

FCC TEST REPORT

FCC ID : HV4DTU1141BA
Equipment : LCD Tablet
Brand Name : Wacom
Model Name : DTU-1141B , DTU1141BK1 , DTU1141B
Applicant : Wacom Co., Ltd.
2-510-1, Toyonodai, Kazo-shi, Saitama 349-1148 Japan
Manufacturer : Wacom Co., Ltd.
2-510-1 Toyonodai Kazo-shi, Saitama 349-1148 Japan
Standard : 47 CFR FCC Part 15.209

The product was received on Aug. 04, 2022, and testing was started from Aug. 16, 2022 and completed on Aug. 18, 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

Report No.	Version	Description	Issued Date
FR711609-11AP	01	Initial issue of report	Oct. 18, 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	15.209	Transmitter Radiated Emissions	PASS	-
3.3	15.215(c)	Emission Bandwidth	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: Barry Hsiao

Report Producer: Jenny Yang

1 General Description

1.1 Information

1.1.1 RF General Information

RF General Information			
Modulation	Ch. Frequency(kHz)	Channel Number	Field Strength (dBuV)
ASK	531.25, 562.5, 593.75	1	70.81
Note 1: Field strength performed peak level at 1m.			

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	N/A	N/A	Array Coil Pointing	N/A

Note 1: The EUT has one antenna.

1.1.3 Type of EUT

Operational Condition	
EUT Power Type	From Host system / Battery
Type of EUT	
<input checked="" type="checkbox"/>	Stand-alone
<input type="checkbox"/>	Combined (EUT where the radio part is fully integrated within another device) Combined Equipment - Brand Name / Model No.: ...
<input type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems) Host System - Brand Name / Model No.: ...
<input type="checkbox"/>	Other:

1.1.4 Test Signal Duty Cycle

Operated Mode for Worst Duty Cycle	
<input checked="" type="checkbox"/>	Operated normal mode for worst duty cycle
<input type="checkbox"/>	Operated test mode for worst duty cycle
Test Signal Duty Cycle (x)	
<input checked="" type="checkbox"/>	100.00%

1.1.5 Table for Multiple Listing

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

Model Name	Description
DTU-1141B	All the models are identical, the difference model served as marketing strategy.
DTU1141BK1	
DTU1141B	

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 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
<input checked="" type="checkbox"/> 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	Wayne Chiu	21.6~22.0°C / 53~56%	18/Aug/2022
RF Conducted	TH01-HY	Johnny Yu	22.1~25.6°C / 51~57%	16/Aug/2022
Radiated	03CH03-HY	Edward Wang	22.4~23.5°C / 50~56%	16/Aug/2022
<input type="checkbox"/> Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
Transmitter Radiated Emissions	4.8 dB	Confidence levels of 95%
Bandwidth	0.005 MHz	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




Condition Item	Abbreviation/Remark	Remark
Tnom Vnom	Tnom	20°C
-	Vnom	120V

2.2 The Worst Case Configuration

Mode	Test Channel Frequencies(kHz)	Field Strength (dBuV/m@1m)	Field Strength (dBuV/m@3m)
Touch Pen	562.5	70.81	51.73

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	USB mode

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emission Bandwidth, Field Strength of Fundamental Emissions Transmitter Radiated Unwanted Emissions		
Test Condition	Radiated measurement		
User Position	<input type="checkbox"/> EUT will be placed in fixed position.		
	<input type="checkbox"/> EUT will be placed in mobile position and operating multiple positions. EUT shall be performed three orthogonal planes.		
	<input checked="" type="checkbox"/> EUT will be a hand-held or body-worn battery-powered devices and operating multiple positions.		
Operating Mode	CTX		
1	USB mode		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT	V		

2.4 Accessory

Accessories Information				
USB Cable (Y-Type)	Brand Name	Wacom	Model Name	STJ-A366
	Signal Line	3 meter, shielded cable, w/o ferrite core		
Digital Pen	Brand Name	Wacom	Model Name	UP-7724 series
LCD Panel	Brand Name	AUO	Model Name	G101HAN01

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

2.5 Support Equipment

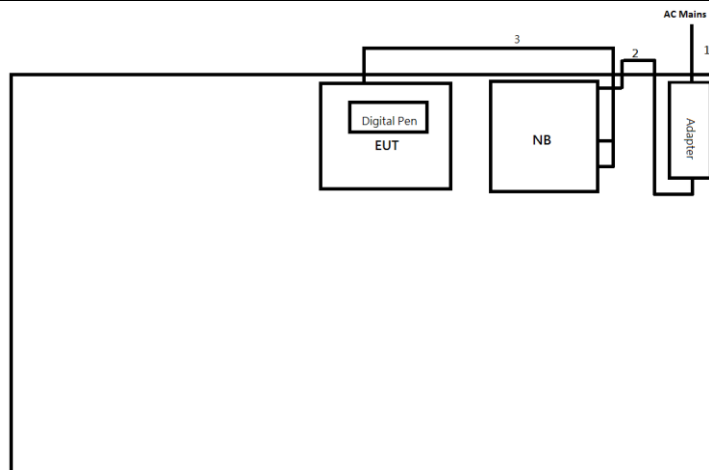
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	HP	5220M	-	-
2	AC Adapter	HP	PPP012L-E-1	-	-

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	Notebook	HP	5220M	-	-
2	AC Adapter	HP	PPP012L-E-1	-	-

