

FCC Test Report

FCC ID : 2A6PM-UA2-FZA-V2
Equipment : Forklift Zone Anchor
Brand Name : TRIO MOBIL
Model Name : UA2-FZA-V2, UA2-PCD-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 15.517

The product was received on Mar. 28, 2022, and testing was started from May 05, 2022 and completed on Jun. 02, 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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History of this test report

[illegible]

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
1.1.6	15.517(a)	Operational Restriction	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.517(b)	UWB Bandwidth	PASS	-
3.3	15.517(e)	Peak Emissions within a 50 MHz Bandwidth	PASS	-
3.4	15.517(c) /15.517(d)	Radiated Emissions	PASS	-

Declaration of Conformity:

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

Comments and explanations:

None

Reviewed by: Sam Tsai

Report Producer: Amber Chiu

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)	
		3494.4 MHz	3993.6 MHz
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 AC Adapter
Type of EUT	
☒	Stand-alone
☐	Combined (EUT where the radio part is fully integrated within another device) Combined Equipment - Brand Name / Model No.: ...
☐	Plug-in radio (EUT intended for a variety of host systems) Host System - Brand Name / Model No.: ...
☐	Other:

1.1.4 Test Signal Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
Ultra Wide Band	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)

1.1.5 Table for Multiple Listing

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

Model Name	Description
UA2-FZA-V2, UA2-PCD-V2	All the models are identical, the difference model served as marketing strategy.

1.1.6 Operational Restriction

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

1.2 Testing Applied Standards

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

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

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

- ♦ KDB 393764 D01 v02
- ♦ KDB 412172 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.) TEL: 886-3-327-3456 FAX: 886-3-327-0973			
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	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%	22/May/2022~23/May/2022
Radiated	03CH03-HY	Daniel Lin	20.5~25.4°C / 52~64%	05/May/2022~02/Jun/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	120V

2.2 The Worst Case Configuration

Test Software Version	Docklight
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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
Operating Mode	CTX
1	Adapter Mode

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

2.4 Accessories

Accessories				
AC Adapter	Brand Name	MEAN WELL	Model Name	GS06E-1
	Manufacturer	-	SN	-
	Power Rating	I/P: 100- 240 Vac, 0.2 A, O/P: 5 Vdc, 1 A		
	Power Cord	1.27 meter, non-shielded cable, w/o ferrite core		

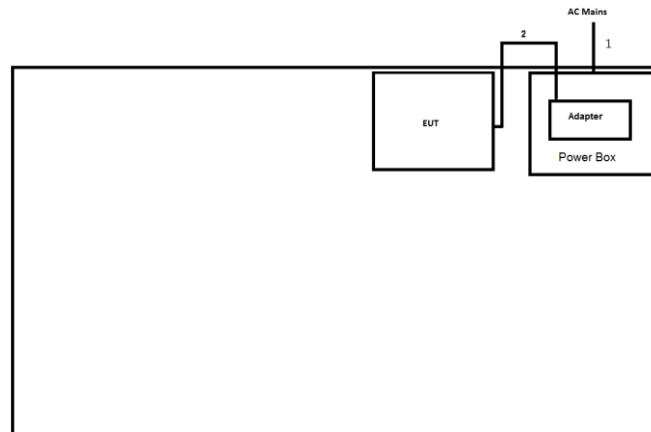
Reminder: Regarding to more detail and other information, please refer to user manual.

2.5 Support Equipment

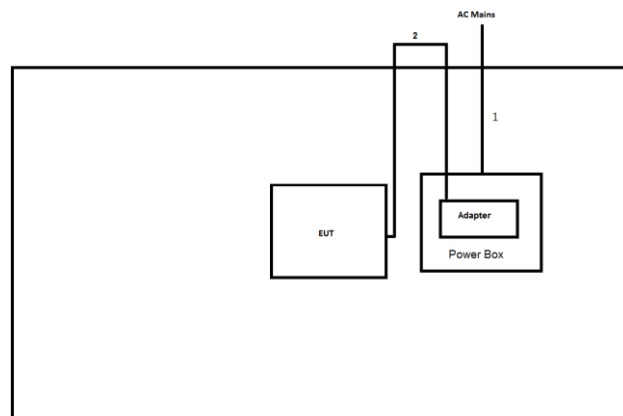
Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-

2.6 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	1.27	-

Test Setup Diagram - Radiated Test


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.27	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

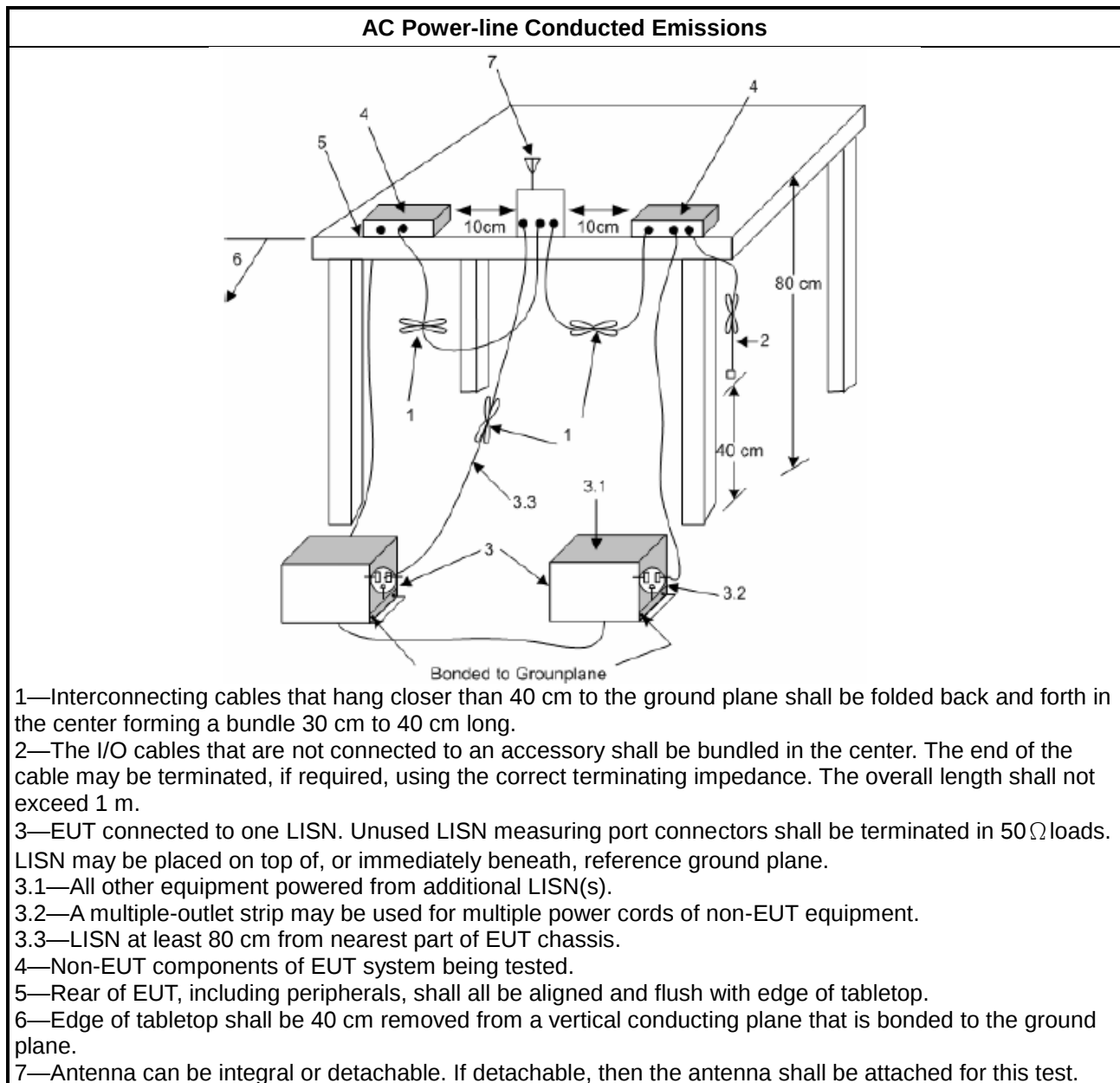
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 UWB bandwidth

3.2.1 UWB bandwidth Limit

UWB bandwidth Limit	
☒	UWB bandwidth ≥ 500 MHz or Fractional bandwidth ≥ 0.2 ; Fractional bandwidth = $2(f_H - f_L) / (f_H + f_L)$

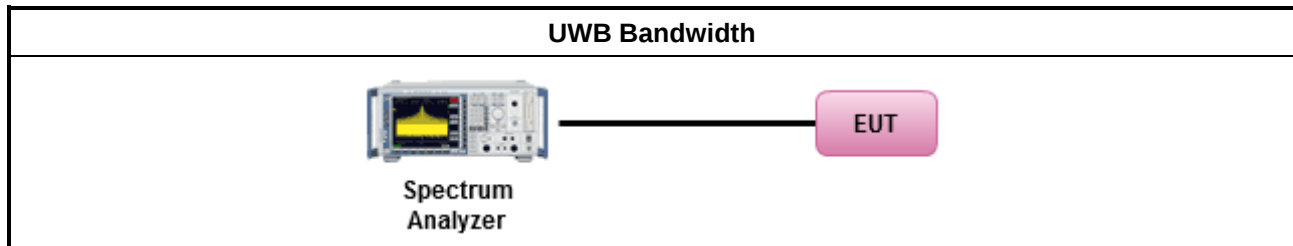
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of UWB Bandwidth

