

TEST REPORT

of

FCC Part 15 Subpart C §15.209

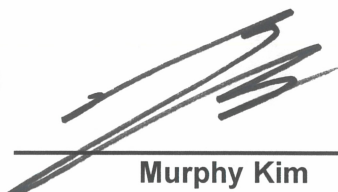
FCC ID: 2AV76-NMOK-351W

Equipment Under Test : WIRELESS POWER CHARGING SYSTEM
Model Name : NMOK-351W
Variant Model Name(s) : -
Applicant : NIDEC MOBILITY KOREA CORPORATION
Manufacturer : NIDEC MOBILITY KOREA CORPORATION
Date of Receipt : 2023.05.02
Date of Test(s) : 2023.05.03 ~ 2023.11.14
Date of Issue : 2023.11.14

In the configuration tested, the EUT complied with the standards specified above. This test report does not assure KOLAS accreditation.

- 1) The results of this test report are effective only to the items tested.
 - 2) The SGS Korea is not responsible for the sampling, the results of this test report apply to the sample as received.
 - 3) This test report cannot be reproduced, except in full, without prior written permission of the Company.
 - 4) The data marked ※ in this report was provided by the customer and may affect the validity of the test results.
- We are responsible for all the information of this test report except for the data(※) provided by the customer.

Tested by:


Murphy Kim

Technical
Manager:


Inho Park

SGS Korea Co., Ltd. Gunpo Laboratory



SGS Korea Co., Ltd.

4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807

Tel. +82 31 428 5700 / Fax. +82 31 427 2370

<http://www.sgsgroup.kr>

Report Number: F690501-RF-RTL004556

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1. General Information

1.1. Testing Laboratory

SGS Korea Co., Ltd. (Gunpo Laboratory)

- 10-2, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807
- 4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807
- Designation number: KR0150

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Phone No. : +82 31 688 0901

Fax No. : +82 31 688 0921

1.2. Details of Applicant

Applicant : NIDEC MOBILITY KOREA CORPORATION

Address : 790-12, Bogaewonsam-ro, Bogae-myeon, Anseong-si, Gyeonggi-do, South Korea, 17507

Contact Person : Nam, Sang-il

Phone No. : +82 2 850 5789

1.3. Details of Manufacturer

Company : Same as applicant

Address : Same as applicant

1.4. Description of EUT

Kind of Product	WIRELESS POWER CHARGING SYSTEM	
Model Name	NMOK-351W	
Serial Number	0001	
Power Supply	DC 12 V	
Operation Mode	5 W, 10 W, Idle	
Frequency Range	5 W	127 ~ 129 kHz
	10 W	127 ~ 129 kHz
	Idle	127 ~ 129 kHz
Antenna Type	Coil Antenna	
Antenna Part Number	N/A	
H/W Version	1.00	
S/W Version	1.00	

1.5. Test Equipment List

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Interval	Cal. Due
Spectrum Analyzer	R&S	FSV30	103210	Dec. 07, 2022	Annual	Dec. 07, 2023
DC Power Supply	Agilent	U8002A	MY50020026	Nov. 30, 2022	Annual	Nov. 30, 2023
Signal Generator	R&S	SMBV100A	259067	Jun. 15, 2023	Annual	Jun. 15, 2024
Amplifier	H.P.	8447F	2944A03909	Aug. 04, 2023	Annual	Aug. 04, 2024
Loop Antenna	Schwarzbeck Mess-Elektronik	FMZB 1519	1519-039	Aug. 21, 2023	Biennial	Aug. 21, 2025
Bilog Antenna	Schwarzbeck Mess-Elektronik	VULB9163	01126	Feb. 09, 2023	Annual	Feb. 09, 2024
Test Receiver	R&S	ESU26	100109	Jan. 18, 2023	Annual	Jan. 18, 2024
Turn Table	Innco systems GmbH	DS 1200 S	N/A	N.C.R.	N/A	N.C.R.
Controller	Innco systems GmbH	CONTROLLER CO3000-4P	CO3000/963/38 330516/L	N.C.R.	N/A	N.C.R.
Antenna Mast	Innco systems GmbH	MA4640-XP-ET	MA4640/536/38 330516/L	N.C.R.	N/A	N.C.R.
Anechoic Chamber	SY Corporation	L × W × H (9.6 m × 6.4 m × 6.6 m)	N/A	N.C.R.	N/A	N.C.R.
Coaxial Cable	RFONE	PL360P-292M292M-1.5M-A	20200324002	Oct. 14, 2023	Semi-Annual	Apr. 14, 2024
Coaxial Cable	RFONE	MWX221-NMSNMS (4 m)	J1023142	Oct. 04, 2023	Semi-Annual	Apr. 04, 2024
Coaxial Cable	Qualwave Inc.	QA500-18-NN-10 (10 m)	22200114	Oct. 04, 2023	Semi-Annual	Apr. 04, 2024