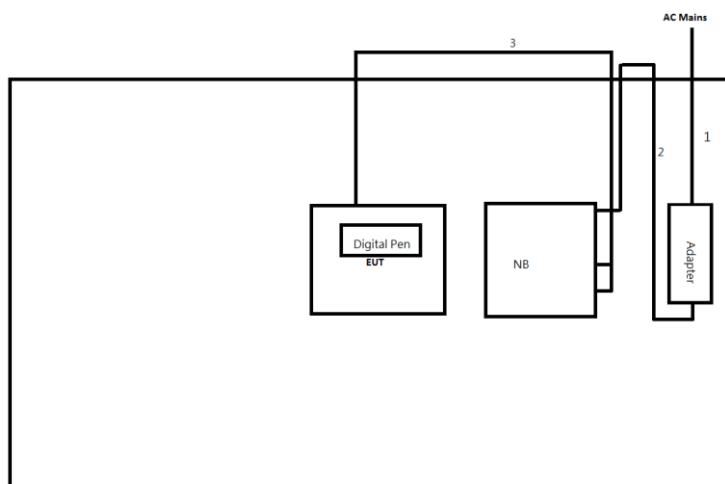
2.6 Test Setup Diagram

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	1.5	-
3	USB Cable (Y-Type)	Yes	3.0	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-
3	USB Cable (Y-Type)	Yes	3.0	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method	
<input checked="" type="checkbox"/>	Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.
<input checked="" type="checkbox"/>	If AC conducted emissions fall in operating band, then following below test method confirm final result.
<input type="checkbox"/>	Accept measurements done with a suitable dummy load replacing the antenna under the following conditions: (1) Perform the AC line conducted tests with the antenna connected to determine compliance with FCC 15.207 limits outside the transmitter's fundamental emission band; (2) Retest with a dummy load to determine compliance with FCC 15.207 limits within the transmitter's fundamental emission band.
<input checked="" type="checkbox"/>	For a device with a permanent antenna operating at or below 30 MHz, accept measurements done with a suitable dummy load, in lieu of the permanent antenna under the following conditions: (1) Perform the AC line conducted tests with the permanent antenna to determine compliance with the FCC 15.207 limits outside the transmitter's fundamental emission band; (2) Retest with a dummy load in lieu of the permanent antenna to determine compliance with the FCC 15.207 limits within the transmitter's fundamental emission band.

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).

3.2 Transmitter Radiated Emissions

3.2.1 Transmitter Radiated Emissions Limit

Transmitter Radiated Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: the frequency bands 9-90 kHz, 110-490 kHz measurements employing an average detector and other below 1GHz measurements employing a CISPR quasi-peak detector.

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

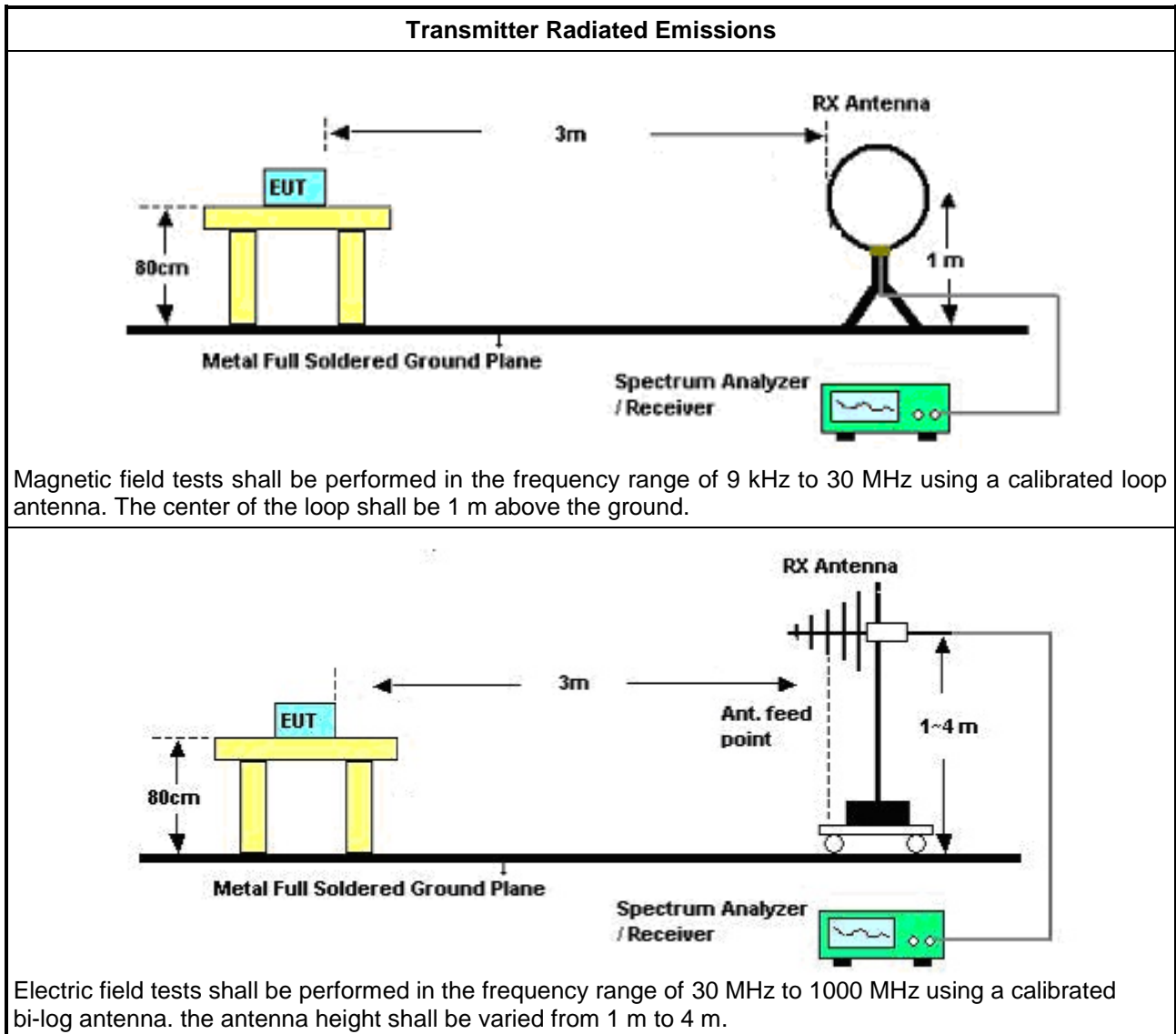
Test Method	
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 6.5 for radiated emissions from 30 MHz to 1 GHz and test distance is 3m.
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 6.4 for radiated emissions from below 30 MHz. The frequency bands 9-90 kHz, 110-490 kHz measurements employing an average detector and other below 30MHz measurements employing a CISPR quasi-peak detector. Test distance is 3m.
<input checked="" type="checkbox"/>	At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the requirements; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be following below methods. Note: If fundamental emission level is smaller than noise at 3m , we will change distance to 1m.
<input type="checkbox"/>	The results shall be extrapolated to the specified distance by making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor.
<input checked="" type="checkbox"/>	The results shall be by using the square of an inverse linear distance extrapolation factor (40 dB/decade).
<input checked="" type="checkbox"/>	For radiated measurement. Loop antenna was rotated about the horizontal and vertical axis and the equipment to be measured and the test antenna shall be oriented to obtain the maximum emitted field strength level.
<input checked="" type="checkbox"/>	The any unwanted emissions level shall not exceed the fundamental emission level.
<input checked="" type="checkbox"/>	All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
<input checked="" type="checkbox"/>	KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
<input type="checkbox"/>	<ul style="list-style-type: none"> Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
<input type="checkbox"/>	<ul style="list-style-type: none"> Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

