

CERTIFICATION TEST REPORT

Report Number. : U-4792165153-FR1V3

Applicant : Plasmapp Co., Ltd.
A-1005, 10F, 670, Daewangpangyo-ro, Bundang-gu,
Seongnam-si, Gyeonggi-do, 13494, Republic of Korea

Model : STERLINK U510

Derivative Model : 510

FCC ID : 2BEXA-STU

EUT Description : Low temperature plasma sterilizer

Test Standard(s) : FCC 47 CFR Part 15 Subpart C

Date Of Issue:

2026-08-03

Prepared by:

UL KOREA LTD.

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Revision History

Rev.	Issue Date	Revisions	Revised By
V1	2026-07-22	Initial issue	Jungi Shin
V2	2026-07-29	Updated to address TCB's question	Jungi Shin
V3	2026-08-03	Updated to address TCB's question	Jungi Shin

TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS	4
2. TEST METHODOLOGY	5
3. FACILITIES AND ACCREDITATION	5
4. CALIBRATION AND UNCERTAINTY	6
4.1. MEASURING INSTRUMENT CALIBRATION	6
4.2. SAMPLE CALCULATION	6
4.3. MEASUREMENT UNCERTAINTY.....	6
4.4. DECISION RULE.....	6
5. EQUIPMENT UNDER TEST.....	7
5.1. DESCRIPTION OF EUT	7
5.2. MAXIMUM E-FIELD STRENGTH	7
5.3. MODE CONFIGURATION	7
5.4. DESCRIPTION OF TEST SETUP.....	8
6. TEST AND MEASUREMENT EQUIPMENT	9
7. TEST RESULTS SUMMARY.....	10
8. 20 dB BANDWIDTH	11
9. RADIATED EMISSION TEST RESULTS.....	12
9.1. LIMITS AND PROCEDURE.....	12
9.2. FUNDAMENTAL AND SPURIOUS EMISSIONS (13.11 – 14.01 MHz)	14
9.2.1. EUT with passive TAG mode	14
9.2.2. EUT without passive TAG mode	16
9.3. SPURIOUS EMISSION 0.009 MHz TO 30 MHz.....	18
9.3.1. EUT with passive TAG mode	18
9.3.2. EUT without passive TAG mode	20
9.4. SPURIOUS EMISSION 30 MHz TO 1000 MHz.....	22
9.4.1. EUT with passive TAG mode	22
9.4.2. EUT without passive TAG mode	23
10. AC MAINS LINE CONDUCTED EMISSIONS	24
10.1. AC Power Line	25
11. FREQUENCY STABILITY.....	29

1. ATTESTATION OF TEST RESULTS

COMPANY NAME: Plasmapp Co., Ltd.
EUT DESCRIPTION: Low temperature plasma sterilizer
MODEL NUMBER: STERLINK U510
DERIVATIVE MODEL: 510
SERIAL NUMBER: STJB4AM0003
DATE TESTED: 2026-06-26 ~ 2026-08-03

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart C	Complies

UL KOREA LTD. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL KOREA LTD. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL KOREA LTD. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL KOREA LTD. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by IAS, any agency of the Federal Government, or any agency of any government.

Approved & Released For
UL KOREA LTD. By:

Tested By:



Changmin Kim
Senior Laboratory Engineer
UL Korea, Ltd.



Jungi Shin
Laboratory Engineer Associate
UL Korea, Ltd.

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with following methods.

1. FCC 47 CFR Part 2.
2. FCC 47 CFR Part 15.
3. ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024.
4. KDB 414788 D01 Radiated Test Site v01r01

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 42, Obongsandan 1-ro, Uiwang-si, Gyeonggi-do, Republic of Korea. Line conducted emissions are measured only at the 218 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

42, Obongsandan 1-ro	
☒	Chamber 1
☐	Chamber 2

Used ISED Test Site Reg.(company number): 32001
CAB Identifier: KR0161

UL Korea, Ltd. is accredited by IAS, Laboratory Code TL-1087. The full scope of accreditation can be viewed at <https://www.iasonline.org/wp-content/uploads/2022/05/TL-1087-Cert-New.pdf>

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

$$\begin{aligned} \text{Field Strength (dBuV/m)} &= \text{Measured Voltage (dBuV)} + \text{Antenna Factor (dB/m)} + \\ &\text{Cable Loss (dB)} - \text{Preamplifier Gain (dB)} \\ 28.9 \text{ dBuV/m} &= 36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} \end{aligned}$$

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	1.84 dB
Radiated Disturbance, 9 kHz to 30 MHz	1.92 dB
Radiated Disturbance, 30 MHz to 1 GHz	3.74 dB

Uncertainty figures are valid to a confidence level of 95%.

4.4. DECISION RULE

Decision rule for statement(s) of conformity is based on Clause 4.3.3 in IEC Guide 115:2023. Measurement Uncertainty is not applied when providing statements of conformity in accordance with IEC Guide 115:2023, 4.3.3

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a Low temperature plasma sterilizer with RFID.

Representative model	Derivative model	Description / Difference
STERLINK U510	510	Identical Hardware & Software (Added for marketing purposes only)

5.2. MAXIMUM E-FIELD STRENGTH

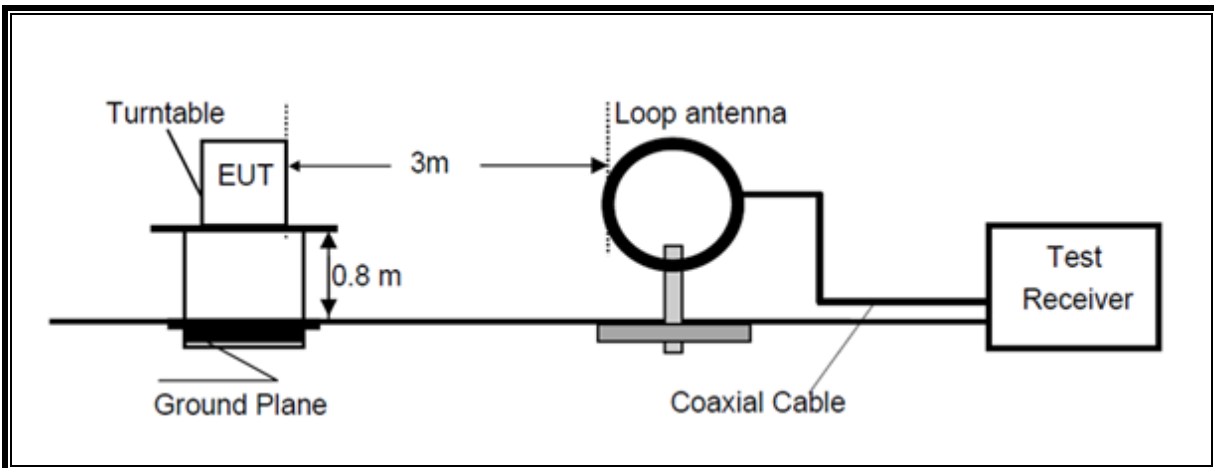
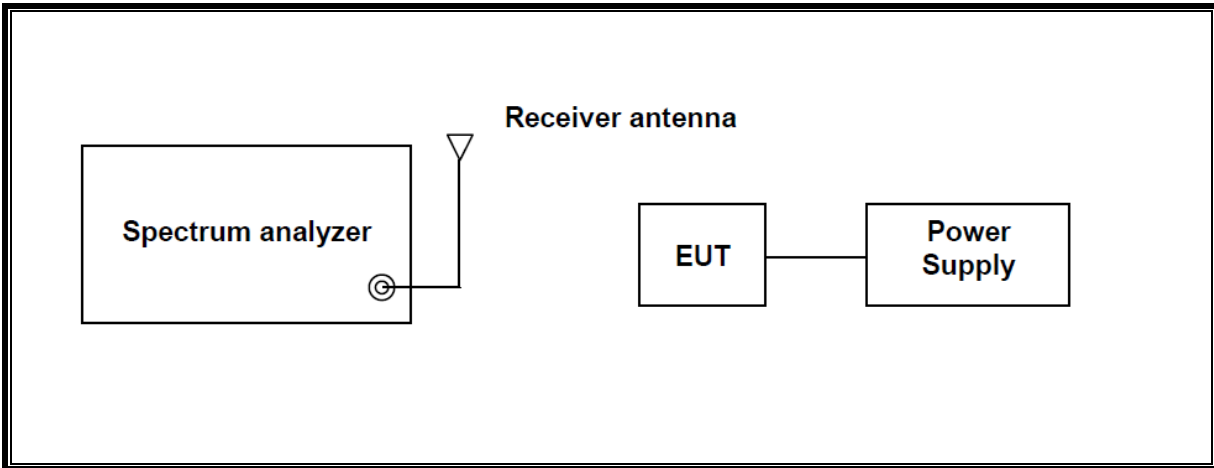
The testing was performed at 3 meter. The transmitter maximum E-field at 30m distance is 14.4 dBuV/m which convert from 3 meter data.

5.3. MODE CONFIGURATION

The RFID function was tested at its fundamental and only operational frequency of 13.56 MHz. Radiated(fundamental level and spurious emissions) tests were performed both without reading a passive tag condition and with reading a passive tag condition.