► Support Equipment

Description	Manufacturer	Model	FCC ID
SAMSUNG Mobile Phone	Samsung Electronics Co., Ltd.	SM-N975U	A3LSMN975U

Note;

- For equipment listed above that has a calibration date or calibration due date that falls within the test date range, care was taken to ensure that this equipment was used after the calibration date and before the calibration due date.

1.6. Summary of Test Results

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 15 Subpart C		
Section	Test Item(s)	Result
15.209	Radiated Emission, Spurious Emission and Field Strength of Fundamental	Complied
2.1049	20 dB Bandwidth	Complied
15.207	AC Power Line Conducted Emission	N/A ¹⁾

Note;

1) The AC power line test was not performed because the EUT use battery power for operation and which do not operate from the AC power lines.

1.7. Test Procedure(s)

The measurement procedures described in the American National Standard of Procedure for Compliance Testing of unlicensed Wireless Devices (ANSI C63.10-2013).

1.8. Sample Calculation

Where relevant, the following sample calculation is provided:

Field strength level (dB μ V/m) = Measured level (dB μ V) + Antenna factor (dB/m) + Cable loss (dB) + (AMP (dB))

1.9. Test Report Revision

Revision	Report Number	Date of Issue	Description
0	F690501-RF-RTL004556	2023.11.14	Initial

1.10. Measurement Uncertainty

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

Parameter	Uncertainty	
20 dB Bandwidth	0.01 kHz	
Radiated Emission, 9 kHz to 30 MHz	H	3.60 dB
	V	3.60 dB
Radiated Emission, below 1 GHz	H	4.60 dB
	V	4.90 dB

All measurement uncertainty values are shown with a coverage factor of $k=2$ to indicate a 95 % level of confidence.

1.11. Worst Case of Test Configurations

Charging mode with client device	Mode		Description
Model: SM-N975U FCC ID: A3LSMN975U	5 W	10 W	1 % of battery
	127 ~ 129 kHz	127 ~ 129 kHz	50 % of battery 99 % of battery

Mode	Battery	Frequency (kHz)	Detect Mode	Reading (dBμV)
5 W	1 %	127 ~ 129	Average	61.40
	50 %			61.30
	99 %			61.30
10 W	1 %	127 ~ 129	Average	63.70
	50 %			63.50
	99 %			63.30

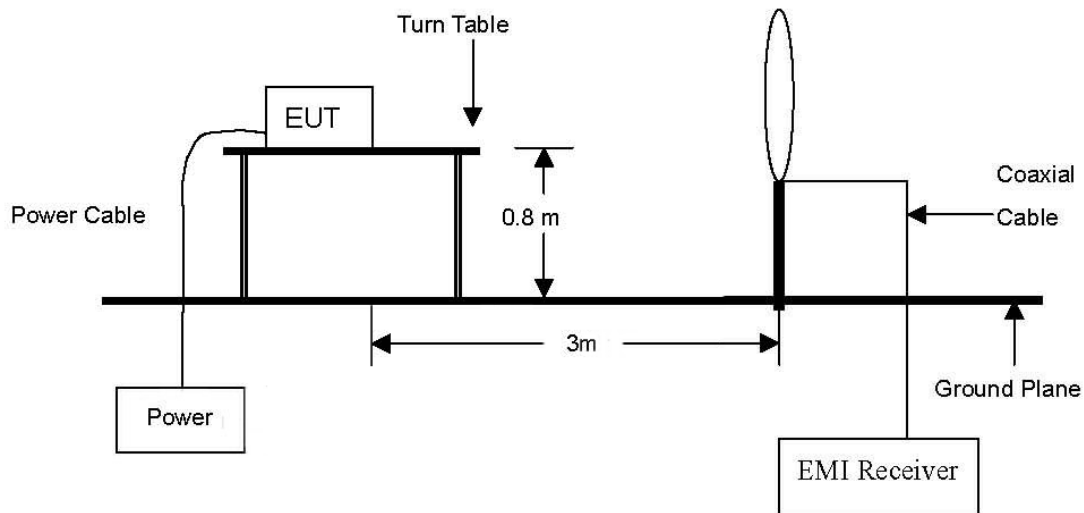
Note;