Refer as Appendix B

3.3 Peak Emissions within a 50 MHz Bandwidth

3.3.1 Peak Emissions within a 50 MHz Bandwidth Limit

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

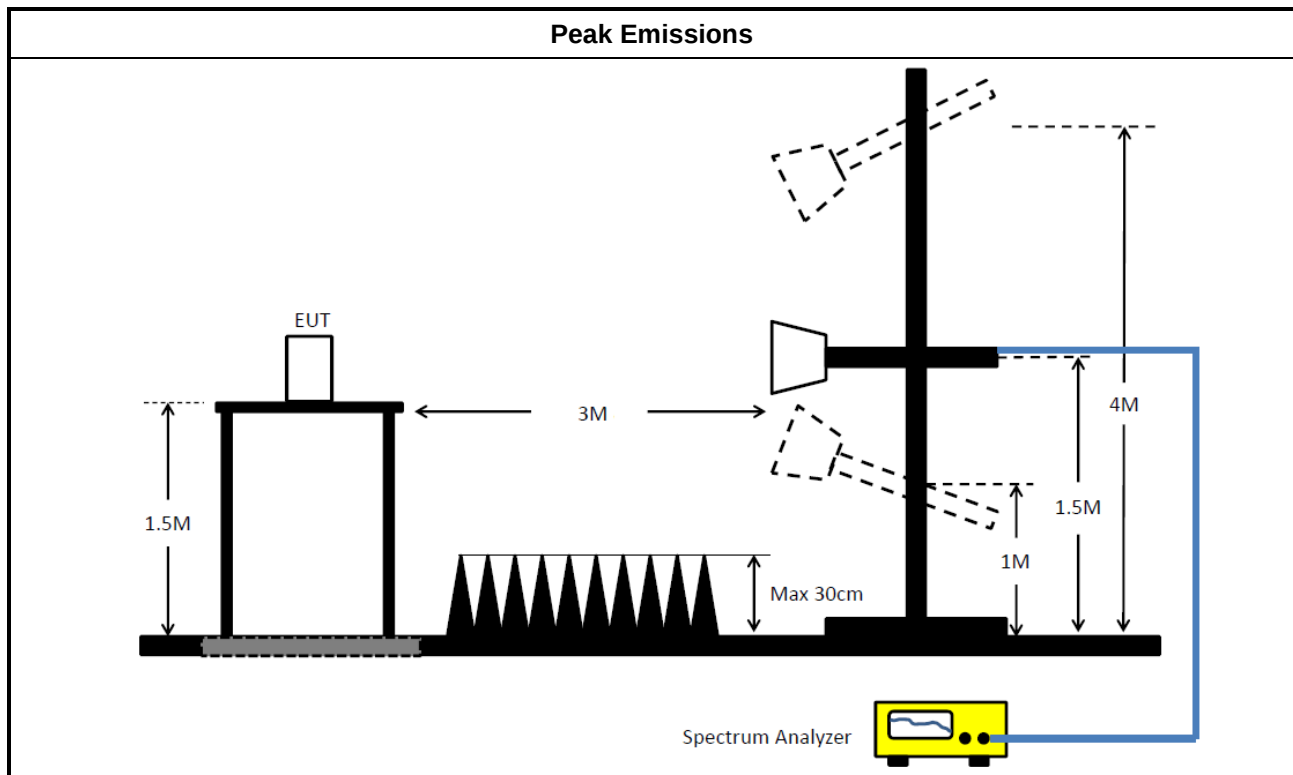
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup



3.3.5 Test Result of Peak Emissions within a 50 MHz Bandwidth

Refer as Appendix C

3.4 Radiated Emissions

3.4.1 Radiated Emissions Limit

Radiated Emissions below 960MHz and Emissions from Digital Circuitry Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
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	-53.3
1990-3100	-51.3
3100-10600	-41.3
Above 10600	-51.3

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

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method for Radiated Emissions above 960MHz	
☒	Radiated Emissions above 960MHz
☒	Refer as ANSI C63.10, clause 10.3.1 for radiated measurement procedure testing.
☒	Refer as ANSI C63.10, clause 10.3.2 for measurement distance is 3m. In some cases, it may be necessary to measure the radiated UWB emissions at a closer distance to obtain enough signal and margin to overcome the measurement system noise floor. Distance extrapolation factor = $20 \log(\text{test distance [X m]}/\text{specific distance [3 m]})$ (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 $\geq$ 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.

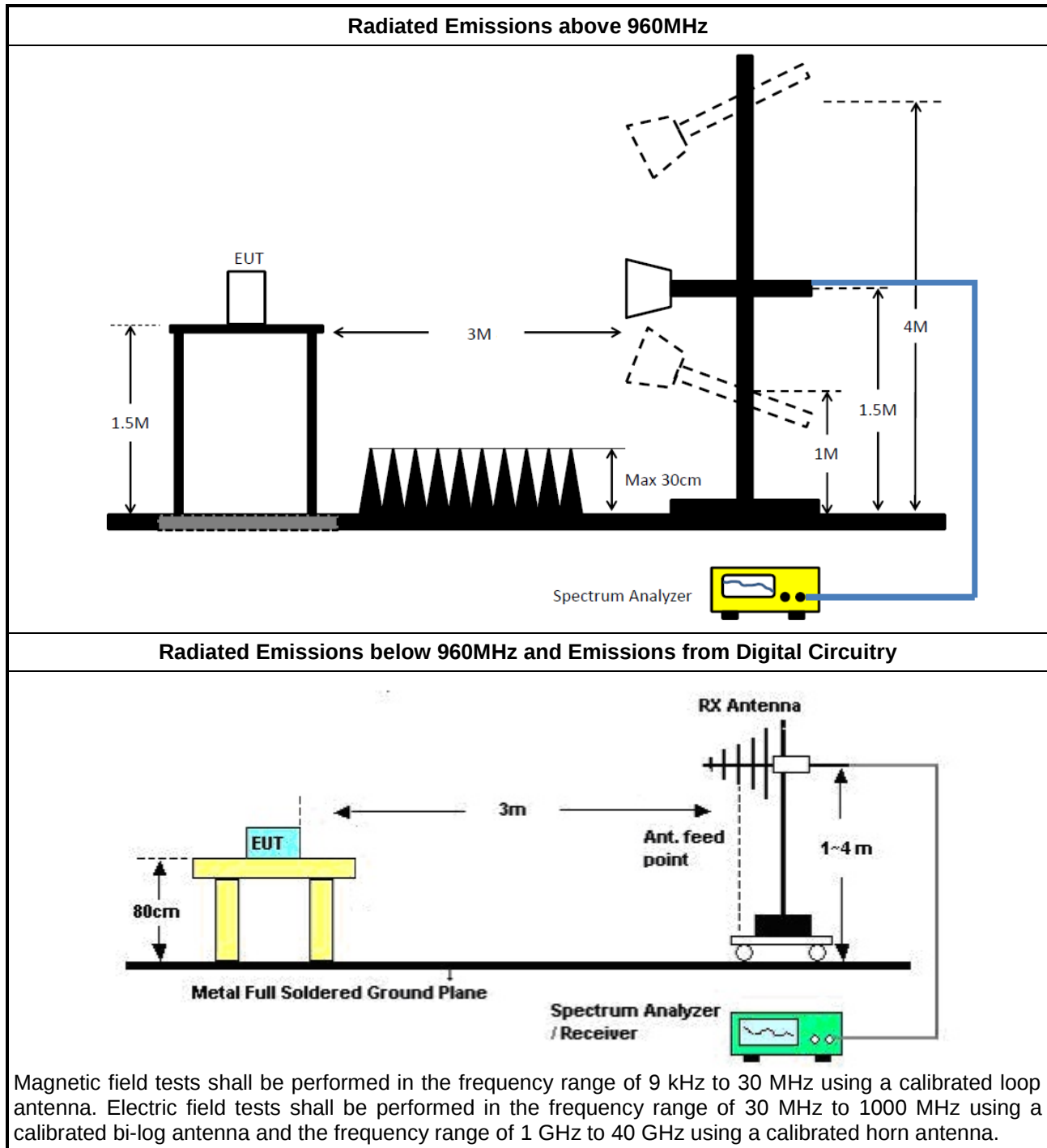
Test Method for Radiated Emissions below 960MHz and Emissions from Digital Circuitry	
☒	Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing 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 $\geq$ 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 $20 \log(\text{dwell time}/100 \text{ ms})$. Average emission = peak emission + $20 \log(\text{duty cycle})$.
☒	Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
☒	For radiated measurement.
☒	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
☒	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
☒	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1 GHz and test distance is 3m.
☒	The any unwanted emissions level shall not exceed the fundamental emission level.

3.4.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.4.5 Test Setup



3.4.6 Radiated Emissions (Below 30MHz)

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

3.4.7 Test Result of Radiated Emissions

Refer as Appendix D

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	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	FSV40	101500	10Hz~40GHz	12/Oct/2021	11/Oct/2022
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 / EMC	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+CB 021-2	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 Prempplier	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	ESR3	102052	9kHz~3.6GHz	13/May/2022	12/May/2023
Microwave Preamplifier	EMC INSTRUMENT	EMC051845BE	980241	1GHz~18GHz	17/May/2021	16/May/2022
Microwave Preamplifier	EMC INSTRUMENT	EMC051845BE	980241	1GHz~18GHz	13/May/2022	12/May/2023
Microwave Preamplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	15/Jul/2021	14/Jul/2022
SENSE-UBW	Sporton	NA	5.10.6D	NA	NA	NA



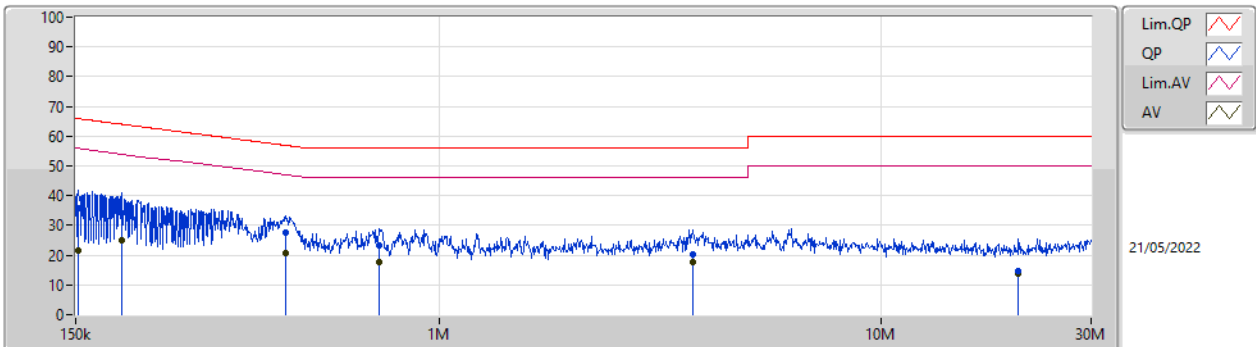
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	449.637k	20.87	46.88	-26.01	Line