5.4. DESCRIPTION OF TEST SETUP

SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP)



6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Description	Manufacturer	Model	Identifier	Cal. Date	Next Cal. Date
Spectrum Analyzer	Rohde & Schwarz	FSW50	101567	2026-06-16	2027-06-16
EMI test Receiver	Rohde & Schwarz	ESW44	103297	2026-01-20	2027-01-20
EMI test Receiver	Rohde & Schwarz	ESR7	102328	2026-01-20	2027-01-20
2 Line LISN	Rohde & Schwarz	ENV216	102638	2026-01-20	2027-01-20
Loop Antenna	TESEQ	HLA6121	65111	2025-07-17	2027-07-17
TRILOG BROADBAND ANTENNA	Schwarzbeck	VULB9163	01670	2025-09-29	2027-09-29
Signal Conditioning Unit	Rohde & Schwarz	SCU01F	100316	2026-03-04	2027-03-04
Walk In Room chamber	ENEX	EN-RC-2004-1K	EN20231006-2-01	2026-05-22	2027-05-22
Humidity/Baro/Temp DATA RECORDER	Lutron	MHB-382SD	AM.00223	2025-12-30	2026-12-30
Humidity/Baro/Temp DATA RECORDER	Lutron	MHB-382SD	AL.92208	2026-07-15	2027-07-15
Digital Multimeter	Fluke corporation	17B+	51260820WS	2026-07-13	2027-07-13
Slide AC	Daelim Electric	3 KVA	N/A	2026-07-13	2027-07-13
Attn. Switch	Agilent	11713A	2508A07809	N/A	N/A
Controller	Innco Systems	CO3000	CO3000/1278/49380520/P	N/A	N/A
Antenna Mast	Innco Systems	MA4640	N/A	N/A	N/A
Turn Table	Innco Systems	DS2000	N/A	N/A	N/A

Measurement Software			
Description	Manufacturer	Model	Version
Radiated software	TOYO	EP5RE	6.0.130
Conducted emissions software	Rohde & Schwarz	EMC32	11.10.00

7. TEST RESULTS SUMMARY

FCC Part Section	Test Description	Test Limit	Test Condition	Status
2.1049	20 dB Bandwidth	N/A	Radiated	Comply
15.225 (a)(b)(c)	Radiated Emissions (In-Band Emissions)	15,848µV/m @ 30m 13.553 – 13.567 MHz 334µV/m @ 30m 13.410 – 13.553 MHz 13.567 – 13.710 MHz 106µV/m @ 30m 13.110 – 13.410 MHz 13.710 – 14.010 MHz		Comply
15.225 (d) 15.209	Radiated Emissions (Out-of-Band Emissions)	Emissions outside of the specified band (13.110 - 14.010 MHz) must meet the radiated limits detailed in 15.209		Comply
15.225 (e)	Frequency Stability	± 0.01% of Operating Frequency		Comply
15.207(a)	AC Power Line conducted emissions	< FCC 15.207 limits	Power Line conducted	Comply

8. 20 dB BANDWIDTH

LIMITS

20 dB Bandwidth

None; for reporting purposes only.

TEST PROCEDURE

The spectrum analyzer connected receive antenna and the EUT placed on near the receive antenna. The RBW is set to 1-5% of emission BW. The VBW is set to 3 times the RBW. The sweep time is coupled.

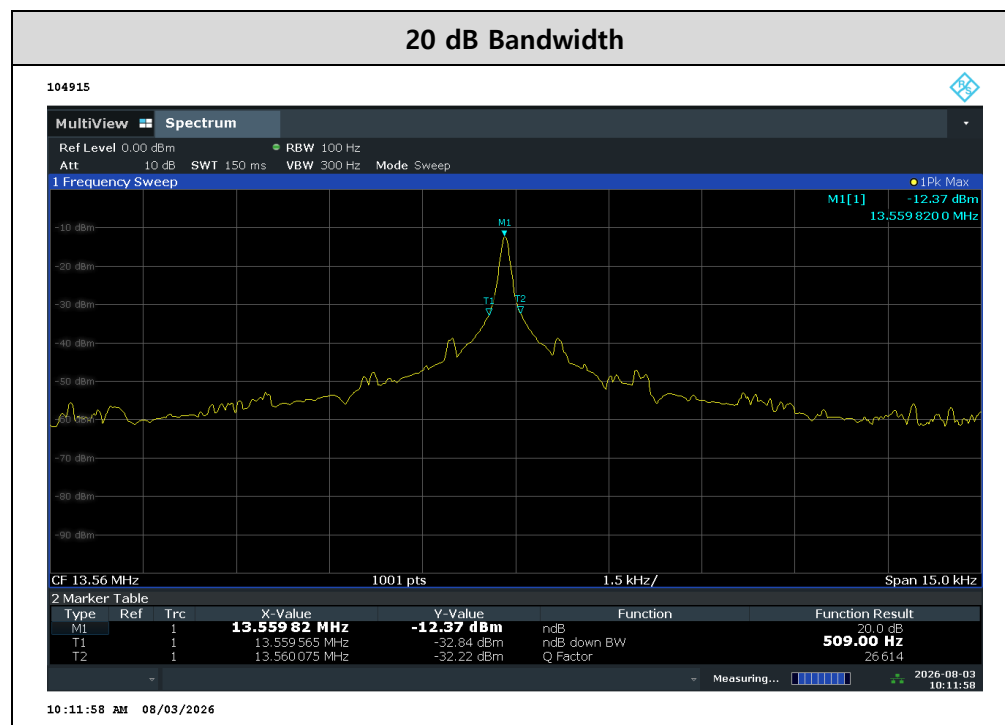
The minimum resolution bandwidth shall be set according to the frequency range as follows:

Frequency range	Resolution Bandwidth
9 kHz – 30 MHz	0.1 kHz
30 MHz – 1000 MHz	1 kHz
Above 1000 MHz	10 kHz

RESULTS

Tested Frequency [MHz]	20 dB Bandwidth [kHz]
13.56	0.509

20dB Bandwidth Plot



Note: The type of signal will change with RBW.

9. RADIATED EMISSION TEST RESULTS

9.1. LIMITS AND PROCEDURE

LIMIT

§15.225

- (a) The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.
- (b) Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.
- (c) Within the bands 13.110-13.410 MHz and 13.710-14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.
- (d) The field strength of any emissions appearing outside of the 13.110-14.010 MHz band shall not exceed the general radiated emission limits in § 15.209.

§15.209

- (a) Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field strength (microvolts/meter)	Measurement Distance (meter)
0.009 - 0.490	240/F (F in kHz)	300
0.490 - 1.705	24000/F (F in kHz)	30
1.705 - 30.0	30	30
30 - 88	100**	3
88 - 216	150**	3
216 - 960	200**	3
Above 960	500	3

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.

- (b) In the emission table above, the tighter limit applies at the band edges.

Formula for converting is:

$$\text{dBuV/m} = 20 \log (\mu\text{V/m})$$

$$\text{dBuA/m} = 20 \log (\mu\text{A/m})$$

$$\text{dBuV/m} = \text{dBuA/m} + 51.5$$

TEST PROCEDURE

ANSI C63.10

The EUT is an intentional radiator that incorporates a digital device. The highest fundamental frequency generated or used in the device is 13.56 MHz. The frequency range was investigated from 0.15 MHz to the 10th harmonic of the highest fundamental frequency, or 1000 MHz, whichever is greater (1000MHz)

