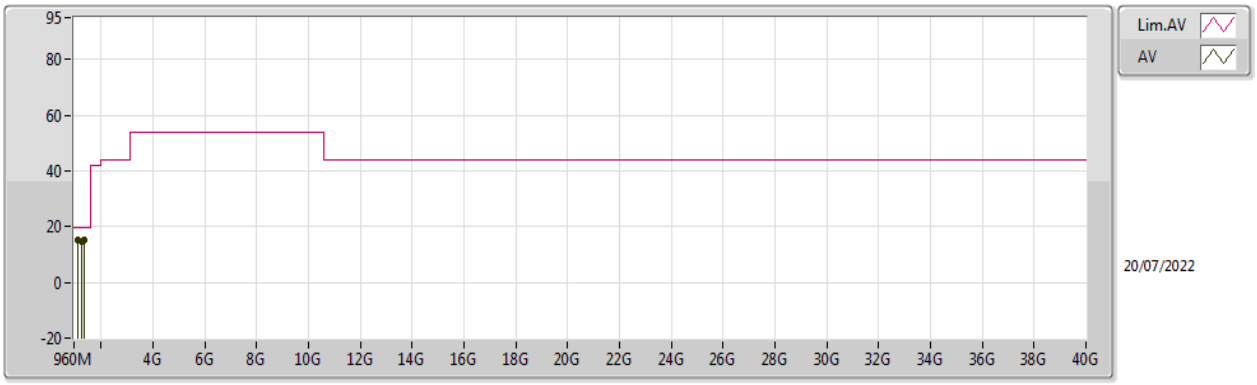
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.18641G	5.52	9.90	-4.38	Vertical

Result

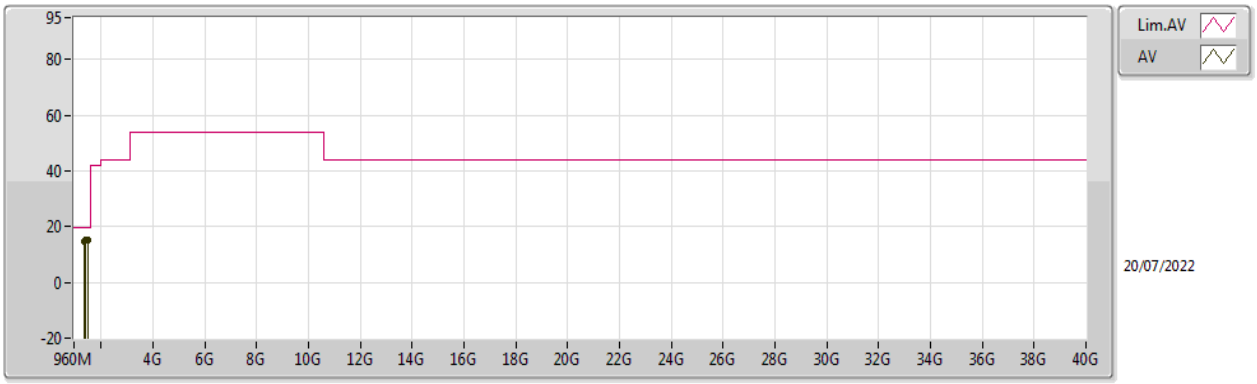
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	1.232G	14.89	19.90	-5.01	3	Vertical	91	1.50	-
Mode 1	Pass	AV	1.369G	15.03	19.90	-4.87	3	Vertical	153	1.50	-
Mode 1	Pass	AV	1.1256G	14.96	19.90	-4.94	3	Vertical	152	1.26	-
Mode 1	Pass	AV	1.5133G	15.23	19.90	-4.67	3	Horizontal	0	1.50	-
Mode 1	Pass	AV	1.35664G	14.85	19.90	-5.05	3	Horizontal	97	1.82	-
Mode 1	Pass	AV	1.4234G	15.01	19.90	-4.89	3	Horizontal	266	1.23	-
Mode 1	Pass	AV	1.18641G	5.52	9.90	-4.38	3	Vertical	0	0.00	-
Mode 1	Pass	AV	1.20314G	5.33	9.90	-4.57	3	Vertical	0	0.00	-
Mode 1	Pass	AV	1.21754G	5.00	9.90	-4.90	3	Vertical	0	0.00	-
Mode 1	Pass	AV	1.1772G	4.33	9.90	-5.57	3	Horizontal	360	1.50	-
Mode 1	Pass	AV	1.20565G	3.41	9.90	-6.49	3	Horizontal	360	1.50	-
Mode 1	Pass	AV	1.22024G	4.21	9.90	-5.69	3	Horizontal	360	1.50	-
Mode 1	Pass	AV	1.56955G	2.42	9.90	-7.48	3	Vertical	0	1.50	-
Mode 1	Pass	AV	1.5734G	2.62	9.90	-7.28	3	Vertical	0	1.50	-
Mode 1	Pass	AV	1.58246G	2.74	9.90	-7.16	3	Vertical	0	1.50	-
Mode 1	Pass	AV	1.5734G	2.35	9.90	-7.55	3	Horizontal	360	1.50	-
Mode 1	Pass	AV	1.58449G	-0.16	9.90	-10.06	3	Horizontal	360	1.50	-
Mode 1	Pass	AV	1.59374G	1.58	9.90	-8.32	3	Horizontal	360	1.50	-