Mode Configure

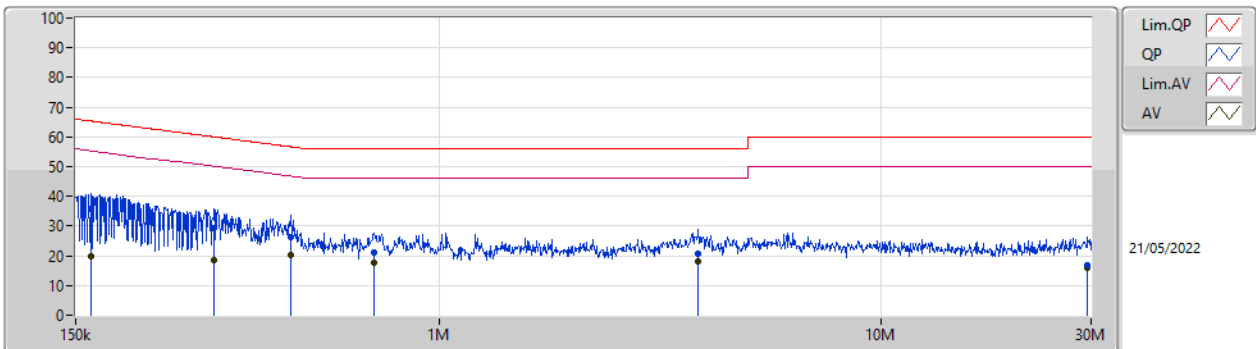
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	152.414k	35.96	65.87	-29.91	Line	-
Mode 1	Pass	AV	152.414k	21.52	55.87	-34.35	Line	-
Mode 1	Pass	QP	190.596k	34.23	64.01	-29.78	Line	-
Mode 1	Pass	AV	190.596k	24.93	54.01	-29.08	Line	-
Mode 1	Pass	QP	449.637k	27.74	56.88	-29.14	Line	-
Mode 1	Pass	AV	449.637k	20.87	46.88	-26.01	Line	-
Mode 1	Pass	QP	731.771k	23.43	56.00	-32.57	Line	-
Mode 1	Pass	AV	731.771k	17.81	46.00	-28.19	Line	-
Mode 1	Pass	QP	3.745M	20.39	56.00	-35.61	Line	-
Mode 1	Pass	AV	3.745M	17.62	46.00	-28.38	Line	-
Mode 1	Pass	QP	20.513M	14.47	60.00	-45.53	Line	-
Mode 1	Pass	AV	20.513M	13.75	50.00	-36.25	Line	-
Mode 1	Pass	QP	162.467k	35.84	65.33	-29.49	Neutral	-
Mode 1	Pass	AV	162.467k	20.00	55.33	-35.33	Neutral	-
Mode 1	Pass	QP	308.954k	29.12	60.00	-30.88	Neutral	-
Mode 1	Pass	AV	308.954k	18.69	50.00	-31.31	Neutral	-
Mode 1	Pass	QP	462.379k	26.45	56.65	-30.20	Neutral	-
Mode 1	Pass	AV	462.379k	20.34	46.65	-26.31	Neutral	-
Mode 1	Pass	QP	711.605k	21.29	56.00	-34.71	Neutral	-
Mode 1	Pass	AV	711.605k	17.46	46.00	-28.54	Neutral	-
Mode 1	Pass	QP	3.867M	20.73	56.00	-35.27	Neutral	-
Mode 1	Pass	AV	3.867M	18.08	46.00	-27.92	Neutral	-
Mode 1	Pass	QP	29.498M	16.65	60.00	-43.35	Neutral	-
Mode 1	Pass	AV	29.498M	15.97	50.00	-34.03	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)				
QP	152.414k	35.96	65.87	-29.91	19.63	Line	-	16.33	9.69	0.03	9.91				
AV	152.414k	21.52	55.87	-34.35	19.63	Line	-	1.89	9.69	0.03	9.91				
QP	190.596k	34.23	64.01	-29.78	19.63	Line	-	14.60	9.69	0.03	9.91				
AV	190.596k	24.93	54.01	-29.08	19.63	Line	-	5.30	9.69	0.03	9.91				
QP	449.637k	27.74	56.88	-29.14	19.63	Line	-	8.11	9.68	0.04	9.91				
AV	449.637k	20.87	46.88	-26.01	19.63	Line	-	1.24	9.68	0.04	9.91				
QP	731.771k	23.43	56.00	-32.57	19.65	Line	-	3.78	9.68	0.05	9.92				
AV	731.771k	17.81	46.00	-28.19	19.65	Line	-	-1.84	9.68	0.05	9.92				
QP	3.745M	20.39	56.00	-35.61	19.76	Line	-	0.63	9.71	0.13	9.92				
AV	3.745M	17.62	46.00	-28.38	19.76	Line	-	-2.14	9.71	0.13	9.92				
QP	20.513M	14.47	60.00	-45.53	19.99	Line	-	-5.52	9.79	0.27	9.93				
AV	20.513M	13.75	50.00	-36.25	19.99	Line	-	-6.24	9.79	0.27	9.93				

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)				
QP	162.467k	35.84	65.33	-29.49	19.67	Neutral	-	16.17	9.73	0.03	9.91				
AV	162.467k	20.00	55.33	-35.33	19.67	Neutral	-	0.33	9.73	0.03	9.91				
QP	308.954k	29.12	60.00	-30.88	19.67	Neutral	-	9.45	9.72	0.04	9.91				
AV	308.954k	18.69	50.00	-31.31	19.67	Neutral	-	-0.98	9.72	0.04	9.91				
QP	462.379k	26.45	56.65	-30.20	19.67	Neutral	-	6.78	9.72	0.04	9.91				
AV	462.379k	20.34	46.65	-26.31	19.67	Neutral	-	0.67	9.72	0.04	9.91				
QP	711.605k	21.29	56.00	-34.71	19.70	Neutral	-	1.59	9.73	0.05	9.92				
AV	711.605k	17.46	46.00	-28.54	19.70	Neutral	-	-2.24	9.73	0.05	9.92				
QP	3.867M	20.73	56.00	-35.27	19.81	Neutral	-	0.92	9.76	0.13	9.92				
AV	3.867M	18.08	46.00	-27.92	19.81	Neutral	-	-1.73	9.76	0.13	9.92				
QP	29.498M	16.65	60.00	-43.35	20.41	Neutral	-	-3.76	10.13	0.34	9.94				
AV	29.498M	15.97	50.00	-34.03	20.41	Neutral	-	-4.44	10.13	0.34	9.94				

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	585.936M	691.046M	691MD1D	500.5M	613.085M

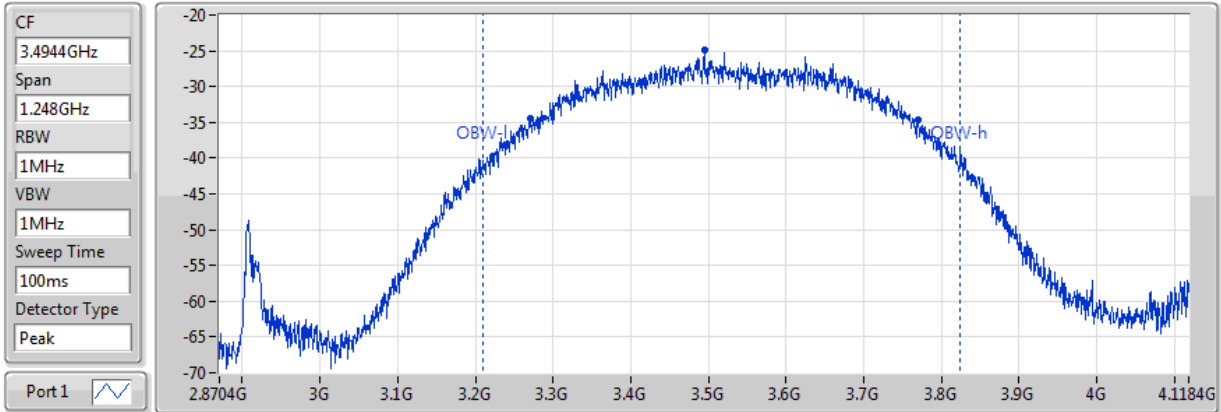
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
Ultra Wide Band_Nss1_1TX	-	-	-	-
3494.4MHz	Pass	500M	500.5M	613.085M
3993.6MHz	Pass	500M	585.936M	691.046M

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

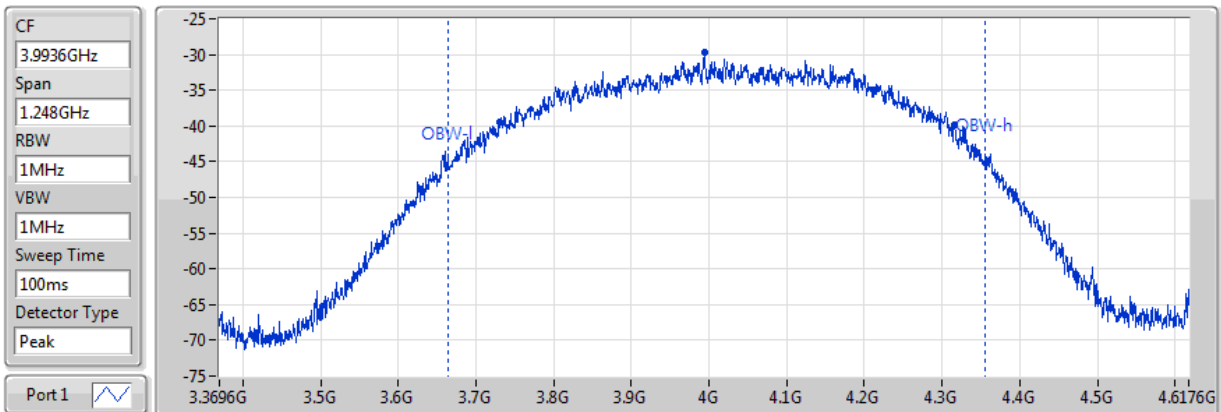
23/05/2022



10dB(Hz)	Fl-10dB(Hz)	Fh-10dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
500.5M	3.270384G	3.769584G	613.085M	3.210622G	3.823707G	500M	1