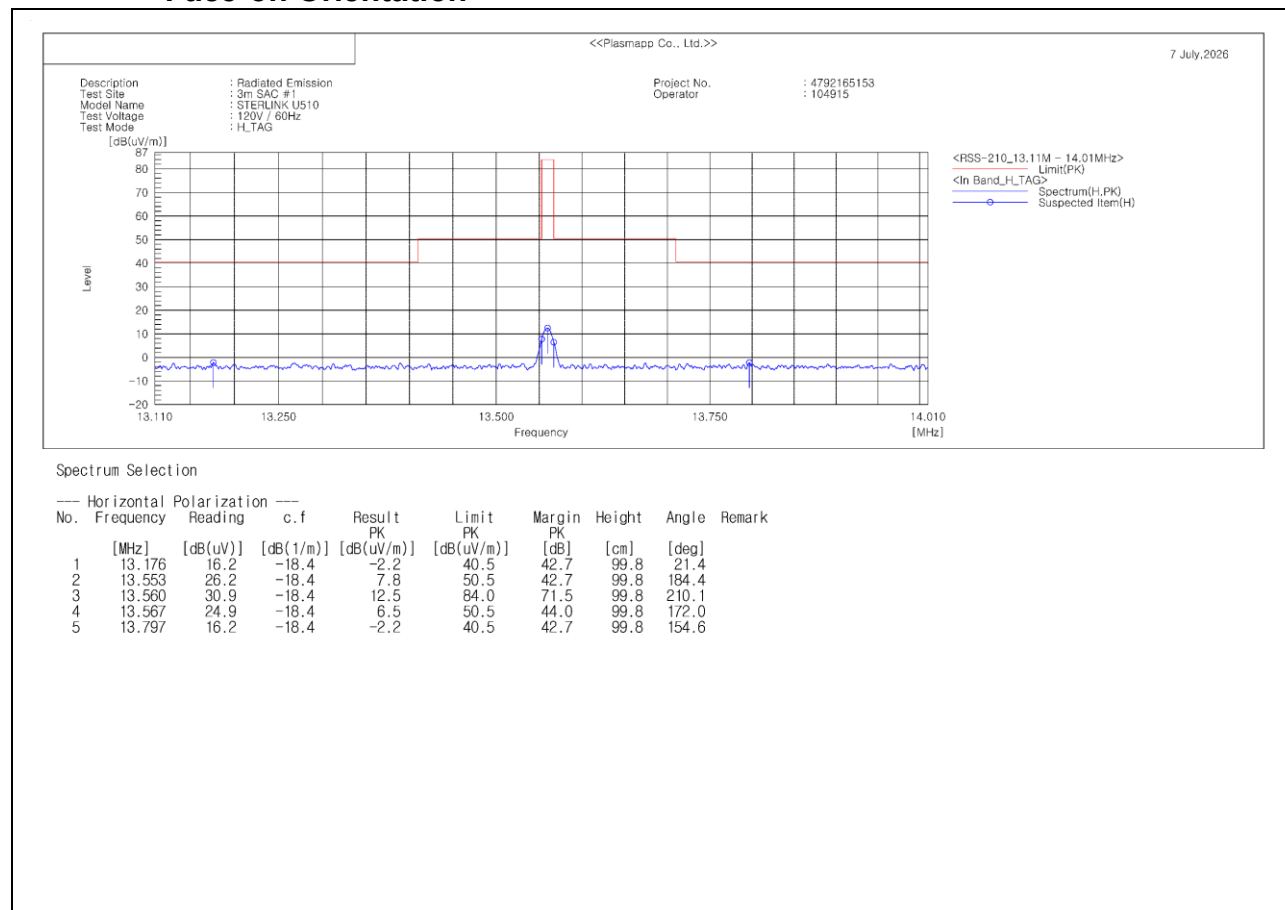
RESULTS

Please refer to the next page

9.2. FUNDAMENTAL AND SPURIOUS EMISSIONS (13.11 – 14.01 MHz)

9.2.1. EUT with passive TAG mode

● Face-on Orientation

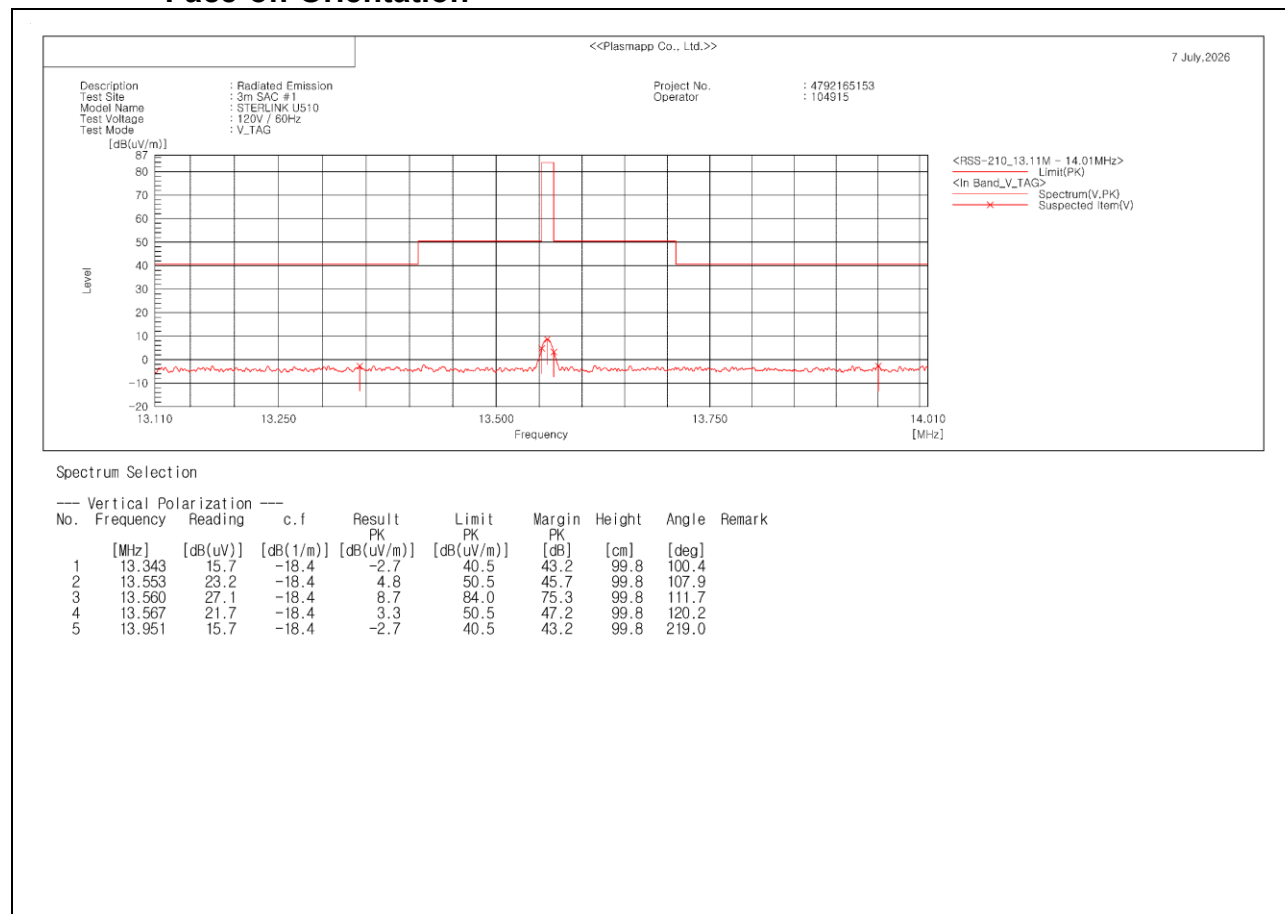


Note 1: Although these tests were performed other than open field test site, adequate comparison measurements were confirmed against 30 m open area test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

Note 2: Radiated test were investigated with three receiving antenna axes: Face-on, Face-off and horizontal (parallel to the ground plane) and the worse orientations of Face-on and Face-off were set for final test.

Note 3: c.f = Antenna Factor - Amp Gain + Cable Loss + Distance Factor
Distance Factor = $40\log(3m/30m) = -40$ dB

● Face-off Orientation



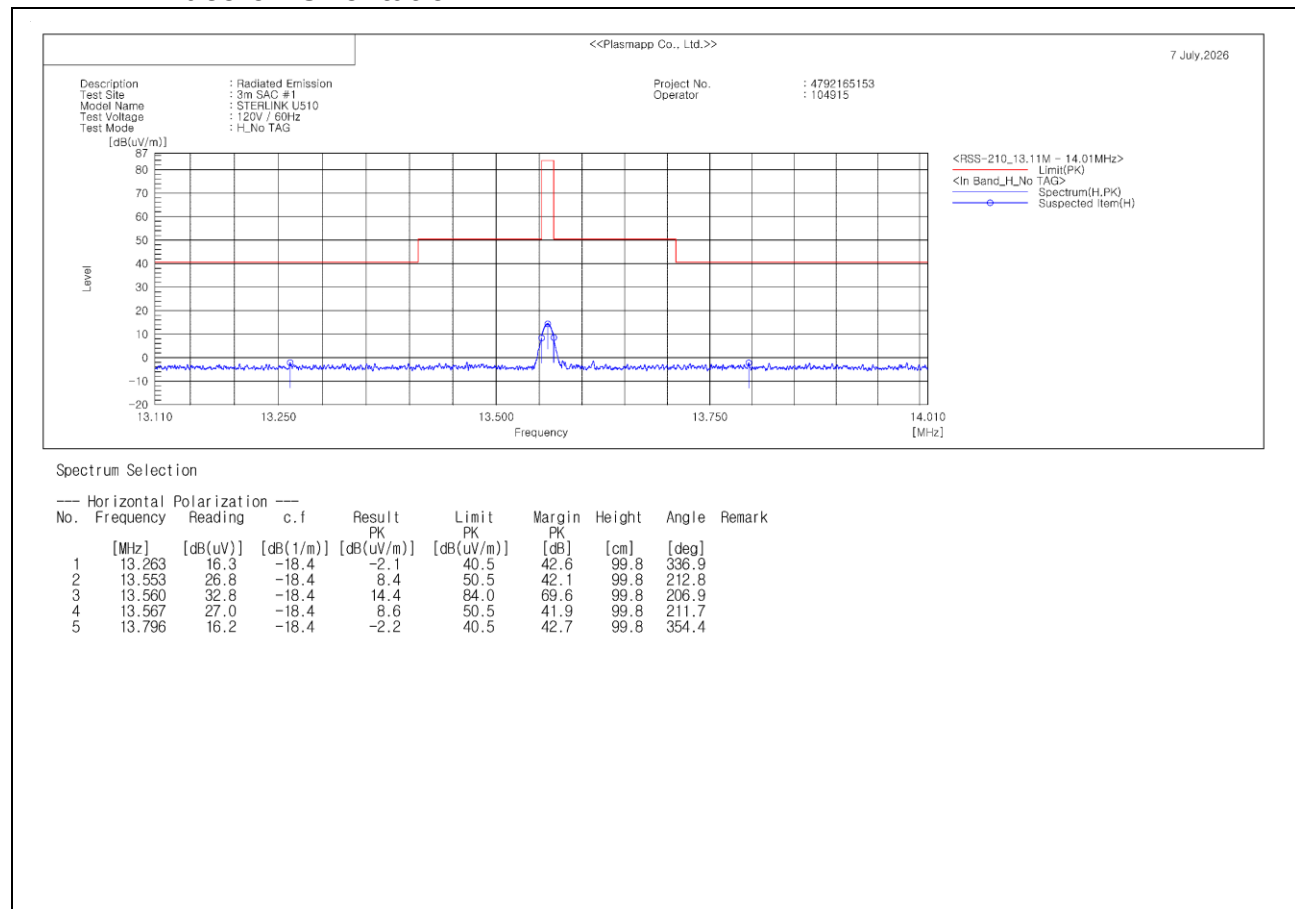
Note 1: Although these tests were performed other than open field test site, adequate comparison measurements were confirmed against 30 m open area test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

Note 2: Radiated test were investigated with three receiving antenna axes: Face-on, Face-off and horizontal (parallel to the ground plane) and the worse orientations of Face-on and Face-off were set for final test.