- EUT was investigated with client device under normal charging condition as above then worst value was only reported.

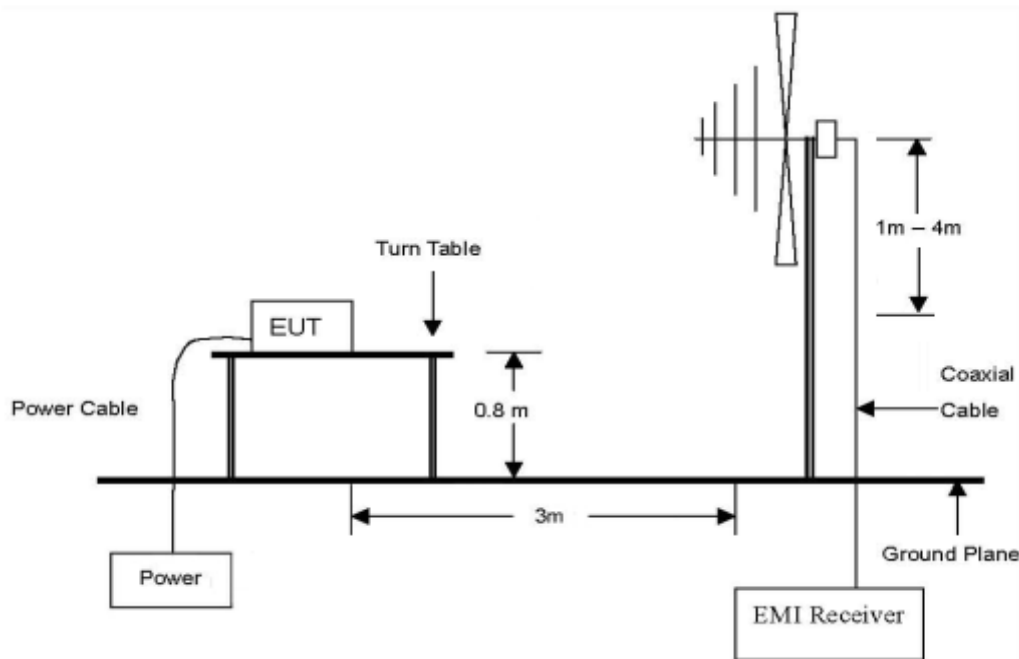
2. Field Strength of Fundamental and Spurious Emission

2.1. Test Setup

The diagram below shows the test setup that is utilized to make the measurements for emission from 9 MHz to 30 MHz.



The diagram below shows the test setup that is utilized to make the measurements for emission from 30 MHz to 1 GHz.



2.2. Limit

2.2.1. Radiated emission limits, general requirements

According to §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	2 400/F(kHz)	300
0.490-1.705	24 000/F(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

2.3. Test Procedures

Radiated emissions from the EUT were measured according to the dictates of ANSI C63.10:2013.

2.3.1. Test Procedures for emission from 9 kHz to 30 MHz

- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter anechoic chamber test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- Then antenna is a loop antenna is fixed at one meter above the ground to determine the maximum value of the field strength. Both parallel and perpendicular of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Quasi Peak and Average Detect Function and Specified Bandwidth with Maximum Hold Mode.

2.3.2. Test Procedures for emission from 30 MHz to 1 000 MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter anechoic chamber test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. During performing radiated emission below 1 GHz, the EUT was set 3 meters away from the interference receiving antenna, which was mounted on the top of a variable-height antenna tower. During performing radiated emission above 1 GHz, the EUT was set 3 meter away from the interference-receiving antenna.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. For measurements below 1 GHz resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

2.4. Field Strength of Fundamental Test Result

Ambient temperature : (23 ± 1) °C
Relative humidity : 47 % R.H.