3.2.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.2.5 Test Setup



3.2.6 Test Result of Transmitter Radiated Emissions (Below 30MHz)

Refer as Appendix B

3.3 Emission Bandwidth

3.3.1 Emission Bandwidth Limit

Emission Bandwidth Limit
N/A

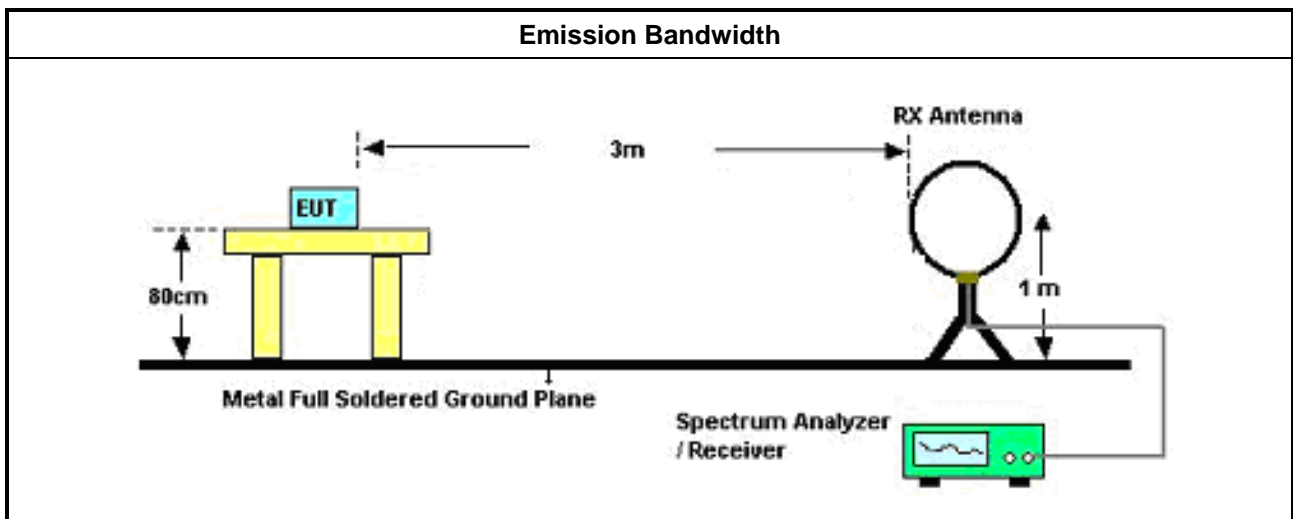
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> Because the measured signal is CW or CW-like adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW.
<input checked="" type="checkbox"/> For radiated measurement. Loop antenna was rotated about the horizontal and vertical axis and the equipment to be measured and the test antenna shall be oriented to obtain the maximum emitted field strength level.