Ultra Wide Band_Nss1_1TX
OBW
3993.6MHz

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10dB(Hz)	Fl-10dB(Hz)	Fh-10dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
585.936M	3.730272G	4.316208G	691.046M	3.664293G	4.355339G	500M	1



Summary

Mode	EIRP PD (dBm/50MHz)
3.1-10.6GHz	-
Ultra Wide Band_Nss1_1TX	-0.11

**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	60.81	1	60.92	-0.11	0
3993.6MHz	Pass	54.22	1	59.23	-5.01	0

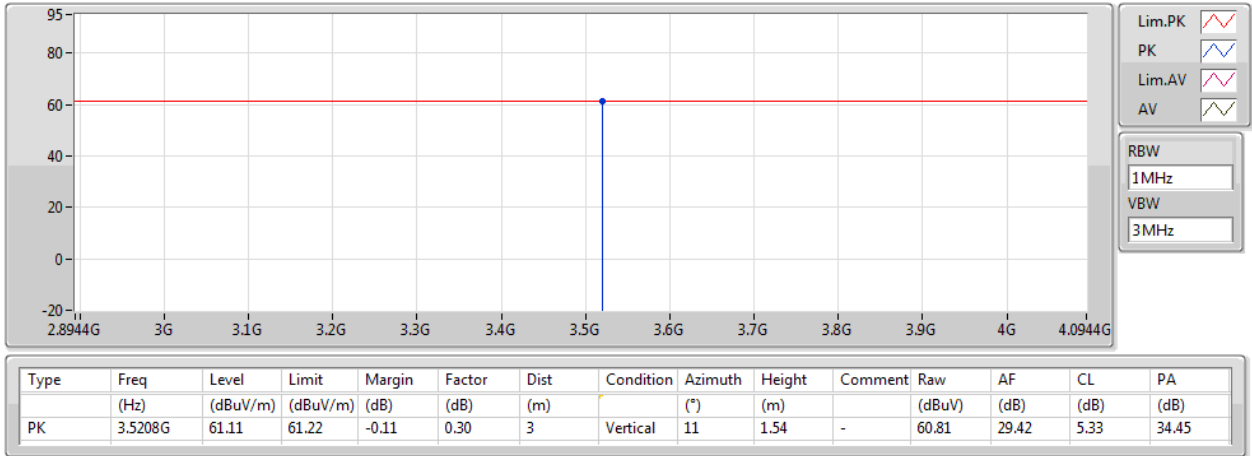
Factor= $20 \cdot \log(\text{RBW}/50\text{MHz}) + 95.2 - (\text{AF} + \text{CL} - \text{PA})$

EIRP PD= RAW - Factor

Ultra Wide Band_Nss1_1TX

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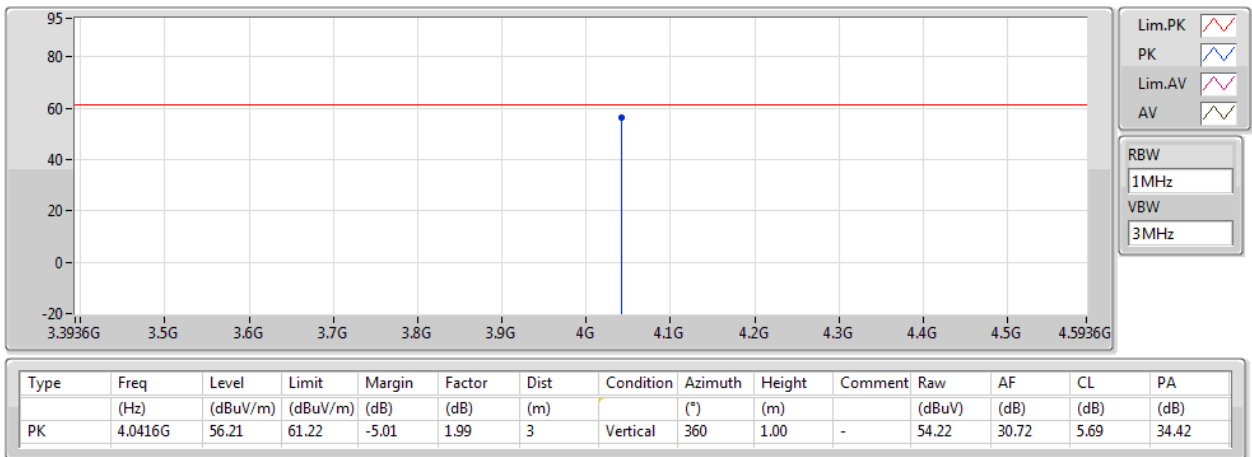
3494.4MHz_TX



Ultra Wide Band_Nss1_1TX

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3993.6MHz_TX





Summary

Mode	EIRP PD (dBm/50MHz)
3.1-10.6GHz	-
Ultra Wide Band_Nss1_1TX	-0.11



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	60.81	1	60.92	-0.11	0
3993.6MHz	Pass	54.22	1	59.23	-5.01	0

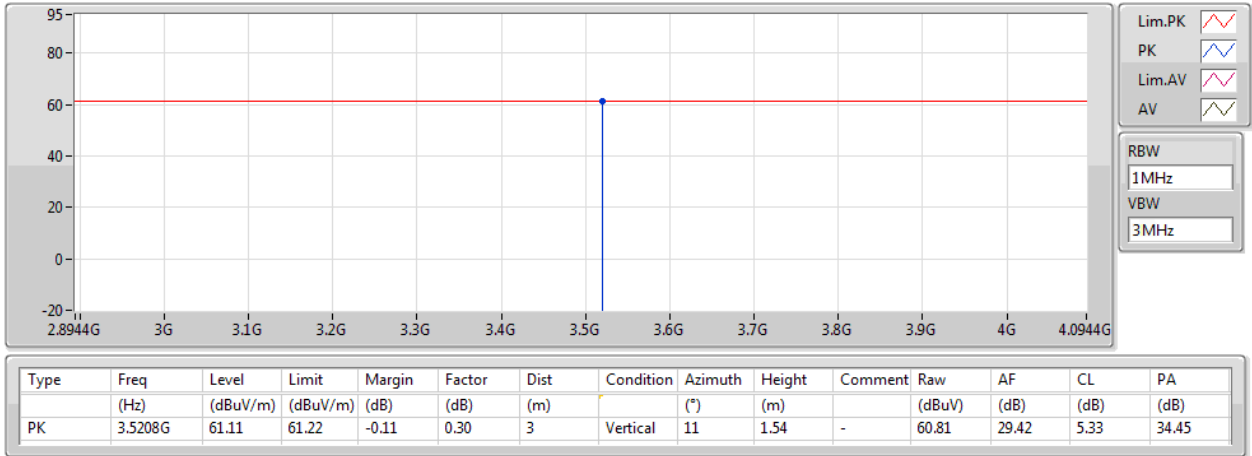
Factor=20*log(RBW/50MHz) + 95.2 - (AF + CL - PA)

EIRP PD= RAW - Factor

Ultra Wide Band_Nss1_1TX

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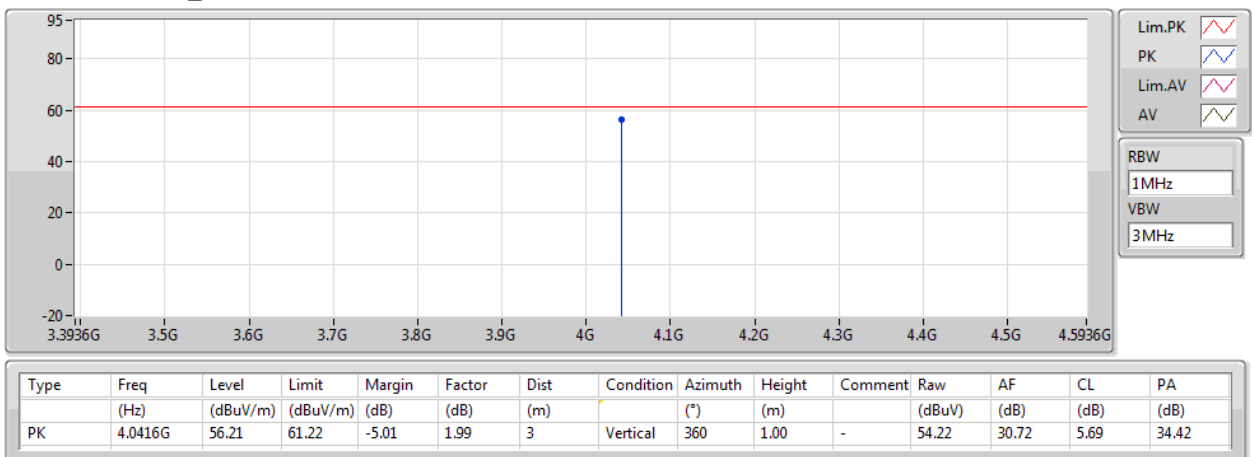
3494.4MHz_TX



Ultra Wide Band_Nss1_1TX

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3993.6MHz_TX





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	QP	175.7M	43.24	43.50	-0.26	3	Horizontal	70	1.57	-