Radiated Emissions above 1GHz_Mode 1



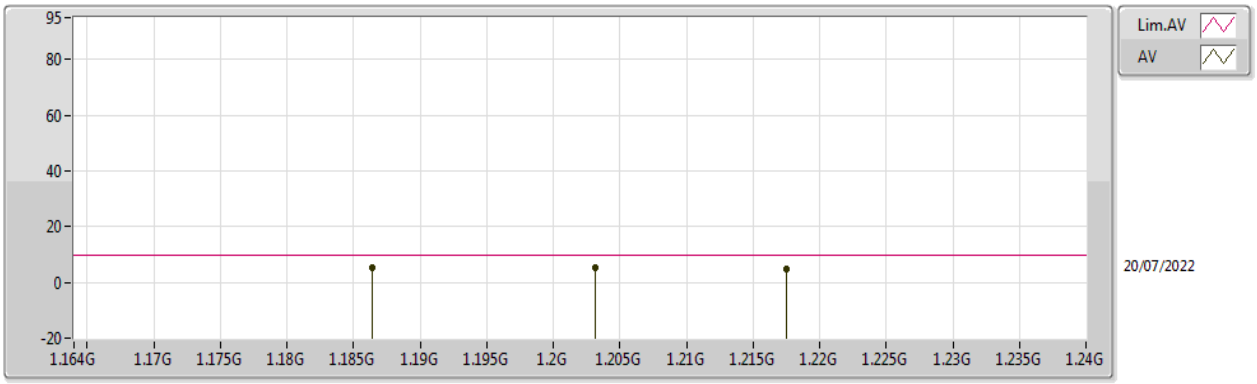
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	1.232G	14.89	19.90	-5.01	-30.36	3	Vertical	91	1.50	-	45.25	26.07	3.10	49.99
AV	1.369G	15.03	19.90	-4.87	-30.59	3	Vertical	153	1.50	-	45.62	25.67	3.30	50.02
AV	1.1256G	14.96	19.90	-4.94	-30.84	3	Vertical	152	1.26	-	45.80	25.71	2.95	49.96

Radiated Emissions above 1GHz_Mode 1



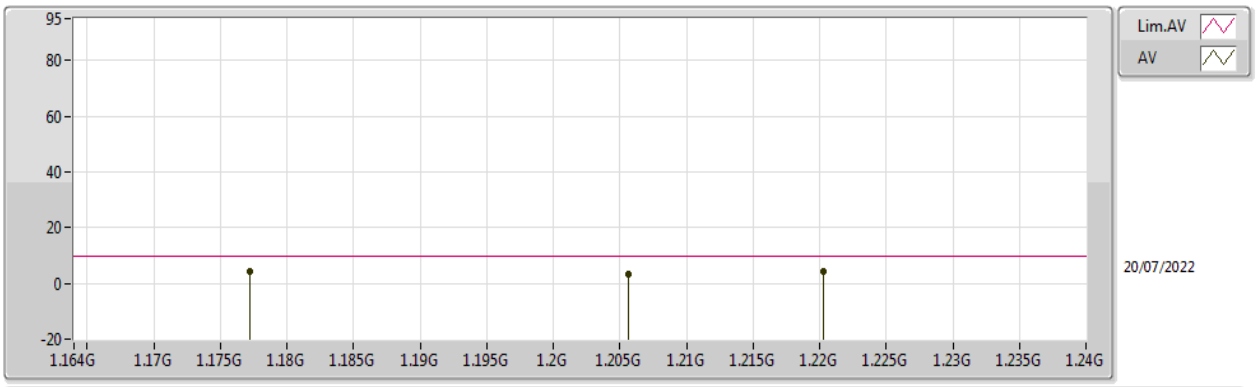
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	1.5133G	15.23	19.90	-4.67	-30.79	3	Horizontal	0	1.50	-	46.02	25.37	3.44	50.06
AV	1.35664G	14.85	19.90	-5.05	-30.46	3	Horizontal	97	1.82	-	45.31	25.82	3.28	50.02
AV	1.4234G	15.01	19.90	-4.89	-30.91	3	Horizontal	266	1.23	-	45.92	25.30	3.36	50.03