3.3.4 Test Setup



3.3.5 Test Result of Emission Bandwidth

Refer as Appendix C

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer / Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	13/May/2022	12/May/2023
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	V5.10.8.2	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer / Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	01/Apr/2022	31/Mar/2023
SENSE-NFC	Sporton	V5.11.0	N/A	N/A	N/A	N/A

Instrument for Radiated Test

Instrument	Manufacturer / Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	01/Aug/2022	31/Jul/2023
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
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	13/Jun/2022	12/Jun/2023
RF Cable-R03m	Jye Bao	RG142	MY37335/4+CB0 21-1+CB021-2	30MHz~1GHz	22/Mar/2022	21/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
SENSE-NFC	Sporton	V5.11.0	NA	NFC	NA	NA



Conducted Emissions at Powerline

Appendix A

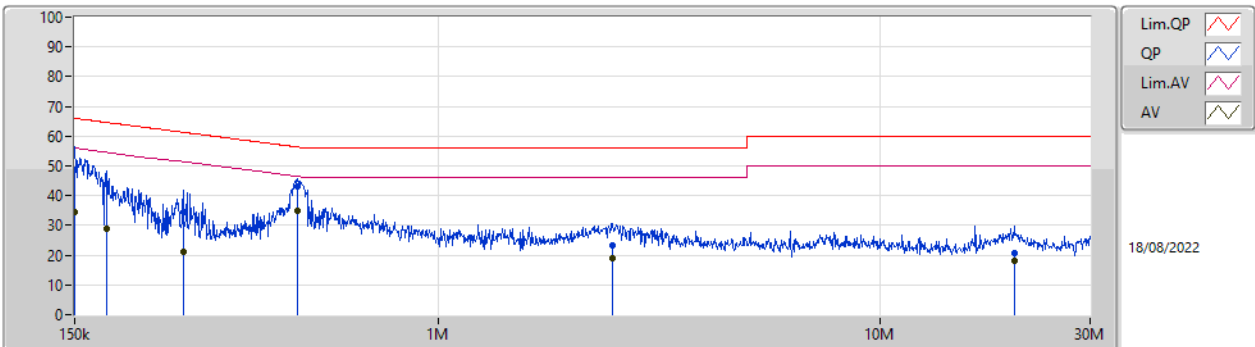
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	481.211k	34.83	46.33	-11.50	Line