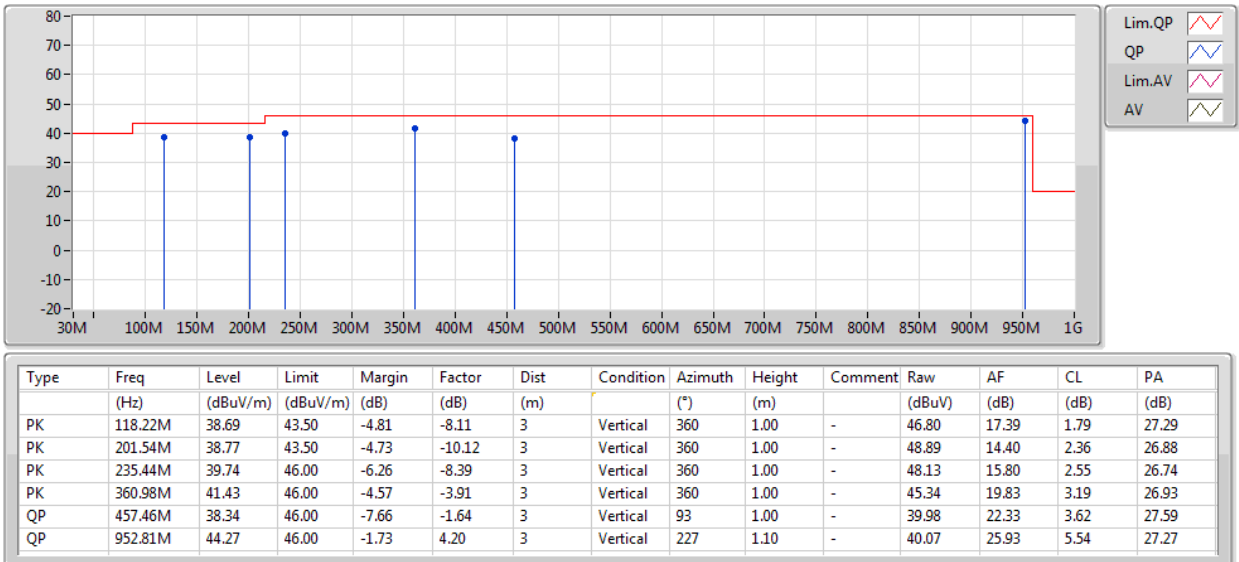
Result

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	118.22M	38.69	43.50	-4.81	3	Vertical	360	1.00	-
3494.4MHz	Pass	PK	201.54M	38.77	43.50	-4.73	3	Vertical	360	1.00	-
3494.4MHz	Pass	PK	235.44M	39.74	46.00	-6.26	3	Vertical	360	1.00	-
3494.4MHz	Pass	PK	360.98M	41.43	46.00	-4.57	3	Vertical	360	1.00	-
3494.4MHz	Pass	QP	457.46M	38.34	46.00	-7.66	3	Vertical	93	1.00	-
3494.4MHz	Pass	QP	952.81M	44.27	46.00	-1.73	3	Vertical	227	1.10	-
3494.4MHz	Pass	QP	161.96M	41.38	43.50	-2.12	3	Horizontal	74	2.01	-
3494.4MHz	Pass	QP	175.7M	43.24	43.50	-0.26	3	Horizontal	70	1.57	-
3494.4MHz	Pass	QP	200.78M	41.89	43.50	-1.61	3	Horizontal	117	1.37	-
3494.4MHz	Pass	QP	364.68M	41.54	46.00	-4.46	3	Horizontal	132	1.01	-
3494.4MHz	Pass	QP	466.5M	42.59	46.00	-3.41	3	Horizontal	325	2.62	-
3494.4MHz	Pass	QP	953.47M	43.62	46.00	-2.38	3	Horizontal	270	1.58	-
3993.6MHz	Pass	PK	117.3M	38.72	43.50	-4.78	3	Vertical	360	1.00	-
3993.6MHz	Pass	PK	200.72M	38.86	43.50	-4.64	3	Vertical	360	1.00	-
3993.6MHz	Pass	PK	235.64M	39.79	46.00	-6.21	3	Vertical	360	1.00	-
3993.6MHz	Pass	PK	361.74M	41.48	46.00	-4.52	3	Vertical	360	1.00	-
3993.6MHz	Pass	QP	457.41M	38.22	40.00	-7.78	3	Vertical	91	1.00	-
3993.6MHz	Pass	QP	953.44M	44.33	46.00	-1.67	3	Vertical	224	1.10	-
3993.6MHz	Pass	QP	161.92M	41.63	43.50	-1.87	3	Horizontal	75	2.07	-
3993.6MHz	Pass	QP	175.5M	43.02	43.50	-0.48	3	Horizontal	73	1.64	-
3993.6MHz	Pass	QP	200.72M	41.73	43.50	-1.77	3	Horizontal	114	1.09	-
3993.6MHz	Pass	QP	363.68M	41.95	46.00	-4.05	3	Horizontal	133	0.99	-
3993.6MHz	Pass	QP	466.5M	42.59	46.00	-3.41	3	Horizontal	323	2.25	-
3993.6MHz	Pass	QP	953.44M	43.60	46.00	-2.40	3	Horizontal	265	1.62	-

Ultra Wide Band_Nss1_1TX

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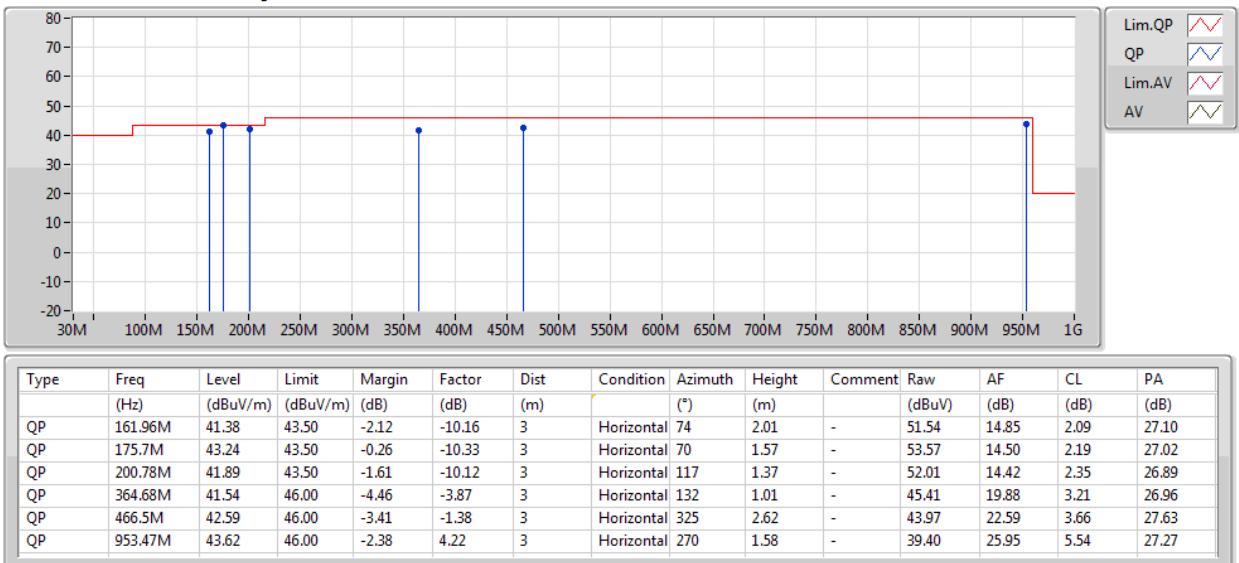
3494.4MHz_Adapter



Ultra Wide Band_Nss1_1TX

15/05/2022

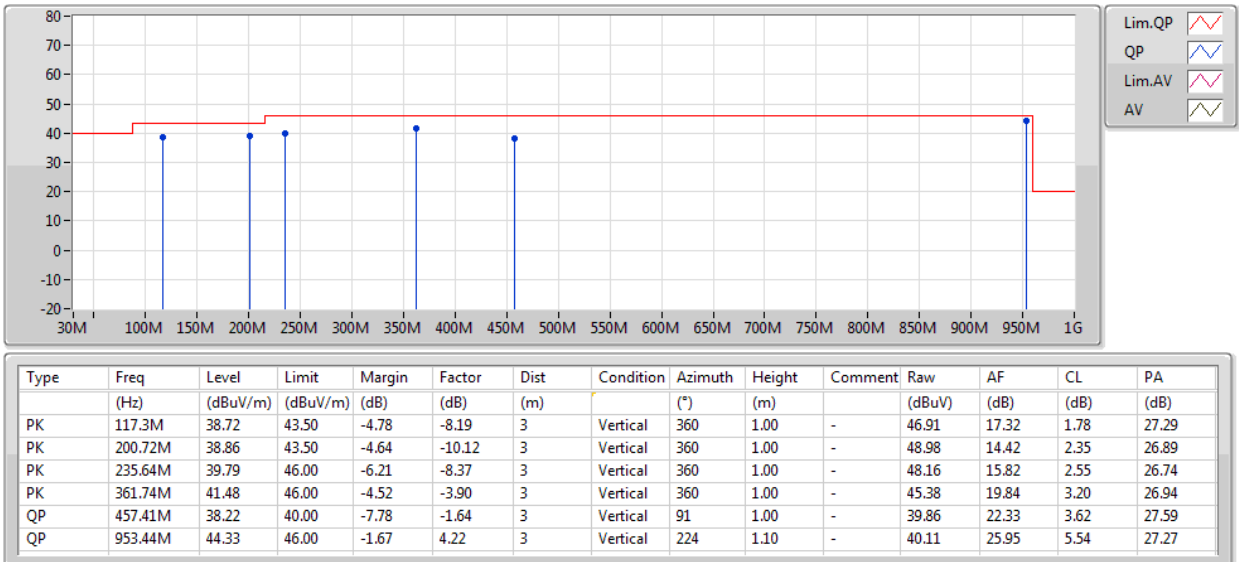
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Ultra Wide Band_Nss1_1TX