The following table shows the highest levels of radiated emissions on between polarizations of horizontal and vertical.

Test Condition: 5 W Operating mode with client device (1 % battery status of client device)

Radiated Emissions			Ant.	Correction Factors		Total		Limit	
Frequency (MHz)	Reading (dBμV)	Detect Mode	Pol.	AF (dB/m)	CL (dB)	Actual (dBμV/m) at 3 m	Actual (dBμV/m) at 300 m	Limit (dBμV/m) at 300 m	Margin (dB)
Operating Frequency: 127 ~ 129 kHz									
0.128	61.40	Average	H	18.20	0.01	79.61	-0.39	25.46	25.85

Test Condition: 10 W Operating mode with client device (1 % battery status of client device)

Radiated Emissions			Ant.	Correction Factors		Total		Limit	
Frequency (MHz)	Reading (dBμV)	Detect Mode	Pol.	AF (dB/m)	CL (dB)	Actual (dBμV/m) at 3 m	Actual (dBμV/m) at 300 m	Limit (dBμV/m) at 300 m	Margin (dB)
Operating Frequency: 127 ~ 129 kHz									
0.128	63.70	Average	H	18.20	0.01	81.91	1.91	25.46	23.55

Test Condition: Idle mode

Radiated Emissions			Ant.	Correction Factors		Total		Limit	
Frequency (MHz)	Reading (dBμV)	Detect Mode	Pol.	AF (dB/m)	CL (dB)	Actual (dBμV/m) at 3 m	Actual (dBμV/m) at 300 m	Limit (dBμV/m) at 300 m	Margin (dB)
Operating Frequency: 127 ~ 129 kHz									
0.128	68.70	Average	H	18.20	0.01	86.91	6.91	25.46	18.55

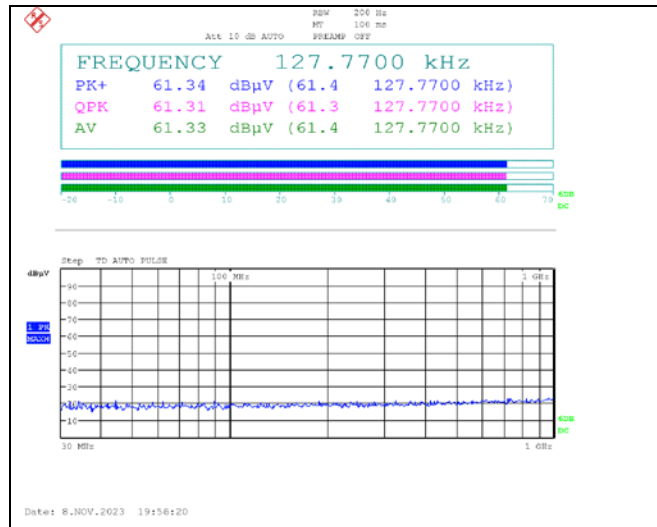
Remark;

- According to §15.31(f)(2),
- 300 m Result (dBμV/m) = 3 m Result (dBμV/m) - 40log (300/3) (dBμV/m).
- According to field strength table of general requirement in §15.209(a), field strength limits below 1.705 MHz were calculated as below.
- 9 kHz to 490 kHz: 20log (2 400 / F (kHz)) at 300 m (dBμV/m)
- 490 kHz to 1.705 MHz: 20log (24 000/F (kHz)) at 30 m (dBμV/m)
- According to §15.209(d), the measurements were tested by using Quasi peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1 GHz in these three bands on measurements employing an average detector.
- The limit above was calculated based on table of §15.209(a).