Note 3: c.f = Antenna Factor - Amp Gain + Cable Loss + Distance Factor
Distance Factor = $40\log(3\text{m}/30\text{m}) = -40\text{ dB}$

9.2.2. EUT without passive TAG mode

● Face-on Orientation

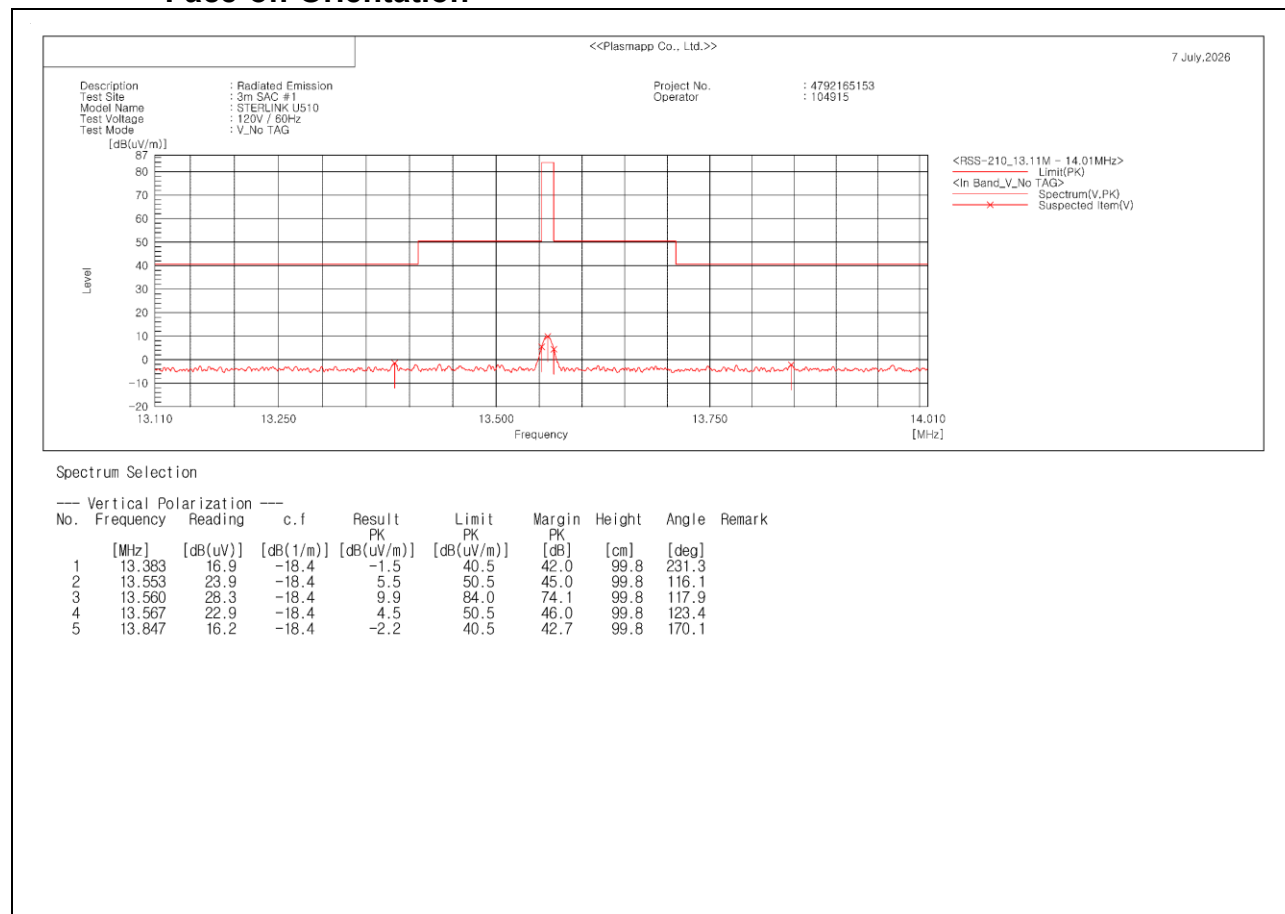


Note 1: Although these tests were performed other than open field test site, adequate comparison measurements were confirmed against 30 m open area test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

Note 2: Radiated test were investigated with three receiving antenna axes: Face-on, Face-off and horizontal (parallel to the ground plane) and the worse orientations of Face-on and Face-off were set for final test.

Note 3: c.f = Antenna Factor - Amp Gain + Cable Loss + Distance Factor
Distance Factor = $40\log(3m/30m) = -40$ dB

● Face-off Orientation



Note 1: Although these tests were performed other than open field test site, adequate comparison measurements were confirmed against 30 m open area test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

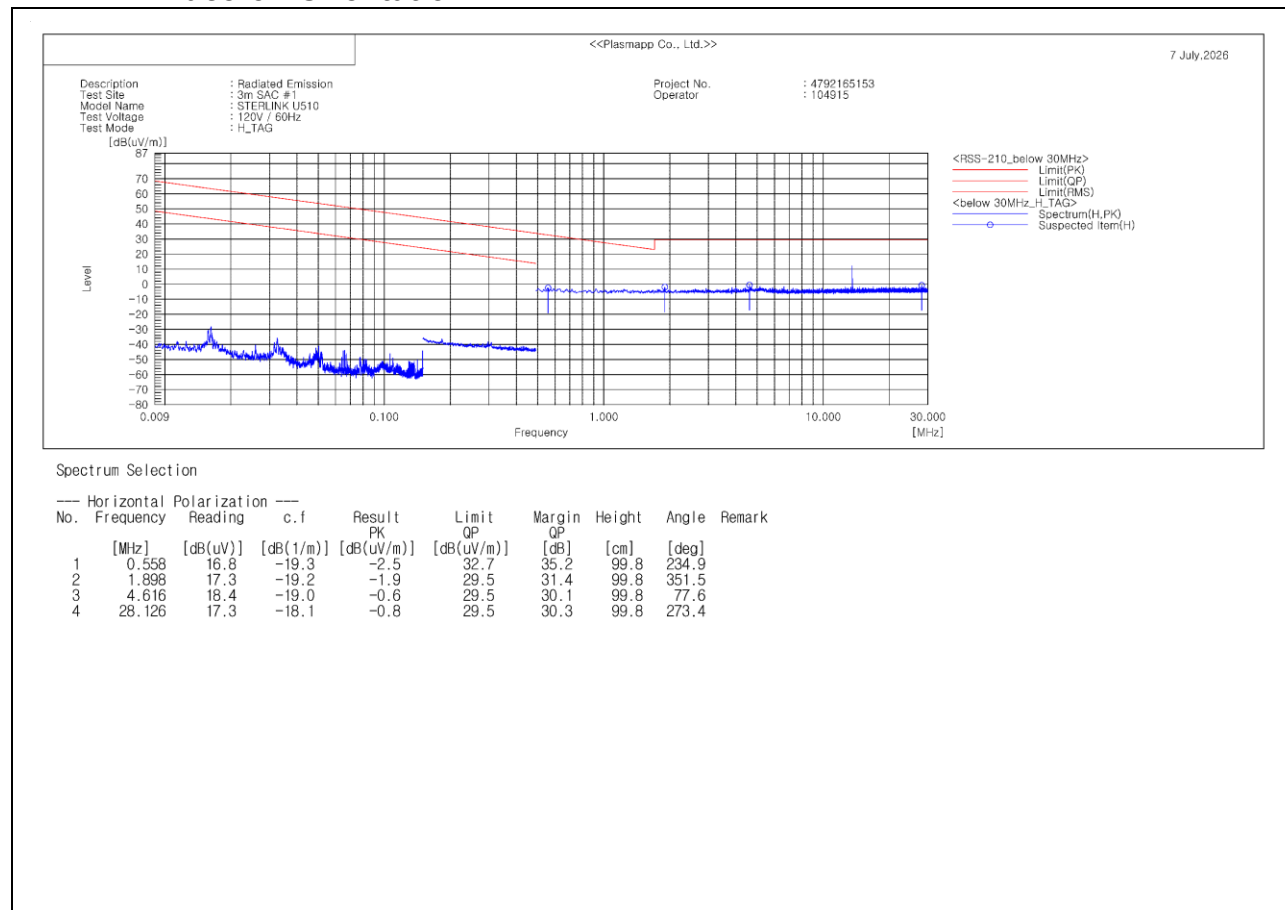
Note 2: Radiated test were investigated with three receiving antenna axes: Face-on, Face-off and horizontal (parallel to the ground plane) and the worse orientations of Face-on and Face-off were set for final test.