15/05/2022

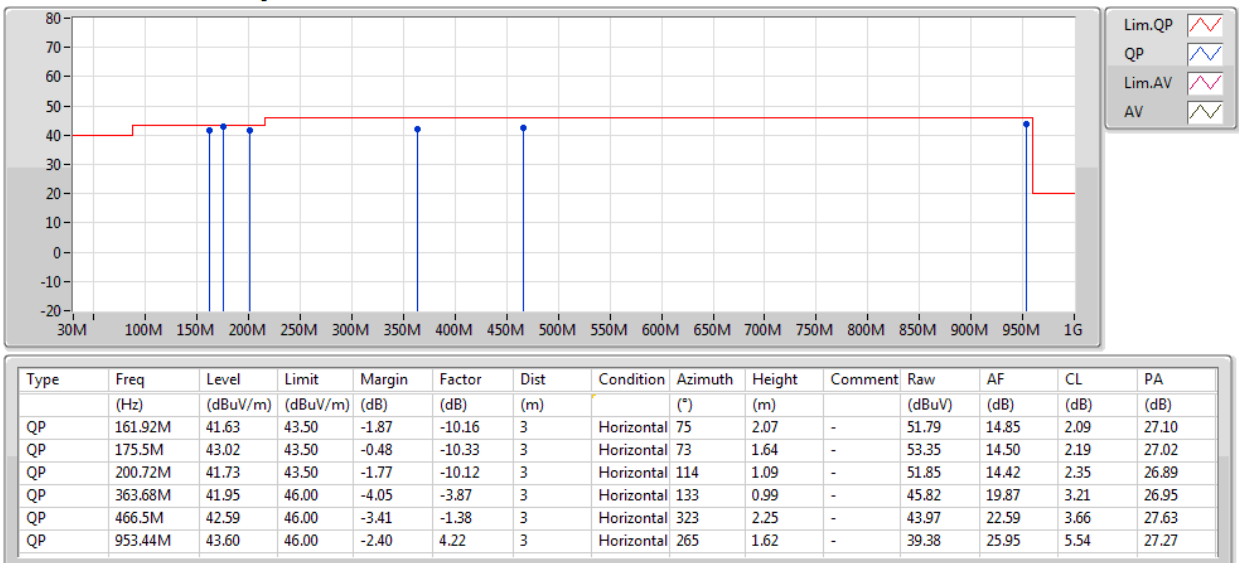
3993.6MHz_Adapter



Ultra Wide Band_Nss1_1TX

15/05/2022

3993.6MHz_Adapter





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	AV	1.209G	13.97	19.90	-5.93	3	Horizontal	0	1.00	-

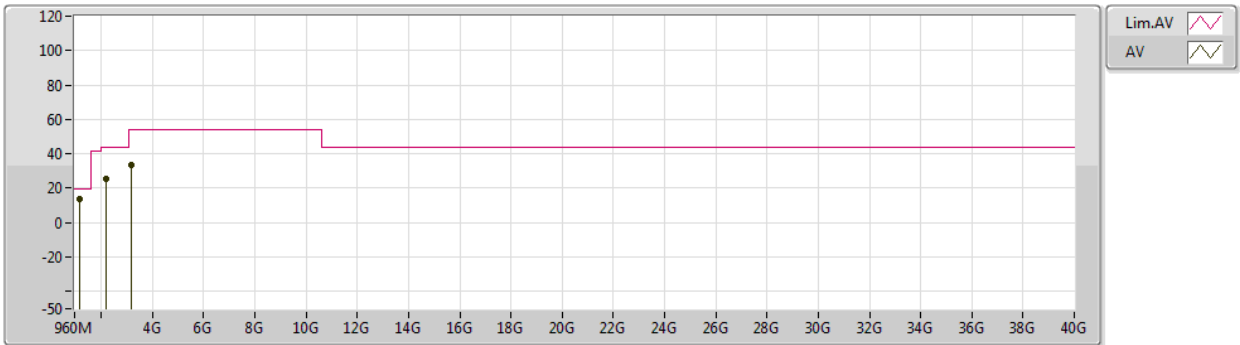
Result

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	AV	1.153G	13.79	19.90	-6.11	3	Vertical	360	1.00	-
3494.4MHz	Pass	AV	3.199G	33.66	53.90	-20.24	3	Vertical	360	1.00	-
3494.4MHz	Pass	AV	2.184G	25.69	43.90	-18.21	3	Vertical	360	1.00	-
3494.4MHz	Pass	AV	1.209G	13.97	19.90	-5.93	3	Horizontal	0	1.00	-
3494.4MHz	Pass	AV	2.597G	26.84	43.90	-17.06	3	Horizontal	0	1.00	-
3494.4MHz	Pass	AV	7.184G	36.09	53.90	-17.81	3	Horizontal	0	1.00	-
3494.4MHz	Pass	AV	1.17677G	-5.93	9.90	-15.83	3	Vertical	0	1.00	-
3494.4MHz	Pass	AV	1.19326G	-5.38	9.90	-15.28	3	Vertical	0	1.00	-
3494.4MHz	Pass	AV	1.21168G	-6.59	9.90	-16.49	3	Vertical	0	1.00	-
3494.4MHz	Pass	AV	1.17366G	-5.07	9.90	-14.97	3	Horizontal	360	1.00	-
3494.4MHz	Pass	AV	1.17418G	-5.28	9.90	-15.18	3	Horizontal	360	1.00	-
3494.4MHz	Pass	AV	1.21258G	-1.88	9.90	-11.78	3	Horizontal	360	1.00	-
3494.4MHz	Pass	AV	1.60887G	-4.17	9.90	-14.07	3	Vertical	360	1.00	-
3494.4MHz	Pass	AV	1.59683G	-3.39	9.90	-13.29	3	Vertical	360	1.00	-
3494.4MHz	Pass	AV	1.57987G	-3.77	9.90	-13.67	3	Vertical	360	1.00	-
3494.4MHz	Pass	AV	1.58032G	-2.69	9.90	-12.59	3	Horizontal	0	1.00	-
3494.4MHz	Pass	AV	1.57891G	-5.07	9.90	-14.97	3	Horizontal	0	1.00	-
3494.4MHz	Pass	AV	1.59927G	-7.61	9.90	-17.51	3	Horizontal	0	1.00	-
3993.6MHz	Pass	AV	1.153G	13.79	19.90	-6.11	3	Vertical	360	1.00	-
3993.6MHz	Pass	AV	3.199G	33.66	53.90	-20.24	3	Vertical	360	1.00	-
3993.6MHz	Pass	AV	2.184G	25.69	43.90	-18.21	3	Vertical	360	1.00	-
3993.6MHz	Pass	AV	1.209G	13.97	19.90	-5.93	3	Horizontal	0	1.00	-
3993.6MHz	Pass	AV	2.597G	26.84	43.90	-17.06	3	Horizontal	0	1.00	-
3993.6MHz	Pass	AV	7.184G	36.09	53.90	-17.81	3	Horizontal	0	1.00	-
3993.6MHz	Pass	AV	1.17677G	-5.93	9.90	-15.83	3	Vertical	0	1.00	-
3993.6MHz	Pass	AV	1.19326G	-5.38	9.90	-15.28	3	Vertical	0	1.00	-
3993.6MHz	Pass	AV	1.21168G	-6.59	9.90	-16.49	3	Vertical	0	1.00	-
3993.6MHz	Pass	AV	1.17366G	-5.07	9.90	-14.97	3	Horizontal	360	1.00	-
3993.6MHz	Pass	AV	1.17418G	-5.28	9.90	-15.18	3	Horizontal	360	1.00	-
3993.6MHz	Pass	AV	1.21258G	-1.88	9.90	-11.78	3	Horizontal	360	1.00	-
3993.6MHz	Pass	AV	1.60887G	-4.17	9.90	-14.07	3	Vertical	360	1.00	-
3993.6MHz	Pass	AV	1.59683G	-3.39	9.90	-13.29	3	Vertical	360	1.00	-
3993.6MHz	Pass	AV	1.57987G	-3.77	9.90	-13.67	3	Vertical	360	1.00	-
3993.6MHz	Pass	AV	1.58032G	-2.69	9.90	-12.59	3	Horizontal	0	1.00	-
3993.6MHz	Pass	AV	1.57891G	-5.07	9.90	-14.97	3	Horizontal	0	1.00	-
3993.6MHz	Pass	AV	1.59927G	-7.61	9.90	-17.51	3	Horizontal	0	1.00	-

Ultra Wide Band_Nss1_1TX

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3494.4MHz_TX

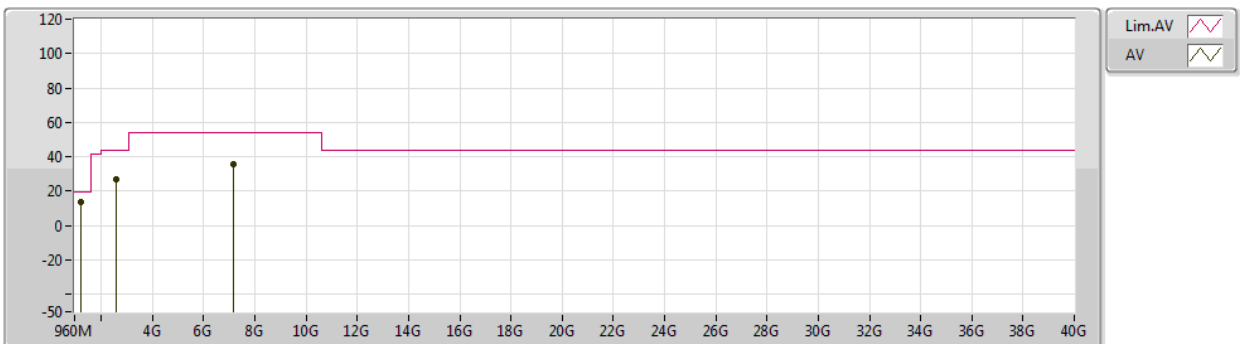


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.153G	13.79	19.90	-6.11	-30.32	3	Vertical	360	1.00	-	44.11	26.20	2.99	49.97
AV	3.199G	33.66	53.90	-20.24	-24.74	3	Vertical	360	1.00	-	58.40	29.80	5.07	50.07
AV	2.184G	25.69	43.90	-18.21	-28.07	3	Vertical	360	1.00	-	53.76	27.53	4.15	50.21