- Test plots

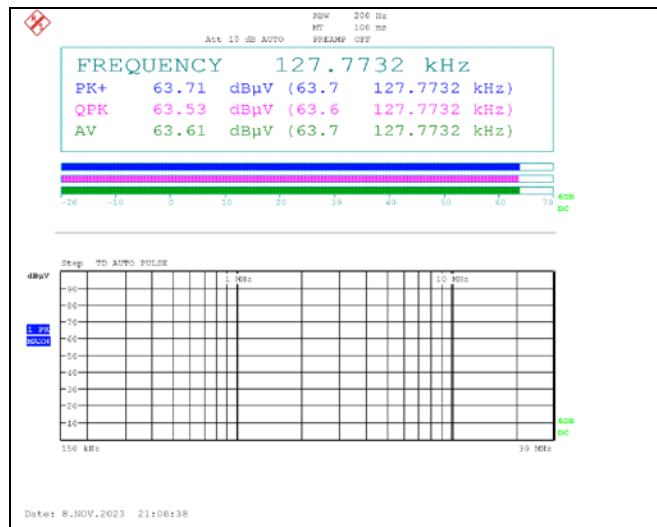
Test Condition: 5 W Operating mode with client device (1 % battery status of client device)

Operating Frequency: 127 ~ 129 kHz



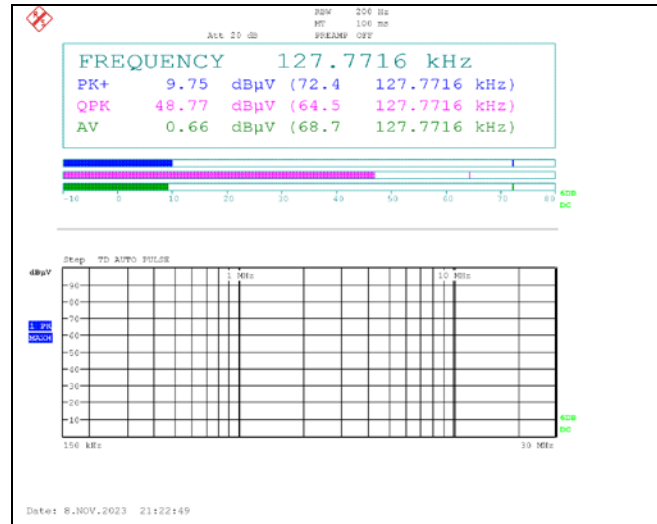
Test Condition: 10 W Operating mode with client device (1 % battery status of client device)

Operating Frequency: 127 ~ 129 kHz



Test Condition: Idle mode

Operating Frequency: 127 ~ 129 kHz



2.5. Spurious Emission Test Result

Ambient temperature : (23 ± 1) °C
Relative humidity : 47 % R.H.

The following table shows the highest levels of radiated emissions on between polarizations of horizontal and vertical.

Test Condition: 5 W Operating mode with client device (1 % battery status of client device)

Operating Frequency: 127 ~ 129 kHz

Below 30 MHz

- Horizontal

Radiated Emissions			Ant.	Correction Factors		Total		Limit	
Frequency (MHz)	Reading (dBμV)	Detect Mode	Pol.	AF (dB/m)	CL (dB)	Actual (dBμV/m) at 3 m	Actual (dBμV/m) at 300 m or 30 m	Limit (dBμV/m) at 300 m or 30 m	Margin (dB)
0.019	29.00	Average	H	18.73	0.04	47.77	-32.23	42.03	74.26
0.034	37.10	Average	H	18.39	0.03	55.52	-24.48	36.97	61.45
0.064	9.60	Average	H	18.30	0.02	27.92	-52.08	31.48	83.56
0.090	16.30	Quasi Peak	H	18.23	0.01	34.54	-5.46	48.52	53.98
1.158	17.40	Quasi Peak	H	18.43	0.43	36.26	-3.74	26.33	30.07
2.445	12.10	Quasi Peak	H	18.69	0.47	31.26	-8.74	29.54	38.28
Above 3.000	Not detected	-	-	-	-	-	-	-	-