Note 3: c.f = Antenna Factor - Amp Gain + Cable Loss + Distance Factor
Distance Factor = $40\log(3\text{m}/30\text{m}) = -40\text{ dB}$

9.3. SPURIOUS EMISSION 0.009 MHz TO 30 MHz

9.3.1. EUT with passive TAG mode

● Face-on Orientation



Note 1: Frequency range 0.009MHz ~ 0.490MHz, only noise floor level and more than 20dB margin.

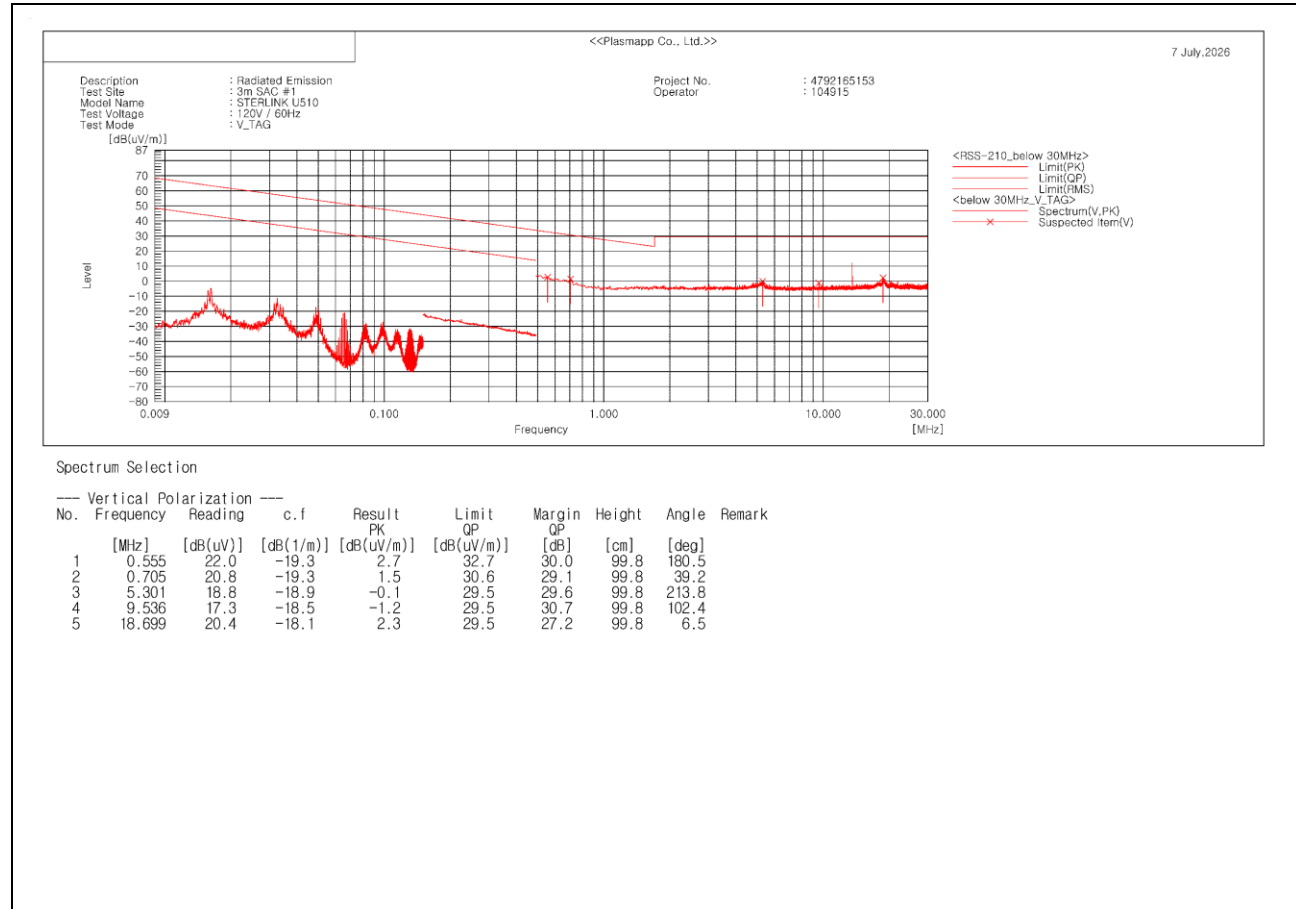
Note 2: Radiated test were investigated with three receiving antenna axes: Face-on, Face-off and horizontal (parallel to the ground plane) and the worse orientations of Face-on and Face-off were set for final test.

Note 3: c.f = Antenna Factor - Amp Gain + Cable Loss + Distance Factor

Distance Factor(0.009 MHz ~ 0.490 MHz) = $40\log(3m/300m) = -80$ dB

Distance Factor(0.490 MHz ~ 30 MHz) = $40\log(3m/30m) = -40$ dB

● Face-off Orientation



Note 1: Frequency range 0.009MHz ~ 0.490MHz, only noise floor level and more than 20dB margin.

Note 2: Radiated test were investigated with three receiving antenna axes: Face-on, Face-off and horizontal (parallel to the ground plane) and the worse orientations of Face-on and Face-off were set for final test.

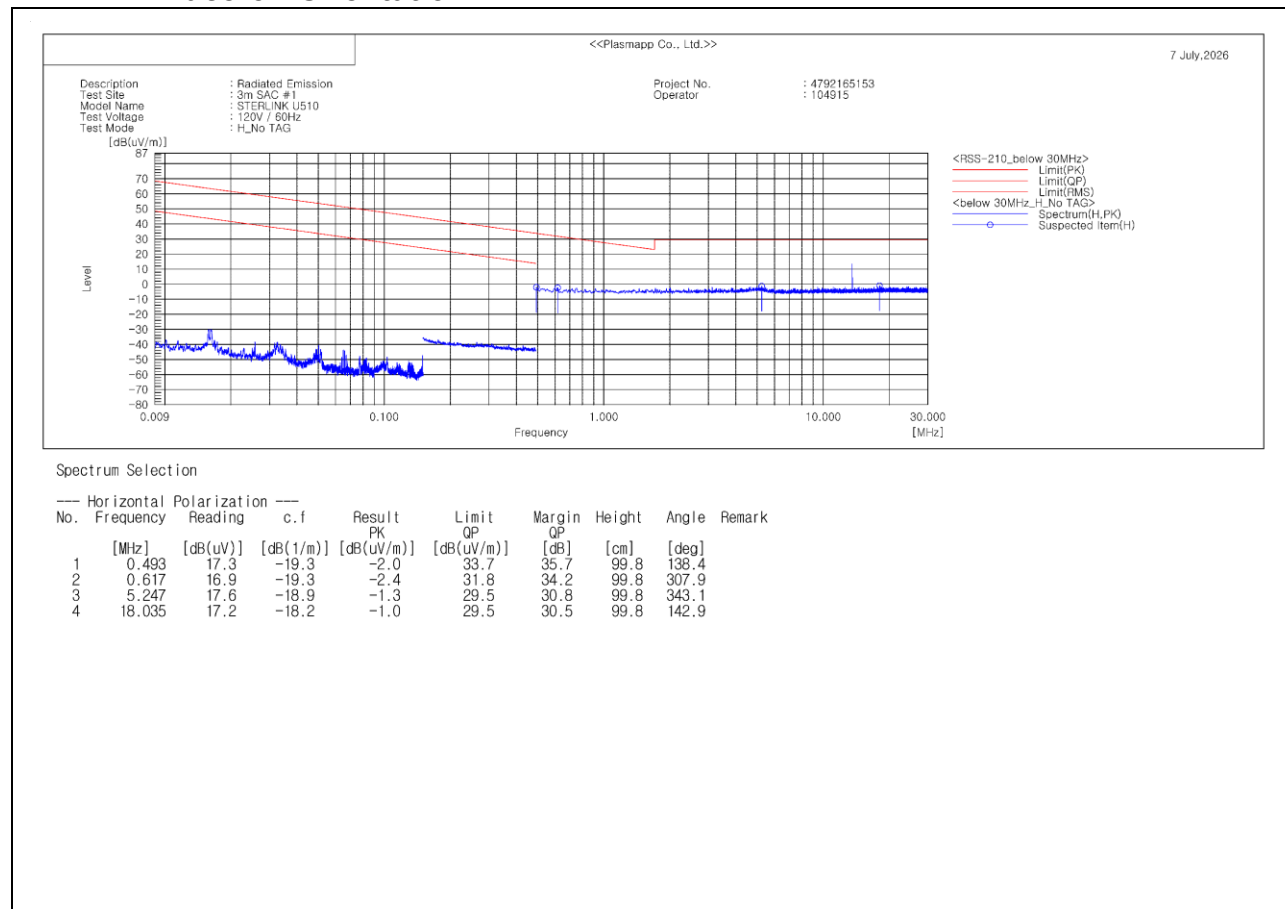
Note 3: c.f = Antenna Factor - Amp Gain + Cable Loss + Distance Factor

Distance Factor(0.009 MHz ~ 0.490 MHz) = $40\log(3m/300m) = -80$ dB

Distance Factor(0.490 MHz ~ 30 MHz) = $40\log(3m/30m) = -40$ dB

9.3.2. EUT without passive TAG mode

● Face-on Orientation



Note 1: Frequency range 0.009MHz ~ 0.490MHz, only noise floor level and more than 20dB margin.