Ultra Wide Band_Nss1_1TX

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3494.4MHz_TX

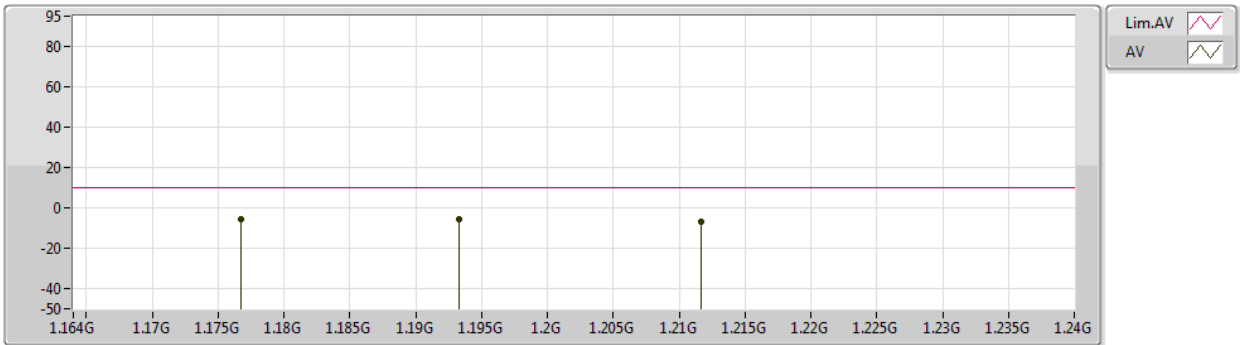


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.209G	13.97	19.90	-5.93	-30.30	3	Horizontal	0	1.00	-	44.27	26.16	3.06	49.98
AV	2.597G	26.84	43.90	-17.06	-26.79	3	Horizontal	0	1.00	-	53.63	28.19	4.67	50.11
AV	7.184G	36.09	53.90	-17.81	-16.42	3	Horizontal	0	1.00	-	52.51	36.83	8.17	51.88

Ultra Wide Band_Nss1_1TX

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3494.4MHz_TX

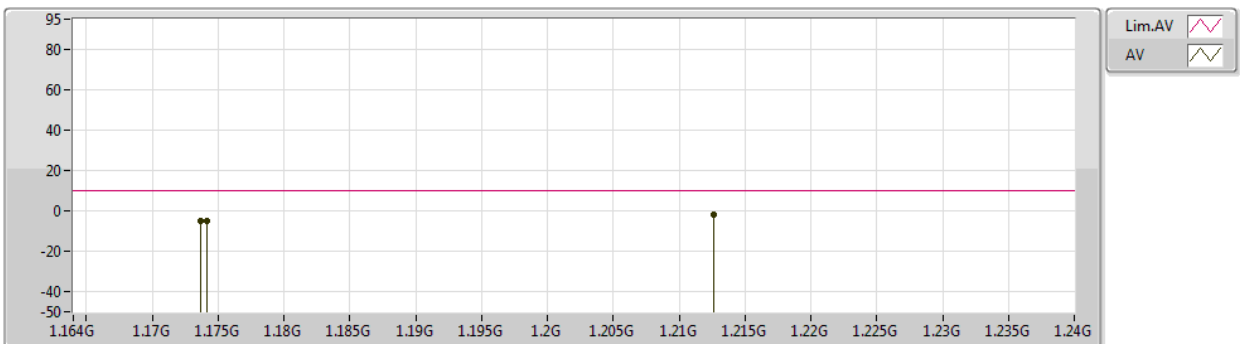


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.17677G	-5.93	9.90	-15.83	-30.29	3	Vertical	0	1.00	-	24.36	26.20	3.02	49.97
AV	1.19326G	-5.38	9.90	-15.28	-30.28	3	Vertical	0	1.00	-	24.90	26.20	3.04	49.98
AV	1.21168G	-6.59	9.90	-16.49	-30.30	3	Vertical	0	1.00	-	23.71	26.15	3.07	49.98

Ultra Wide Band_Nss1_1TX

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3494.4MHz_TX

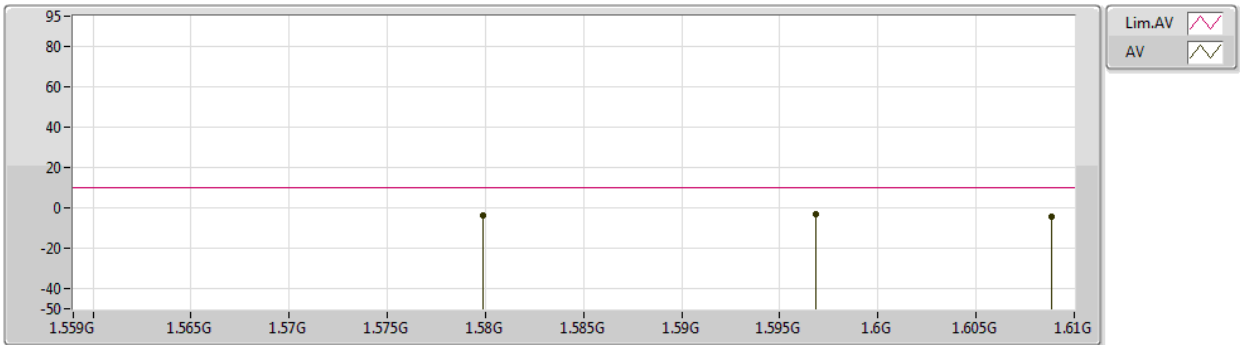


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.17366G	-5.07	9.90	-14.97	-30.30	3	Horizontal	360	1.00	-	25.23	26.20	3.01	49.97
AV	1.17418G	-5.28	9.90	-15.18	-30.29	3	Horizontal	360	1.00	-	25.01	26.20	3.02	49.97
AV	1.21258G	-1.88	9.90	-11.78	-30.30	3	Horizontal	360	1.00	-	28.42	26.15	3.07	49.98

Ultra Wide Band_Nss1_1TX

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3494.4MHz_TX

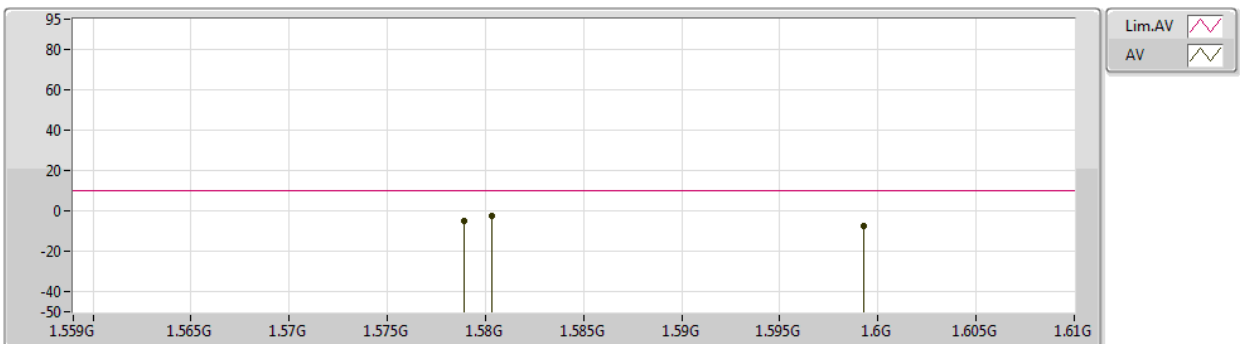


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.60887G	-4.17	9.90	-14.07	-30.86	3	Vertical	360	1.00	-	26.69	25.24	3.53	50.09
AV	1.59683G	-3.39	9.90	-13.29	-30.90	3	Vertical	360	1.00	-	27.51	25.21	3.52	50.09
AV	1.57987G	-3.77	9.90	-13.67	-30.88	3	Vertical	360	1.00	-	27.11	25.24	3.50	50.08

Ultra Wide Band_Nss1_1TX

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3494.4MHz_TX

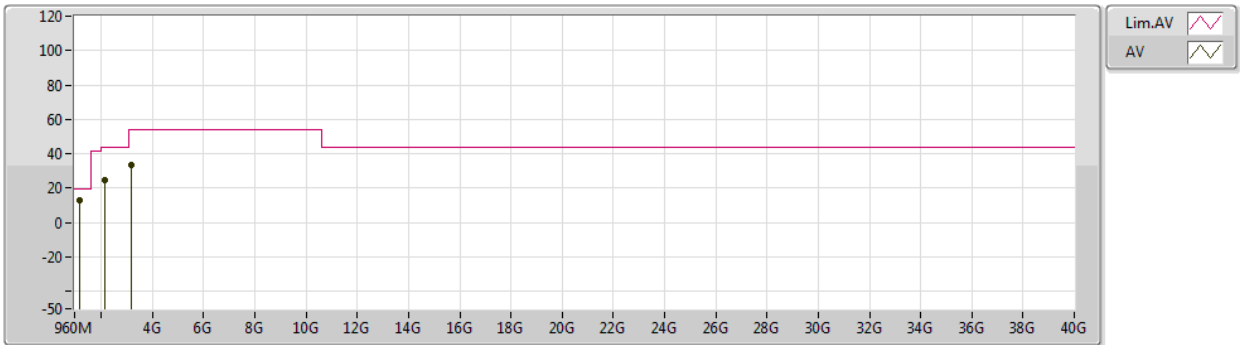


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.58032G	-2.69	9.90	-12.59	-30.88	3	Horizontal	0	1.00	-	28.19	25.24	3.50	50.08
AV	1.57891G	-5.07	9.90	-14.97	-30.88	3	Horizontal	0	1.00	-	25.81	25.24	3.50	50.08
AV	1.59927G	-7.61	9.90	-17.51	-30.91	3	Horizontal	0	1.00	-	23.30	25.20	3.52	50.09