- Vertical

Radiated Emissions			Ant.	Correction Factors		Total		Limit	
Frequency (MHz)	Reading (dBμV)	Detect Mode	Pol.	AF (dB/m)	CL (dB)	Actual (dBμV/m) at 3 m	Actual (dBμV/m) at 300 m or 30 m	Limit (dBμV/m) at 300 m or 30 m	Margin (dB)
0.019	45.60	Average	V	18.73	0.04	64.37	-15.63	42.03	57.66
0.034	38.20	Average	V	18.39	0.03	56.62	16.62	56.97	40.35
0.047	32.80	Average	V	18.35	0.03	51.18	-28.82	34.16	62.98
0.068	36.73	Average	V	18.29	0.02	55.04	15.04	50.95	35.91
0.594	29.70	Quasi Peak	V	18.32	0.24	48.26	8.26	32.13	23.87
1.194	18.80	Quasi Peak	V	18.44	0.43	37.67	-2.33	26.06	28.39
3.067	21.20	Quasi Peak	V	18.81	0.39	40.40	0.40	29.54	29.14
Above 4.000	Not detected	-	-	-	-	-	-	-	-

Above 30 MHz

Radiated Emissions			Ant	Correction Factors		Total	Limit	
Frequency (MHz)	Reading (dB μ V)	Detect Mode	Pol.	AF (dB/m)	AMP + CL (dB)	Actual (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
38.77	30.80	Peak	H	18.03	-27.96	20.87	40.00	19.13
40.95	41.60	Peak	V	18.69	-27.94	<u>32.35</u>	40.00	7.65
168.31	36.70	Peak	H	14.60	-26.92	24.38	43.50	19.12
270.96	37.80	Peak	H	17.52	-26.28	29.04	46.00	16.96
885.06	30.90	Peak	V	22.30	-24.68	28.52	46.00	17.48
Above 900.00	Not detected	-	-	-	-	-	-	-

Test Condition: 10 W Operating mode with client device (1 % battery status of client device)

Operating Frequency: 127 ~ 129 MHz

Below 30 MHz

- Horizontal

Radiated Emissions			Ant.	Correction Factors		Total		Limit	
Frequency (MHz)	Reading (dBμV)	Detect Mode	Pol.	AF (dB/m)	CL (dB)	Actual (dBμV/m) at 3 m	Actual (dBμV/m) at 300 m or 30 m	Limit (dBμV/m) at 300 m or 30 m	Margin (dB)
0.010	25.30	Average	H	19.00	0.04	44.34	-35.66	47.60	83.26
0.019	32.50	Average	H	18.73	0.04	51.27	-28.73	42.03	70.76
0.034	37.50	Average	H	18.39	0.03	55.92	15.92	56.97	41.05
0.067	23.00	Average	H	18.29	0.02	41.31	1.31	29.54	28.23
0.580	12.10	Quasi Peak	H	18.32	0.23	30.65	-9.35	32.34	41.69
1.106	17.20	Quasi Peak	H	18.42	0.42	36.04	-3.96	26.73	30.69
2.399	12.40	Quasi Peak	H	18.68	0.47	31.55	-8.45	29.54	37.99
Above 3.000	Not detected	-	-	-	-	-	-	-	-

- Vertical

Radiated Emissions			Ant.	Correction Factors		Total		Limit	
Frequency (MHz)	Reading (dBμV)	Detect Mode	Pol.	AF (dB/m)	CL (dB)	Actual (dBμV/m) at 3 m	Actual (dBμV/m) at 300 m or 30 m	Limit (dBμV/m) at 300 m or 30 m	Margin (dB)
0.019	43.50	Average	V	18.73	0.04	62.27	-17.73	42.03	59.76
0.034	38.60	Average	V	18.39	0.03	57.02	-22.98	36.97	59.95
0.046	30.20	Average	V	18.35	0.03	48.58	-31.42	34.35	65.77
0.068	36.30	Average	V	18.29	0.02	54.61	-25.39	30.95	56.34
1.154	19.10	Quasi Peak	V	18.43	0.43	37.96	-2.04	26.36	28.40
2.351	10.20	Quasi Peak	V	18.67	0.48	29.35	-10.65	29.54	40.19
3.066	20.81	Quasi Peak	V	18.81	0.39	40.01	0.01	29.54	29.53
Above 4.000	Not detected	-	-	-	-	-	-	-	-

**SGS Korea Co., Ltd.**

4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807
Tel. +82 31 428 5700 / Fax. +82 31 427 2370
<http://www.sgsgroup.kr>