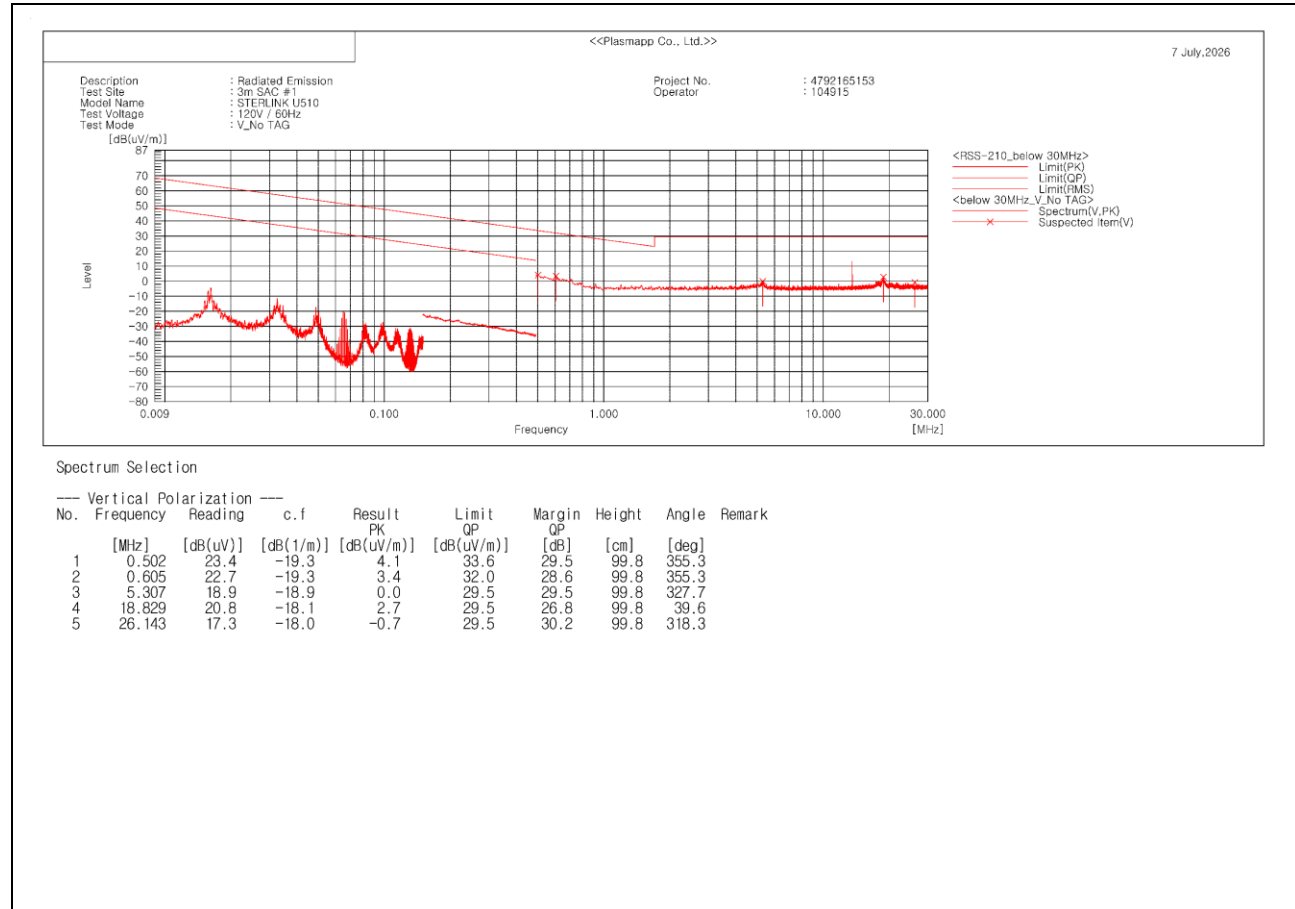
Note 2: Radiated test were investigated with three receiving antenna axes: Face-on, Face-off and horizontal (parallel to the ground plane) and the worse orientations of Face-on and Face-off were set for final test.

Note 3: c.f = Antenna Factor - Amp Gain + Cable Loss + Distance Factor

Distance Factor(0.009 MHz ~ 0.490 MHz) = $40\log(3m/300m) = -80$ dB

Distance Factor(0.490 MHz ~ 30 MHz) = $40\log(3m/30m) = -40$ dB

● Face-off Orientation



Note 1: Frequency range 0.009MHz ~ 0.490MHz, only noise floor level and more than 20dB margin.

Note 2: Radiated test were investigated with three receiving antenna axes: Face-on, Face-off and horizontal (parallel to the ground plane) and the worse orientations of Face-on and Face-off were set for final test.

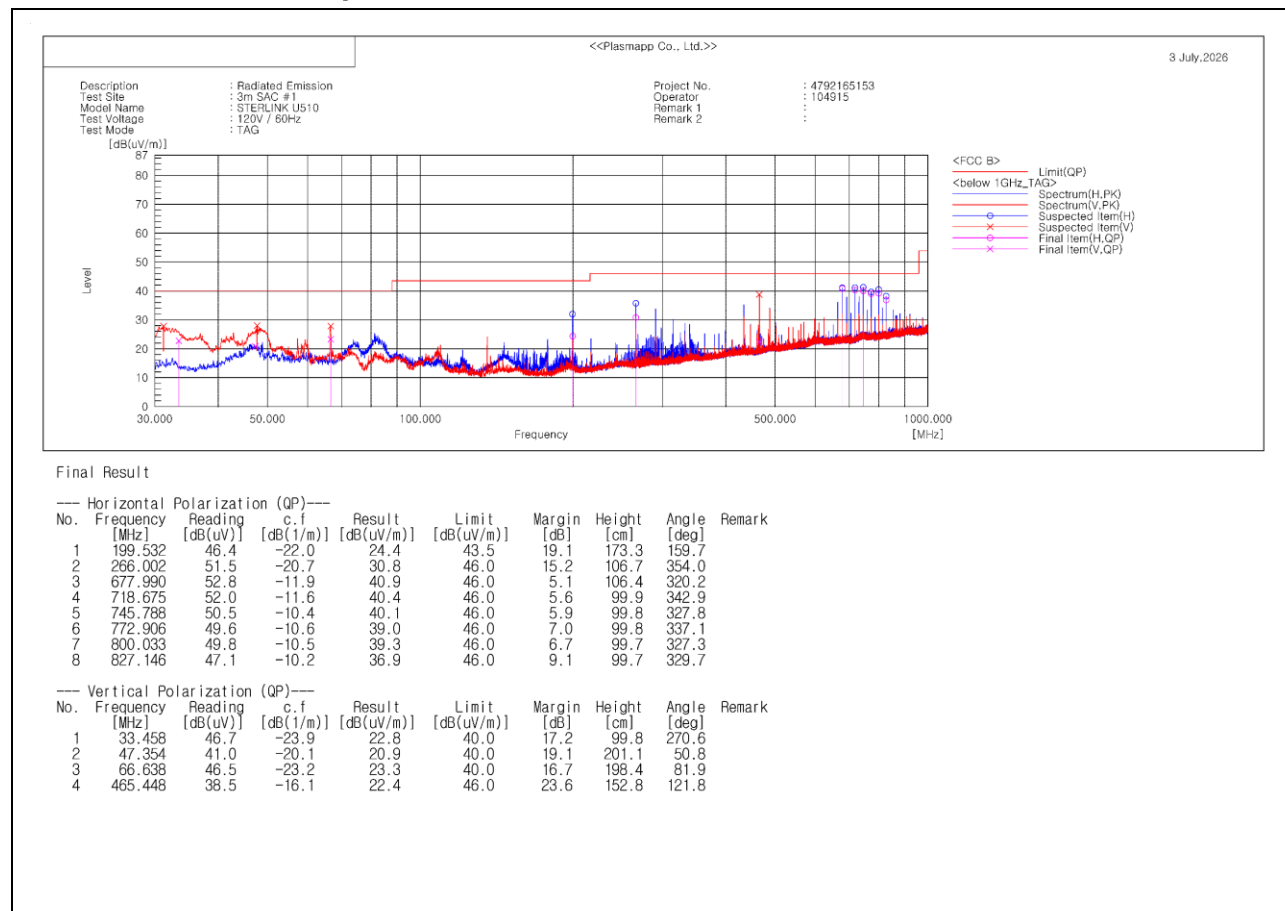
Note 3: c.f = Antenna Factor - Amp Gain + Cable Loss + Distance Factor