Ultra Wide Band_Nss1_1TX

05/05/2022

3993.6MHz_TX

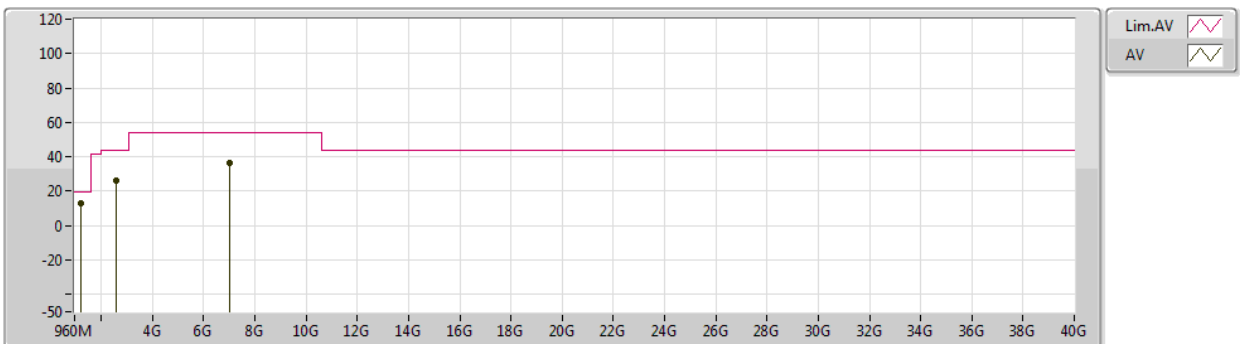


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.17G	13.08	19.90	-6.82	-32.17	3	Vertical	360	1.00	-	45.25	26.20	3.01	51.84
AV	3.176G	33.73	53.90	-20.17	-26.50	3	Vertical	360	1.00	-	60.23	29.75	5.06	51.77
AV	2.156G	25.00	43.90	-18.90	-29.82	3	Vertical	360	1.00	-	54.82	27.59	4.13	52.00

Ultra Wide Band_Nss1_1TX

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3993.6MHz_TX

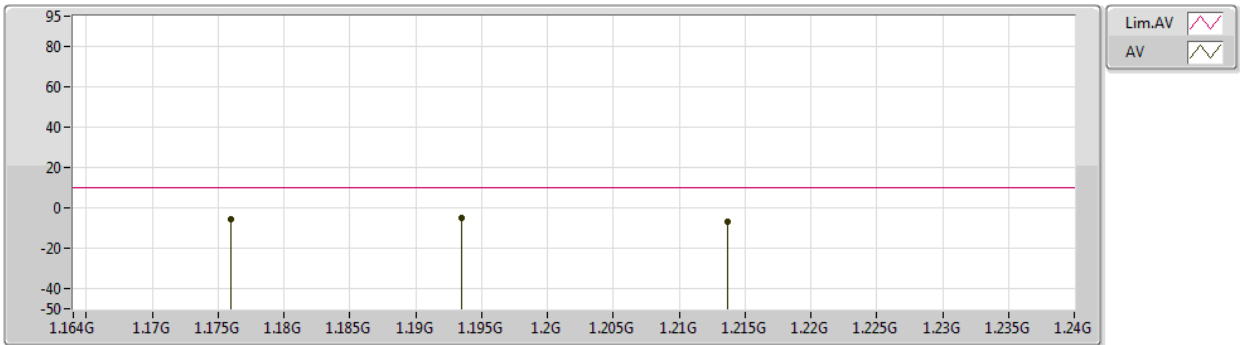


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.214G	13.03	19.90	-6.87	-32.18	3	Horizontal	0	1.00	-	45.21	26.14	3.07	51.85
AV	2.564G	26.09	43.90	-17.81	-28.65	3	Horizontal	0	1.00	-	54.74	28.06	4.62	51.79
AV	7.018G	36.33	53.90	-17.57	-19.17	3	Horizontal	0	1.00	-	55.50	36.11	8.02	53.76

Ultra Wide Band_Nss1_1TX

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3993.6MHz_TX

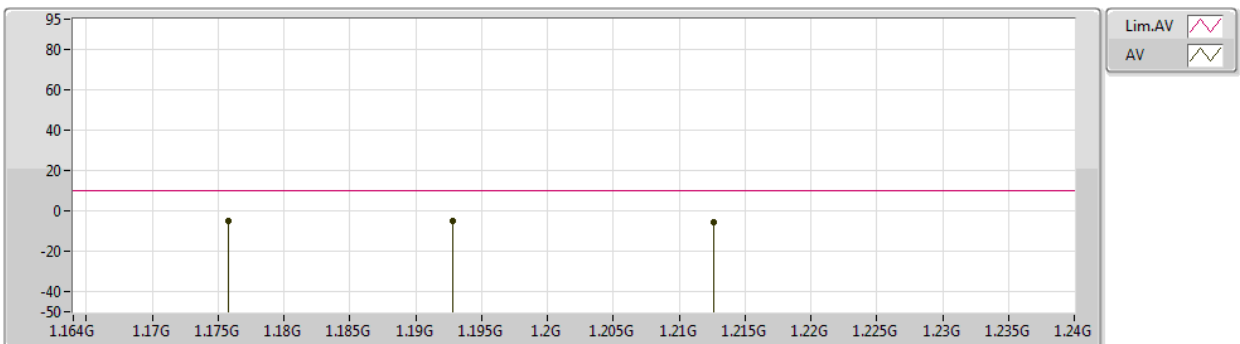


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.17601G	-5.63	9.90	-15.53	-32.17	3	Vertical	0	1.00	-	26.54	26.20	3.02	51.85
AV	1.19348G	-5.06	9.90	-14.96	-32.15	3	Vertical	0	1.00	-	27.09	26.20	3.04	51.85
AV	1.21369G	-6.82	9.90	-16.72	-32.17	3	Vertical	0	1.00	-	25.35	26.15	3.07	51.85

Ultra Wide Band_Nss1_1TX

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3993.6MHz_TX

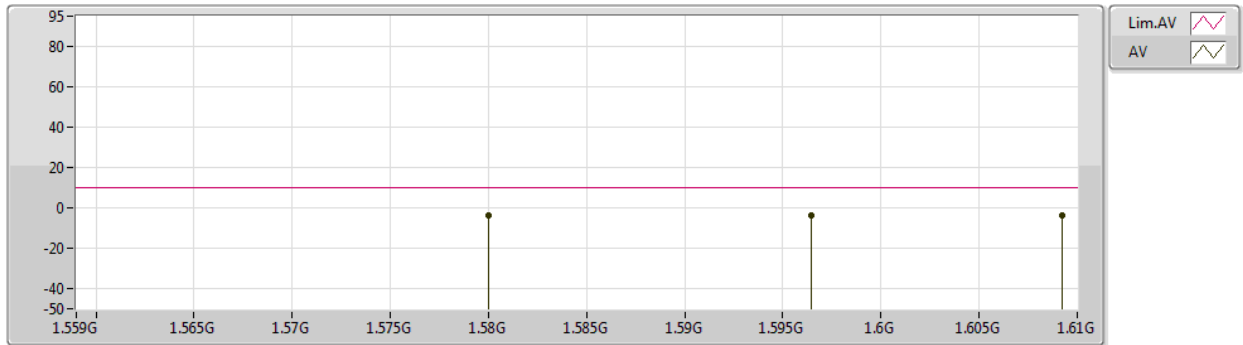


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.17576G	-5.01	9.90	-14.91	-32.17	3	Horizontal	360	1.00	-	27.16	26.20	3.02	51.85
AV	1.1928G	-5.13	9.90	-15.03	-32.15	3	Horizontal	360	1.00	-	27.02	26.20	3.04	51.85
AV	1.21263G	-5.43	9.90	-15.33	-32.17	3	Horizontal	360	1.00	-	26.74	26.15	3.07	51.85

Ultra Wide Band_Nss1_1TX

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3993.6MHz_TX

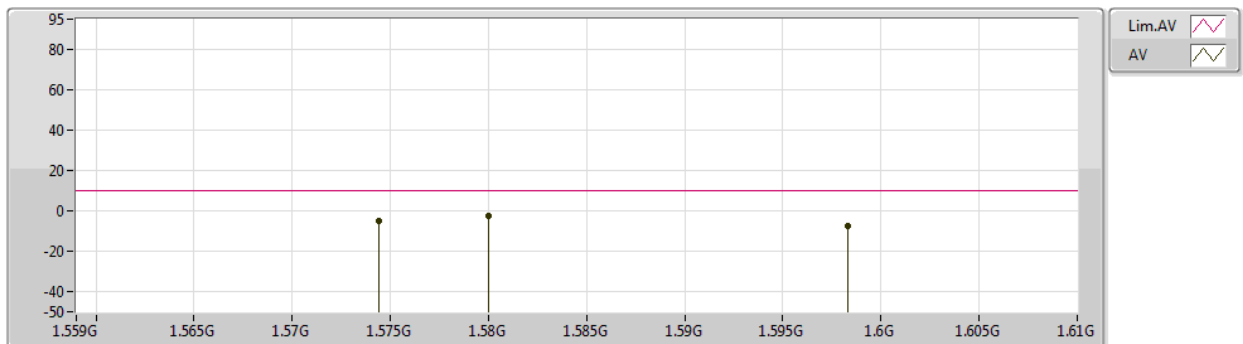


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.60925G	-4.06	9.90	-13.96	-32.72	3	Vertical	360	1.00	-	28.66	25.24	3.53	51.95
AV	1.59643G	-3.51	9.90	-13.41	-32.75	3	Vertical	360	1.00	-	29.24	25.21	3.52	51.94
AV	1.57999G	-3.81	9.90	-13.71	-32.74	3	Vertical	360	1.00	-	28.93	25.24	3.50	51.94

Ultra Wide Band_Nss1_1TX

05/05/2022

3993.6MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.57999G	-2.77	9.90	-12.67	-32.74	3	Horizontal	0	1.00	-	29.97	25.24	3.50	51.94
AV	1.57442G	-5.09	9.90	-14.99	-32.73	3	Horizontal	0	1.00	-	27.64	25.25	3.50	51.94
AV	1.59834G	-7.70	9.90	-17.60	-32.76	3	Horizontal	0	1.00	-	25.06	25.20	3.52	51.94