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Above 30 MHz

Radiated Emissions			Ant	Correction Factors		Total	Limit	
Frequency (MHz)	Reading (dB μ V)	Detect Mode	Pol.	AF (dB/m)	AMP + CL (dB)	Actual (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
39.98	45.00	Peak	V	18.39	-27.95	35.44	40.00	4.56
167.74	37.60	Peak	H	14.60	-26.92	25.28	43.50	18.22
284.18	37.70	Peak	H	17.88	-26.17	29.41	46.00	16.59
926.36	30.40	Peak	V	22.80	-24.59	28.61	46.00	17.39

Test Condition: Idle mode

Operating Frequency: 127 ~ 129 MHz

Below 30 MHz

- Horizontal

Radiated Emissions			Ant.	Correction Factors		Total		Limit	
Frequency (MHz)	Reading (dBμV)	Detect Mode	Pol.	AF (dB/m)	CL (dB)	Actual (dBμV/m) at 3 m	Actual (dBμV/m) at 300 m or 30 m	Limit (dBμV/m) at 300 m or 30 m	Margin (dB)
0.019	30.20	Average	H	18.73	0.04	48.97	-31.03	42.03	73.06
0.034	37.20	Average	H	18.39	0.03	55.62	-24.38	36.97	61.35
0.067	22.00	Average	H	18.29	0.02	40.31	-39.69	31.08	70.77
0.092	12.80	Quasi Peak	H	18.22	0.01	31.03	-8.97	48.33	57.30
1.157	17.70	Quasi Peak	H	18.43	0.43	36.56	-3.44	26.34	29.78
2.398	11.50	Quasi Peak	H	18.68	0.47	30.65	-9.35	29.54	38.89
Above 3.000	Not detected	-	-	-	-	-	-	-	-

- Vertical

Radiated Emissions			Ant.	Correction Factors		Total		Limit	
Frequency (MHz)	Reading (dBμV)	Detect Mode	Pol.	AF (dB/m)	CL (dB)	Actual (dBμV/m) at 3 m	Actual (dBμV/m) at 300 m or 30 m	Limit (dBμV/m) at 300 m or 30 m	Margin (dB)
0.019	45.20	Average	V	18.73	0.04	63.97	-16.03	42.03	58.06
0.048	33.40	Average	V	18.35	0.03	51.78	-28.22	33.98	62.20
0.068	34.10	Average	V	18.29	0.02	52.41	-27.59	30.95	58.54
0.136	24.30	Average	V	18.20	0.01	42.51	-37.49	24.93	62.42
1.105	18.10	Quasi Peak	V	18.42	0.42	36.94	-3.06	26.74	29.80
Above 2.000	Not detected	-	-	-	-	-	-	-	-

Above 30 MHz

Radiated Emissions			Ant	Correction Factors		Total	Limit	
Frequency (MHz)	Reading (dB μ V)	Detect Mode	Pol.	AF (dB/m)	AMP + CL (dB)	Actual (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
41.76	30.60	Peak	V	18.85	-27.93	21.52	40.00	18.48
170.21	37.60	Peak	H	14.68	-26.91	<u>25.37</u>	43.50	18.13
Above 200.00	Not detected	-	-	-	-	-	-	-

Remark;

1. According to §15.31 (f)(2),
 - 300 m Result (dB μ V/m) = 3 m Result (dB μ V/m) - 40log (300/3) (dB μ V/m)
 - 30 m Result (dB μ V/m) = 3 m Result (dB μ V/m) - 40log (30/3) (dB μ V/m)
2. According to field strength table of general requirement in §15.209 (a), field strength limits below 1.705 MHz were calculated as below.
 - 9 kHz to 490 kHz: 20log (2 400 / F (kHz)) at 300 m (dB μ V/m)
 - 490 kHz to 1.705 MHz: 20log (24 000 / F (kHz)) at 30 m (dB μ V/m)
3. According to §15.209 (d), the measurements were tested by using Quasi peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1 GHz in these three bands on measurements employing an average detector.
4. The limit above was calculated based on table of §15.209 (a).
5. Radiated spurious emission measurement as below 30 MHz.
 (Actual (dB μ A/m) at 3m = Reading (dB μ V) + AF (dB/m) + CL (dB))
6. Radiated spurious emission measurement as above 30 MHz.
 (Actual (dB μ A/m) = Reading (dB μ V) + AF (dB/m) + CL (dB) + AMP (dB))
7. According to §15.31(o), emission levels are not report much lower than the limits by over 20 dB.