Distance Factor(0.009 MHz ~ 0.490 MHz) = $40\log(3m/300m) = -80$ dB

Distance Factor(0.490 MHz ~ 30 MHz) = $40\log(3m/30m) = -40$ dB

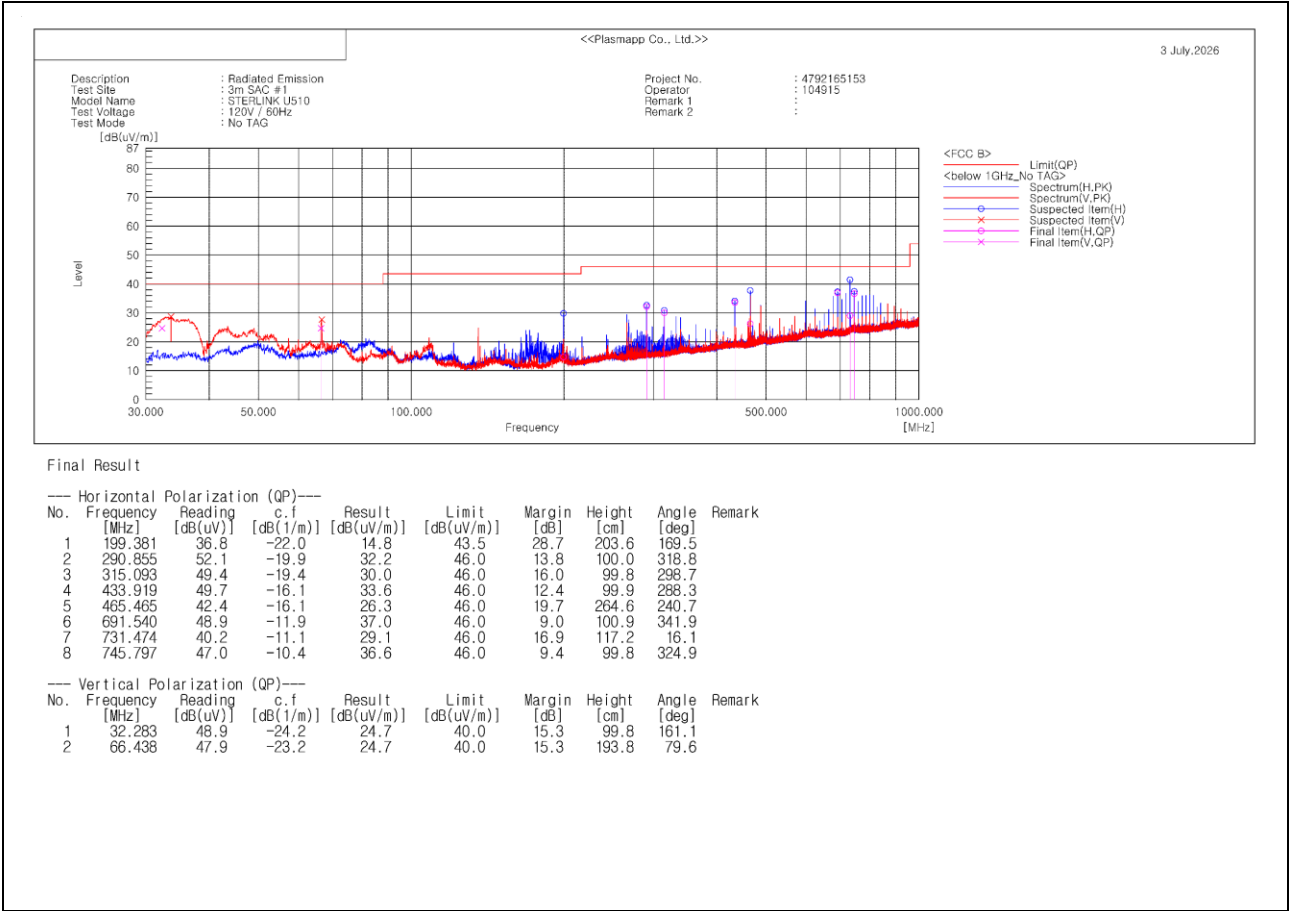
9.4. SPURIOUS EMISSION 30 MHz TO 1000 MHz

9.4.1. EUT with passive TAG mode



Note 1: c.f = Antenna Factor - Amp Gain + Cable Loss

9.4.2. EUT without passive TAG mode



Note 1: c.f = Antenna Factor - Amp Gain + Cable Loss

10. AC MAINS LINE CONDUCTED EMISSIONS

LIMITS

§15.207

(a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the band edges.

Frequency range (MHz)	Limits (dB μ V)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50
Notes: 1. The lower limit shall apply at the transition frequencies 2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.		

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

Please refer to the next page

10.1. AC Power Line

LINE 1 RESULTS

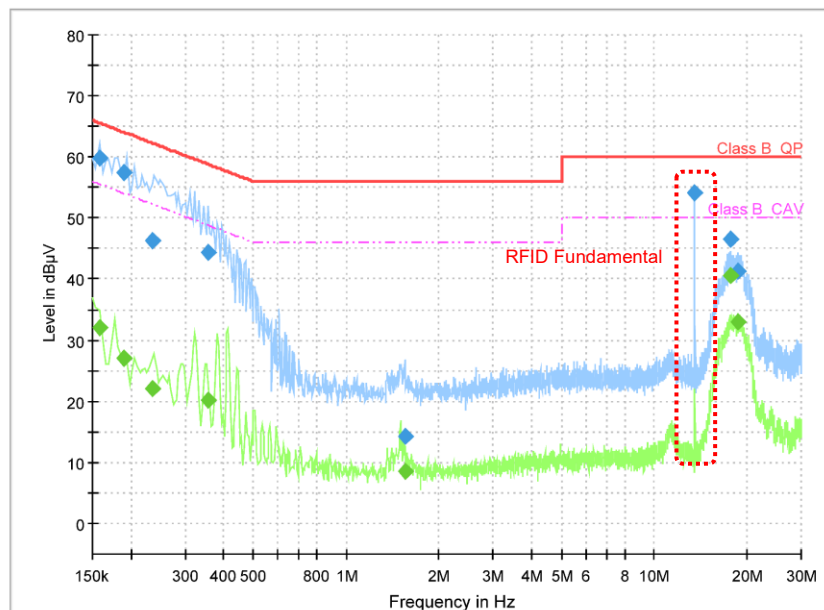
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Test Report

Common Information

Project No: 4792165153
Test Description: Shielded Room#1, Conducted Emission
Test Standard: FCC Part 15 Subpart C
Model Name: STERLINK U510
Test Voltage: AC 120 V, 60 Hz
Test Mode: RFID
Operator: 104915
Line: LINE



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.158930	59.76	---	65.52	5.76	9.000	L1	ON	9.9
0.158930	---	32.04	55.52	23.48	9.000	L1	ON	9.9
0.190720	57.55	---	64.01	6.45	9.000	L1	ON	10.0
0.190720	---	27.14	54.01	26.87	9.000	L1	ON	10.0
0.234880	46.27	---	62.28	16.00	9.000	L1	ON	9.7
0.234880	---	21.98	52.28	30.30	9.000	L1	ON	9.7
0.356160	44.41	---	58.82	14.41	9.000	L1	ON	9.8
0.356160	---	20.15	48.82	28.66	9.000	L1	ON	9.8
1.549560	14.16	---	56.00	41.84	9.000	L1	ON	9.7
1.549560	---	8.51	46.00	37.49	9.000	L1	ON	9.7
13.559540	54.15	---	60.00	5.85	9.000	L1	ON	10.0
17.650420	46.62	---	60.00	13.38	9.000	L1	ON	10.1
17.650420	---	40.61	50.00	9.39	9.000	L1	ON	10.1
18.657980	41.32	---	60.00	18.68	9.000	L1	ON	10.1
18.657980	---	32.97	50.00	17.03	9.000	L1	ON	10.1

2026-06-26

LINE 2 RESULTS

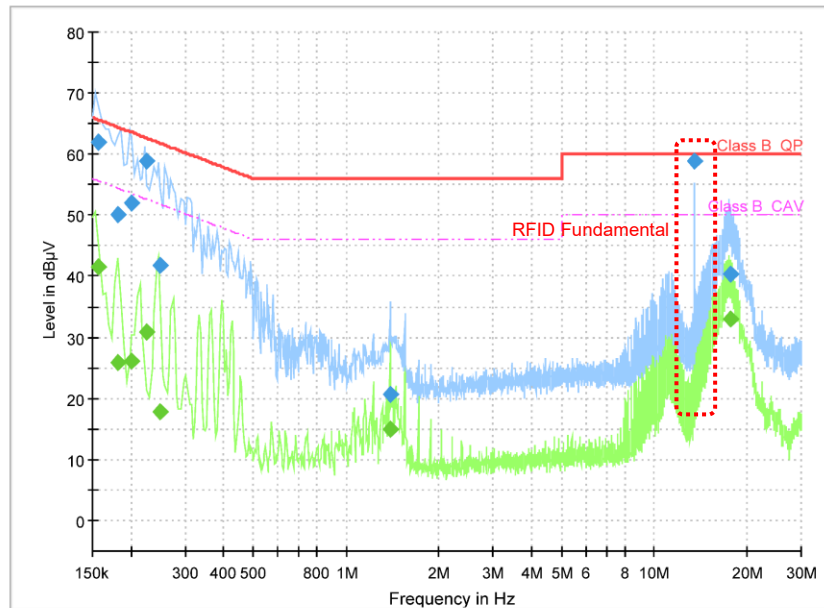
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Test Report

Common Information

Project No: 4792165153
Test Description: Shielded Room#1, Conducted Emission
Test Standard: FCC Part 15 Subpart C
Model Name: STERLINK U510
Test Voltage: AC 120 V, 60 Hz
Test Mode: RFID
Operator: 104915
Line: NEUTRAL



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.156790	62.01	---	65.63	3.62	9.000	N	ON	9.9
0.156790	---	41.54	55.63	14.09	9.000	N	ON	9.9
0.181820	49.99	---	64.40	14.41	9.000	N	ON	10.0
0.181820	---	25.86	54.40	28.54	9.000	N	ON	10.0
0.200200	51.92	---	63.60	11.68	9.000	N	ON	9.9
0.200200	---	26.12	53.60	27.48	9.000	N	ON	9.9
0.225930	58.78	---	62.60	3.82	9.000	N	ON	9.8
0.225930	---	30.84	52.60	21.76	9.000	N	ON	9.8
0.247840	41.68	---	61.83	20.15	9.000	N	ON	9.7
0.247840	---	17.84	51.83	33.99	9.000	N	ON	9.7
1.387450	20.59	---	56.00	35.41	9.000	N	ON	9.7
1.387450	---	15.01	46.00	30.99	9.000	N	ON	9.7
13.559990	58.90	---	60.00	1.10	9.000	N	ON	10.0
17.644220	40.37	---	60.00	19.63	9.000	N	ON	10.1
17.644220	---	32.93	50.00	17.07	9.000	N	ON	10.1