Result

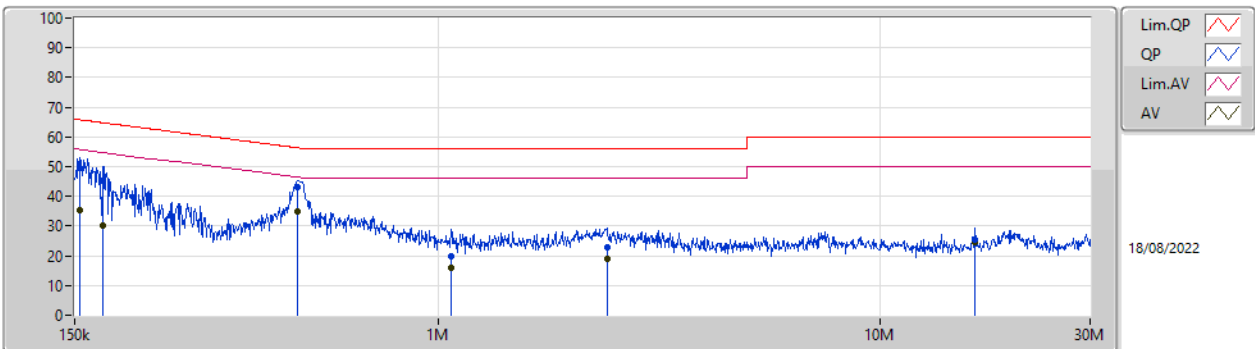
Mode	Result	Type	Freq (Hz)	Level (dBUV)	Limit (dBUV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	150k	48.64	66.00	-17.36	Line	-
Mode 1	Pass	AV	150k	34.66	56.00	-21.34	Line	-
Mode 1	Pass	QP	177.381k	44.06	64.60	-20.54	Line	-
Mode 1	Pass	AV	177.381k	29.01	54.60	-25.59	Line	-
Mode 1	Pass	QP	264.41k	34.56	61.30	-26.74	Line	-
Mode 1	Pass	AV	264.41k	20.98	51.30	-30.32	Line	-
Mode 1	Pass	QP	481.211k	43.25	56.33	-13.08	Line	-
Mode 1	Pass	AV	481.211k	34.83	46.33	-11.50	Line	-
Mode 1	Pass	QP	2.483M	23.30	56.00	-32.70	Line	-
Mode 1	Pass	AV	2.483M	19.03	46.00	-26.97	Line	-
Mode 1	Pass	QP	20.188M	20.90	60.00	-39.10	Line	-
Mode 1	Pass	AV	20.188M	18.02	50.00	-31.98	Line	-
Mode 1	Pass	QP	153.636k	49.62	65.81	-16.19	Neutral	-
Mode 1	Pass	AV	153.636k	35.46	55.81	-20.35	Neutral	-
Mode 1	Pass	QP	173.876k	45.43	64.78	-19.35	Neutral	-
Mode 1	Pass	AV	173.876k	30.29	54.78	-24.49	Neutral	-
Mode 1	Pass	QP	479.294k	43.14	56.34	-13.20	Neutral	-
Mode 1	Pass	AV	479.294k	34.70	46.34	-11.64	Neutral	-
Mode 1	Pass	QP	1.069M	19.95	56.00	-36.05	Neutral	-
Mode 1	Pass	AV	1.069M	16.05	46.00	-29.95	Neutral	-
Mode 1	Pass	QP	2.414M	22.85	56.00	-33.15	Neutral	-
Mode 1	Pass	AV	2.414M	18.80	46.00	-27.20	Neutral	-
Mode 1	Pass	QP	16.469M	25.42	60.00	-34.58	Neutral	-
Mode 1	Pass	AV	16.469M	24.76	50.00	-25.24	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	150k	48.64	66.00	-17.36	19.63	Line	-	29.01	9.69	0.03	9.91				
AV	150k	34.66	56.00	-21.34	19.63	Line	-	15.03	9.69	0.03	9.91				
QP	177.381k	44.06	64.60	-20.54	19.63	Line	-	24.43	9.69	0.03	9.91				
AV	177.381k	29.01	54.60	-25.59	19.63	Line	-	9.38	9.69	0.03	9.91				
QP	264.41k	34.56	61.30	-26.74	19.63	Line	-	14.93	9.69	0.03	9.91				
AV	264.41k	20.98	51.30	-30.32	19.63	Line	-	1.35	9.69	0.03	9.91				
QP	481.211k	43.25	56.33	-13.08	19.63	Line	-	23.62	9.68	0.04	9.91				
AV	481.211k	34.83	46.33	-11.50	19.63	Line	-	15.20	9.68	0.04	9.91				
QP	2.483M	23.30	56.00	-32.70	19.72	Line	-	3.58	9.70	0.10	9.92				
AV	2.483M	19.03	46.00	-26.97	19.72	Line	-	-0.69	9.70	0.10	9.92				
QP	20.188M	20.90	60.00	-39.10	19.99	Line	-	0.91	9.79	0.27	9.93				
AV	20.188M	18.02	50.00	-31.98	19.99	Line	-	-1.97	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	153.636k	49.62	65.81	-16.19	19.67	Neutral	-	29.95	9.73	0.03	9.91				
AV	153.636k	35.46	55.81	-20.35	19.67	Neutral	-	15.79	9.73	0.03	9.91				
QP	173.876k	45.43	64.78	-19.35	19.66	Neutral	-	25.77	9.72	0.03	9.91				
AV	173.876k	30.29	54.78	-24.49	19.66	Neutral	-	10.63	9.72	0.03	9.91				
QP	479.294k	43.14	56.34	-13.20	19.67	Neutral	-	23.47	9.72	0.04	9.91				
AV	479.294k	34.70	46.34	-11.64	19.67	Neutral	-	15.03	9.72	0.04	9.91				
QP	1.069M	19.95	56.00	-36.05	19.70	Neutral	-	0.25	9.73	0.05	9.92				
AV	1.069M	16.05	46.00	-29.95	19.70	Neutral	-	-3.65	9.73	0.05	9.92				
QP	2.414M	22.85	56.00	-33.15	19.76	Neutral	-	3.09	9.75	0.09	9.92				
AV	2.414M	18.80	46.00	-27.20	19.76	Neutral	-	-0.96	9.75	0.09	9.92				
QP	16.469M	25.42	60.00	-34.58	20.14	Neutral	-	5.28	9.96	0.25	9.93				
AV	16.469M	24.76	50.00	-25.24	20.14	Neutral	-	4.62	9.96	0.25	9.93				



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
	-	-	-	-	-	-	-	-	-	-	-	-
SRD	Pass	PK	51.34M	32.33	40.00	-7.67	-13.56	1	Vertical	0	1.00	-

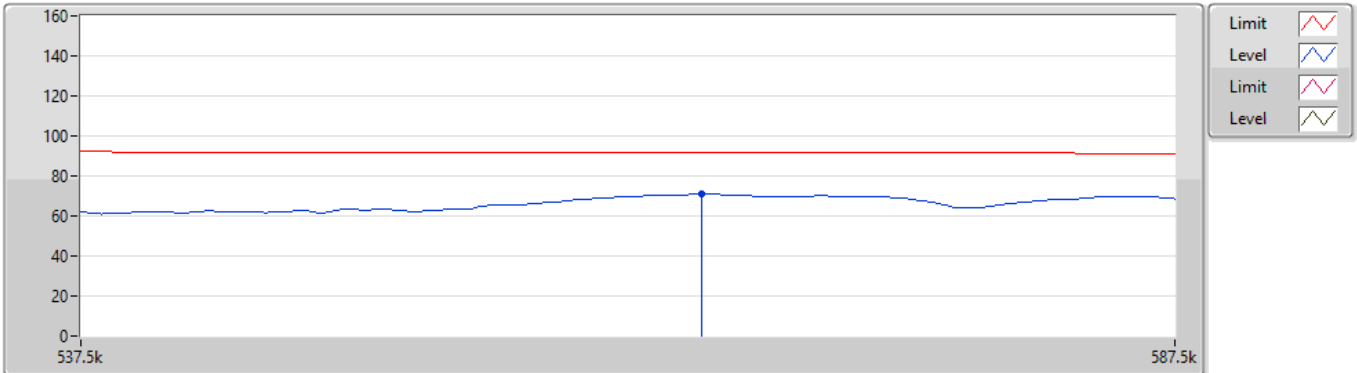
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
SRD	-	-	-	-	-	-	-	-	-	-	-	-
0.5625MHz_TX	Pass	PK	51.34M	32.33	40.00	-7.67	-13.56	1	Vertical	0	1.00	-
0.5625MHz_TX	Pass	PK	167.74M	27.72	43.50	-15.78	-10.15	1	Vertical	0	1.00	-
0.5625MHz_TX	Pass	PK	280.26M	34.09	46.00	-11.91	-5.97	1	Vertical	0	1.00	-
0.5625MHz_TX	Pass	PK	359.8M	33.99	46.00	-12.01	-3.92	1	Vertical	0	1.00	-
0.5625MHz_TX	Pass	PK	408.3M	33.65	46.00	-12.35	-2.46	1	Vertical	0	1.00	-
0.5625MHz_TX	Pass	PK	856.44M	35.32	46.00	-10.68	3.13	1	Vertical	0	1.00	-
0.5625MHz_TX	Pass	PK	92.08M	29.37	43.50	-14.13	-11.43	1	Horizontal	360	1.00	-
0.5625MHz_TX	Pass	PK	167.74M	26.84	43.50	-16.66	-10.15	1	Horizontal	360	1.00	-
0.5625MHz_TX	Pass	PK	247.28M	35.17	46.00	-10.83	-6.87	1	Horizontal	360	1.00	-
0.5625MHz_TX	Pass	PK	280.26M	35.32	46.00	-10.68	-5.97	1	Horizontal	360	1.00	-
0.5625MHz_TX	Pass	PK	408.3M	35.54	46.00	-10.46	-2.46	1	Horizontal	360	1.00	-
0.5625MHz_TX	Pass	PK	664.38M	32.43	46.00	-13.57	0.53	1	Horizontal	360	1.00	-