Radiated Emissions above 1GHz_Mode 1



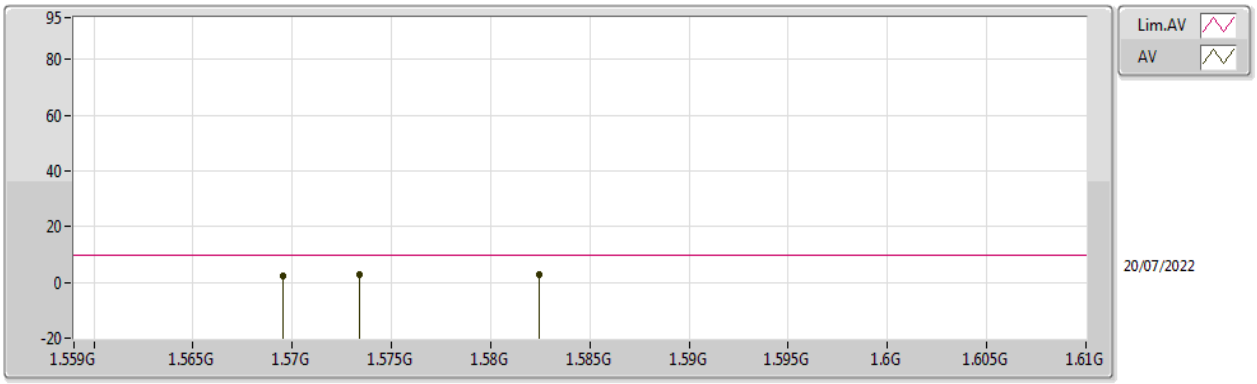
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	1.18641G	5.52	9.90	-4.38	-30.28	3	Vertical	0	0.00	-	35.80	26.20	3.03	49.97
AV	1.20314G	5.33	9.90	-4.57	-30.28	3	Vertical	0	0.00	-	35.61	26.19	3.05	49.98
AV	1.21754G	5.00	9.90	-4.90	-30.31	3	Vertical	0	0.00	-	35.31	26.13	3.08	49.98

Radiated Emissions above 1GHz_Mode 1



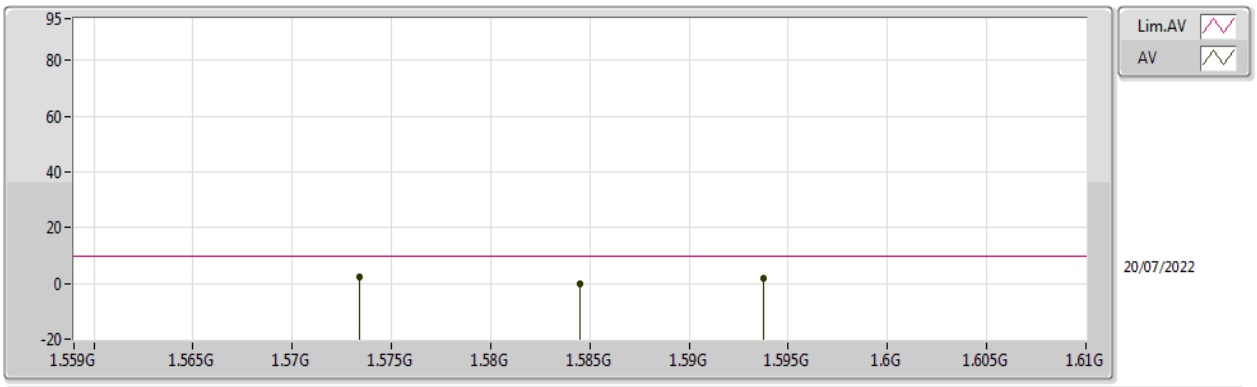
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	1.1772G	4.33	9.90	-5.57	-30.29	3	Horizontal	360	1.50	-	34.62	26.20	3.02	49.97
AV	1.20565G	3.41	9.90	-6.49	-30.28	3	Horizontal	360	1.50	-	33.69	26.18	3.06	49.98
AV	1.22024G	4.21	9.90	-5.69	-30.32	3	Horizontal	360	1.50	-	34.53	26.12	3.08	49.98

Radiated Emissions above 1GHz_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	1.56955G	2.42	9.90	-7.48	-30.87	3	Vertical	0	1.50	-	33.29	25.26	3.49	50.08
AV	1.5734G	2.62	9.90	-7.28	-30.87	3	Vertical	0	1.50	-	33.49	25.25	3.50	50.08
AV	1.58246G	2.74	9.90	-7.16	-30.88	3	Vertical	0	1.50	-	33.62	25.24	3.50	50.08

Radiated Emissions above 1GHz_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	1.5734G	2.35	9.90	-7.55	-30.87	3	Horizontal	360	1.50	-	33.22	25.25	3.50	50.08
AV	1.58449G	-0.16	9.90	-10.06	-30.88	3	Horizontal	360	1.50	-	30.72	25.23	3.51	50.08
AV	1.59374G	1.58	9.90	-8.32	-30.91	3	Horizontal	360	1.50	-	32.49	25.21	3.51	50.09