2026-06-26

LINE 1 RESULTS(Antenna port terminated)

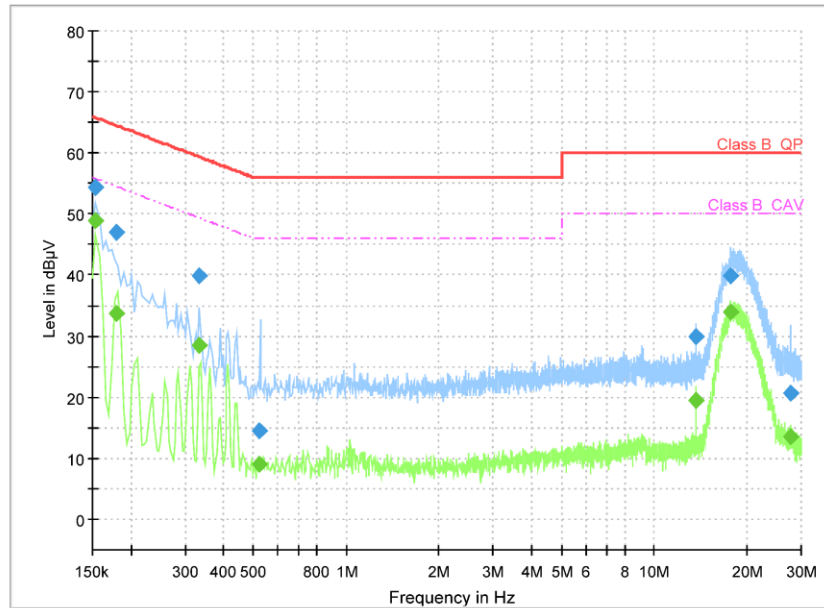
LINE

1 / 1

Test Report

Common Information

Project No: 4792165153
Test Description: Shielded Room#1, Conducted Emission
Test Standard: FCC Part 15 Subpart C
Model Name: STERLINK U510
Test Voltage: AC 120 V, 60 Hz
Test Mode: RFID / terminated
Operator: 104915
Line: LINE



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.152930	---	48.90	55.84	6.94	9.000	L1	ON	9.8
0.152930	54.34	---	65.84	11.50	9.000	L1	ON	9.8
0.179630	---	33.71	54.50	20.79	9.000	L1	ON	10.0
0.179630	46.93	---	64.50	17.57	9.000	L1	ON	10.0
0.334280	---	28.45	49.34	20.89	9.000	L1	ON	9.8
0.334280	39.77	---	59.34	19.57	9.000	L1	ON	9.8
0.521510	---	8.93	46.00	37.07	9.000	L1	ON	9.9
0.521510	14.52	---	56.00	41.48	9.000	L1	ON	9.9
13.599740	---	19.48	50.00	30.52	9.000	L1	ON	10.0
13.599740	29.96	---	60.00	30.04	9.000	L1	ON	10.0
17.602720	---	33.83	50.00	16.17	9.000	L1	ON	10.0
17.602720	39.85	---	60.00	20.15	9.000	L1	ON	10.0
27.718990	---	13.49	50.00	36.51	9.000	L1	ON	10.1
27.718990	20.57	---	60.00	39.43	9.000	L1	ON	10.1

2026-07-29

LINE 2 RESULTS(Antenna port terminated)

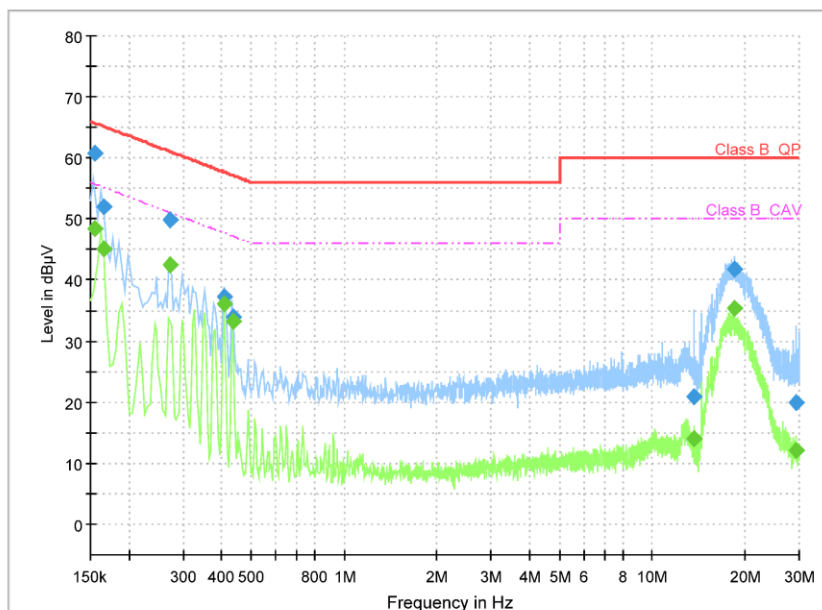
NEUTRAL

1 / 1

Test Report

Common Information

Project No: 4792165153
Test Description: Shielded Room#1, Conducted Emission
Test Standard: FCC Part 15 Subpart C
Model Name: STERLINK U510
Test Voltage: AC 120 V, 60 Hz
Test Mode: RFID / terminated
Operator: 104915
Line: NEUTRAL



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.154690	---	48.47	55.74	7.27	9.000	N	ON	9.8
0.154690	60.82	---	65.74	4.92	9.000	N	ON	9.8
0.165410	---	45.04	55.19	10.15	9.000	N	ON	10.0
0.165410	51.99	---	65.19	13.20	9.000	N	ON	10.0
0.270930	---	42.55	51.09	8.54	9.000	N	ON	9.7
0.270930	49.73	---	61.09	11.36	9.000	N	ON	9.7
0.407570	---	35.97	47.70	11.73	9.000	N	ON	9.9
0.407570	37.37	---	57.70	20.33	9.000	N	ON	9.9
0.436430	---	33.26	47.13	13.87	9.000	N	ON	9.9
0.436430	33.92	---	57.13	23.21	9.000	N	ON	9.9
13.672770	---	14.09	50.00	35.91	9.000	N	ON	10.0
13.672770	20.83	---	60.00	39.17	9.000	N	ON	10.0
18.400990	---	35.26	50.00	14.74	9.000	N	ON	10.1
18.400990	41.69	---	60.00	18.31	9.000	N	ON	10.1
29.241430	---	12.05	50.00	37.95	9.000	N	ON	10.2
29.241430	20.03	---	60.00	39.97	9.000	N	ON	10.2

2026-07-29

11. FREQUENCY STABILITY

LIMIT

§15.225

the carrier frequency stability shall not exceed ± 100 ppm

TEST PROCEDURE

ANSI C63.10 §6.8

RESULTS

Operating Frequency : 13,560,000 Hz

Power Supply (Vac)	Temp (°C)	Frequency Deviation Measured with Time Elapse Limit : ± 100 ppm = 1.356 kHz								
		Startup (MHz)	Delta (ppm)	@ 2mins (MHz)	Delta (ppm)	@ 5mins (MHz)	Delta (ppm)	@ 10mins (MHz)	Delta (ppm)	Limit (ppm)
120.00	20	13.5598409	-11.73	13.5598415	-11.69	13.5598418	-11.67	13.5598424	-11.62	100
102.00	20	13.5598429	-11.59	13.5598431	-11.57	13.5598431	-11.57	13.5598435	-11.54	100
138.00	20	13.5598435	-11.54	13.5598436	-11.53	13.5598438	-11.52	13.5598438	-11.52	100

Power Supply (Vac)	Temp (°C)	Frequency Deviation Measured with Time Elapse Limit : ± 100 ppm = 1.356 kHz								
		Startup (MHz)	Delta (ppm)	@ 2mins (MHz)	Delta (ppm)	@ 5mins (MHz)	Delta (ppm)	@ 10mins (MHz)	Delta (ppm)	Limit (ppm)
120.00	50	13.5598086	-14.12	13.5598080	-14.16	13.5598073	-14.21	13.5598068	-14.25	100
120.00	40	13.5598190	-13.35	13.5598178	-13.44	13.5598164	-13.54	13.5598148	-13.66	100
120.00	30	13.5598360	-12.09	13.5598337	-12.26	13.5598321	-12.38	13.5598300	-12.54	100
120.00	20	13.5598409	-11.73	13.5598415	-11.69	13.5598418	-11.67	13.5598424	-11.62	100
120.00	10	13.5598590	-10.40	13.5598604	-10.29	13.5598621	-10.17	13.5598638	-10.04	100
120.00	0	13.5598891	-8.18	13.5598910	-8.04	13.5598917	-7.99	13.5598920	-7.96	100
120.00	-10	13.5599042	-7.06	13.5599067	-6.88	13.5599094	-6.68	13.5599126	-6.45	100
120.00	-20	13.5599257	-5.48	13.5599286	-5.27	13.5599319	-5.02	13.5599348	-4.81	100

END OF TEST REPORT