SRD

16/08/2022

0.5625MHz_TX

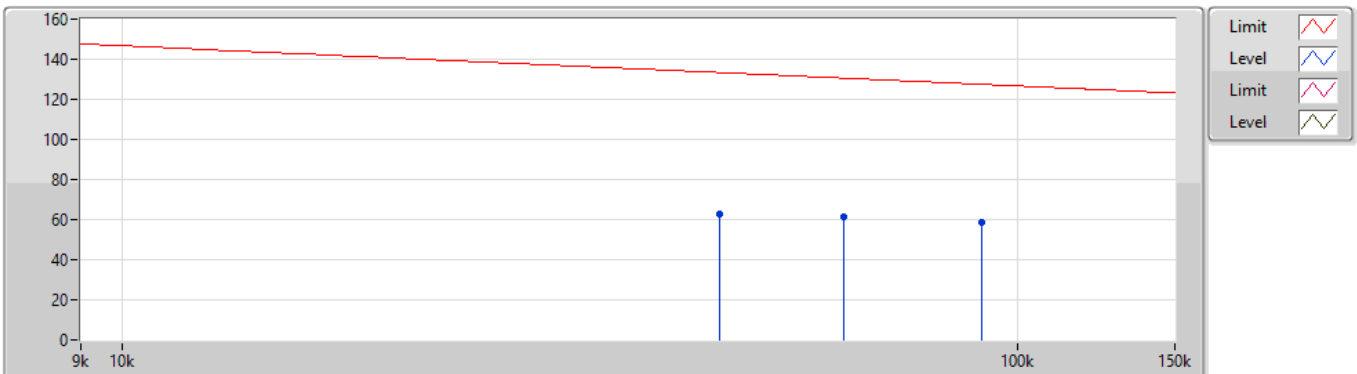


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	565.3k	70.81	91.65	-20.84	20.31	1	Horizontal	99	1.00	-	50.50	20.22	0.09	-

SRD

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0.5625MHz_TX

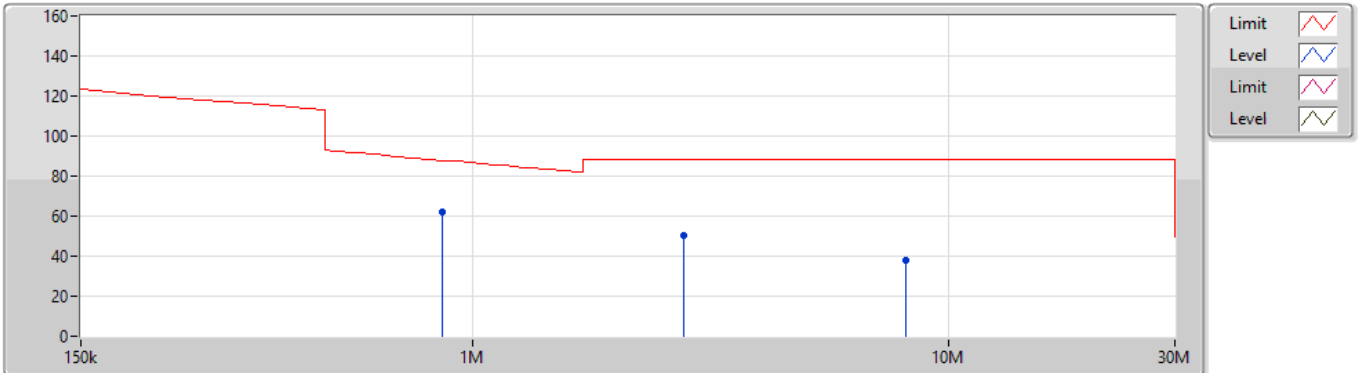


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	46.506k	62.44	133.33	-70.89	20.95	1	Horizontal	360	1.00	-	41.49	20.91	0.04	-
PK	63.99k	61.47	130.57	-69.10	20.44	1	Horizontal	360	1.00	-	41.03	20.41	0.03	-
PK	91.344k	58.29	127.47	-69.18	19.88	1	Horizontal	360	1.00	-	38.41	19.84	0.04	-

SRD

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0.5625MHz_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)
PK	866.4k	62.19	87.91	-25.72	20.39	1	Horizontal	0	1.00	-	41.80	20.28	0.11	-
PK	2.777M	50.31	88.60	-38.29	19.84	1	Horizontal	0	1.00	-	30.47	19.65	0.19	-
PK	8.15M	38.10	88.60	-50.50	21.94	1	Horizontal	0	1.00	-	16.16	21.57	0.37	-



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
	-	-	-	-	-	-	-	-	-	-	-	-
SRD	Pass	PK	51.34M	32.33	40.00	-7.67	-13.56	3	Vertical	0	1.00	-

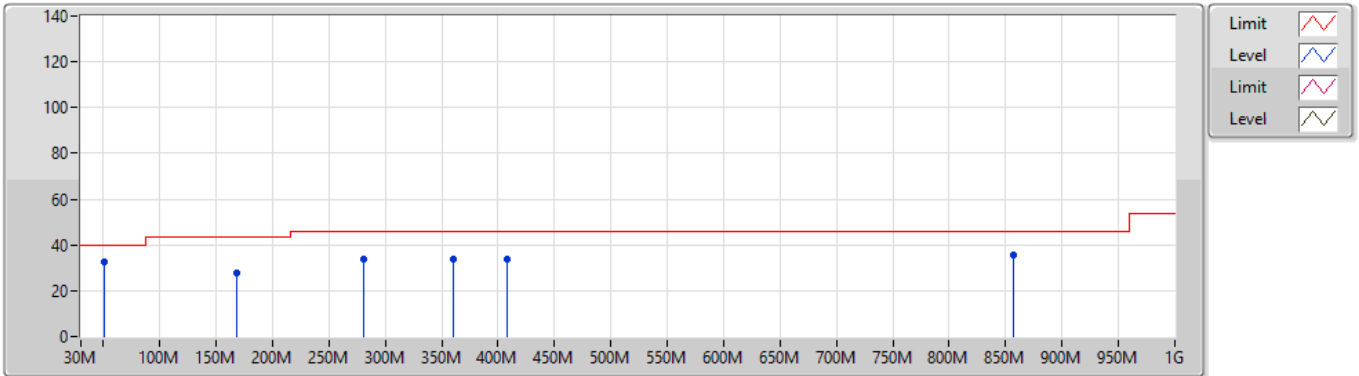
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
SRD	-	-	-	-	-	-	-	-	-	-	-	-
0.5625MHz_TX	Pass	PK	51.34M	32.33	40.00	-7.67	-13.56	3	Vertical	0	1.00	-
0.5625MHz_TX	Pass	PK	167.74M	27.72	43.50	-15.78	-10.15	3	Vertical	0	1.00	-
0.5625MHz_TX	Pass	PK	280.26M	34.09	46.00	-11.91	-5.97	3	Vertical	0	1.00	-
0.5625MHz_TX	Pass	PK	359.8M	33.99	46.00	-12.01	-3.92	3	Vertical	0	1.00	-
0.5625MHz_TX	Pass	PK	408.3M	33.65	46.00	-12.35	-2.46	3	Vertical	0	1.00	-
0.5625MHz_TX	Pass	PK	856.44M	35.32	46.00	-10.68	3.13	3	Vertical	0	1.00	-
0.5625MHz_TX	Pass	PK	92.08M	29.37	43.50	-14.13	-11.43	3	Horizontal	360	1.00	-
0.5625MHz_TX	Pass	PK	167.74M	26.84	43.50	-16.66	-10.15	3	Horizontal	360	1.00	-
0.5625MHz_TX	Pass	PK	247.28M	35.17	46.00	-10.83	-6.87	3	Horizontal	360	1.00	-
0.5625MHz_TX	Pass	PK	280.26M	35.32	46.00	-10.68	-5.97	3	Horizontal	360	1.00	-
0.5625MHz_TX	Pass	PK	408.3M	35.54	46.00	-10.46	-2.46	3	Horizontal	360	1.00	-
0.5625MHz_TX	Pass	PK	664.38M	32.43	46.00	-13.57	0.53	3	Horizontal	360	1.00	-

SRD

0.5625MHz_TX

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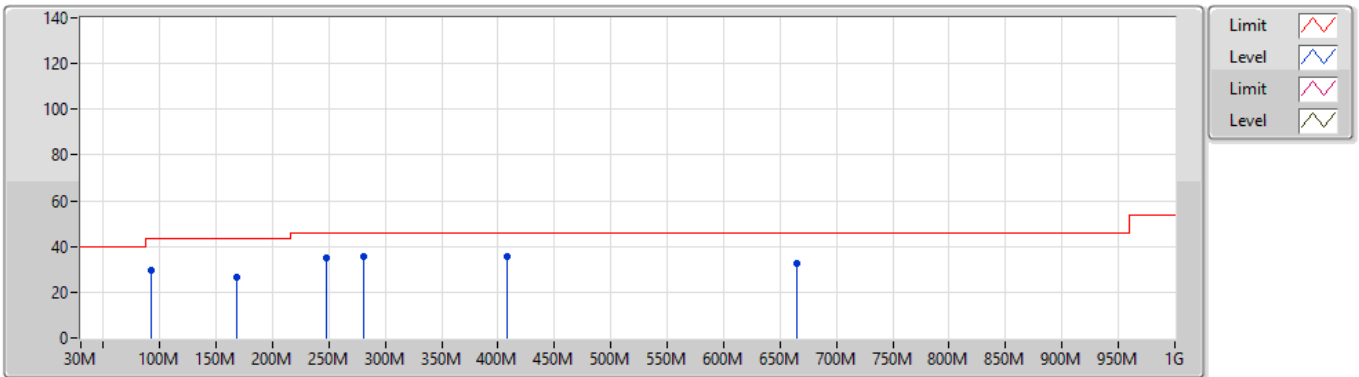


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	51.34M	32.33	40.00	-7.67	-13.56	3	Vertical	0	1.00	-	45.89	12.79	1.15	27.50
PK	167.74M	27.72	43.50	-15.78	-10.15	3	Vertical	0	1.00	-	37.87	14.78	2.13	27.06
PK	280.26M	34.09	46.00	-11.91	-5.97	3	Vertical	0	1.00	-	40.06	17.86	2.81	26.64
PK	359.8M	33.99	46.00	-12.01	-3.92	3	Vertical	0	1.00	-	37.91	19.81	3.19	26.92
PK	408.3M	33.65	46.00	-12.35	-2.46	3	Vertical	0	1.00	-	36.11	21.38	3.41	27.25
PK	856.44M	35.32	46.00	-10.68	3.13	3	Vertical	0	1.00	-	32.19	25.51	5.12	27.50

SRD

0.5625MHz_TX

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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)
PK	92.08M	29.37	43.50	-14.13	-11.43	3	Horizontal	360	1.00	-	40.80	14.40	1.56	27.39
PK	167.74M	26.84	43.50	-16.66	-10.15	3	Horizontal	360	1.00	-	36.99	14.78	2.13	27.06
PK	247.28M	35.17	46.00	-10.83	-6.87	3	Horizontal	360	1.00	-	42.04	17.21	2.61	26.69
PK	280.26M	35.32	46.00	-10.68	-5.97	3	Horizontal	360	1.00	-	41.29	17.86	2.81	26.64
PK	408.3M	35.54	46.00	-10.46	-2.46	3	Horizontal	360	1.00	-	38.00	21.38	3.41	27.25
PK	664.38M	32.43	46.00	-13.57	0.53	3	Horizontal	360	1.00	-	31.90	24.08	4.44	27.99

Summary

Mode	20dB (Hz)	FI-20dB (Hz)	Fh-20dB (Hz)	OBW (Hz)	Limit
562.5k	-	-	-	-	-
SRD_Nss1_1TX	94.5k	499.50000k	594.00000k	187.318k	Inf

Result

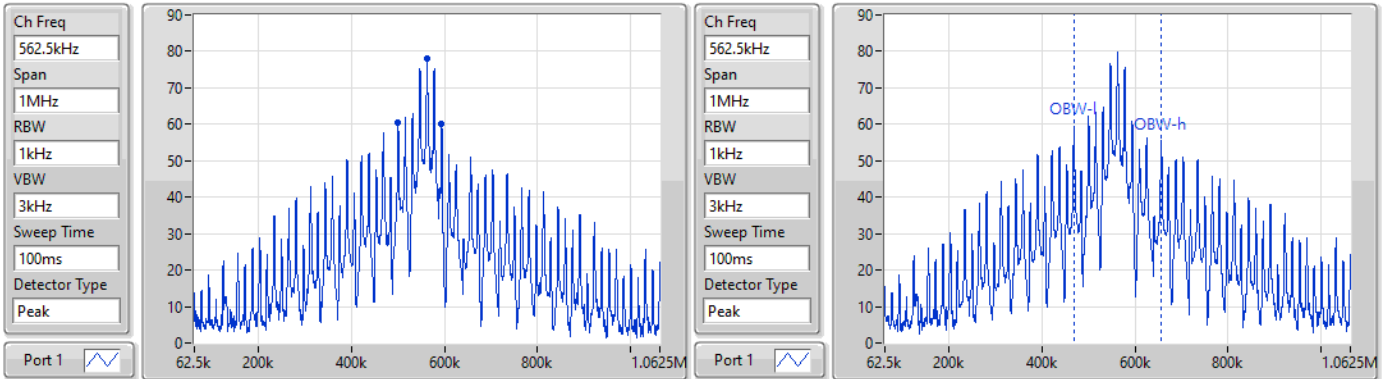
Mode	Result	20dB (Hz)	FI-20dB (Hz)	Fh-20dB (Hz)	OBW (Hz)	FI-OBW (Hz)	Fh-OBW (Hz)	Limit
SRD_Nss1_1TX	-	-	-	-	-	-	-	-
0.5625MHz_TnomVnom	Pass	94.5k	499.50000k	594.00000k	187.318k	467.95287k	655.27074k	Inf

SRD_Nss1_1TX

0.5625MHz_TnomVnom

EBW

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20dB(Hz)	FI-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit
94.5k	499.50000k	594.00000k	187.318k	467.95287k	655.27074k	Inf