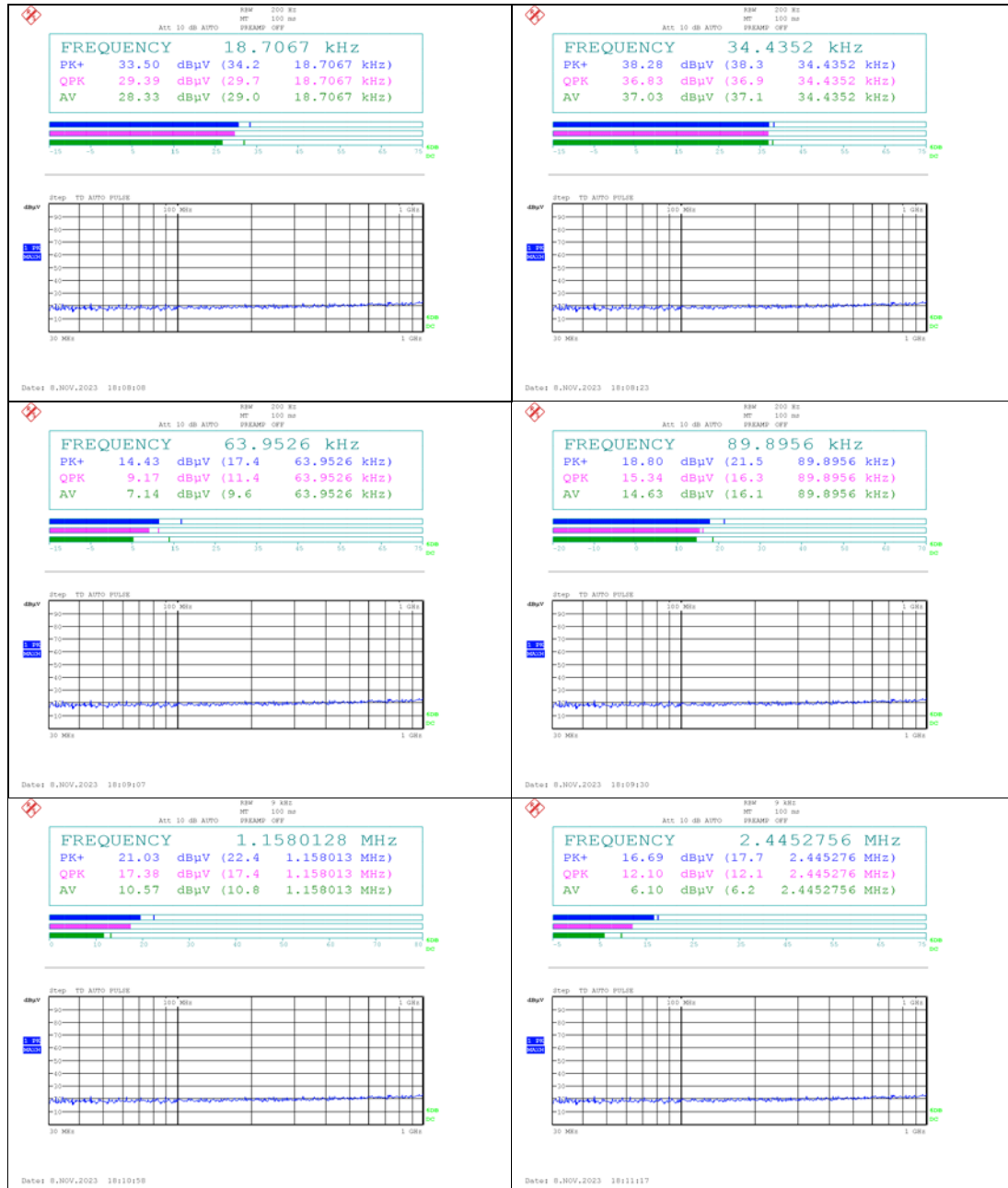
- Test plots

Test Condition: 5 W Operating mode with client device (1 % battery status of client device)

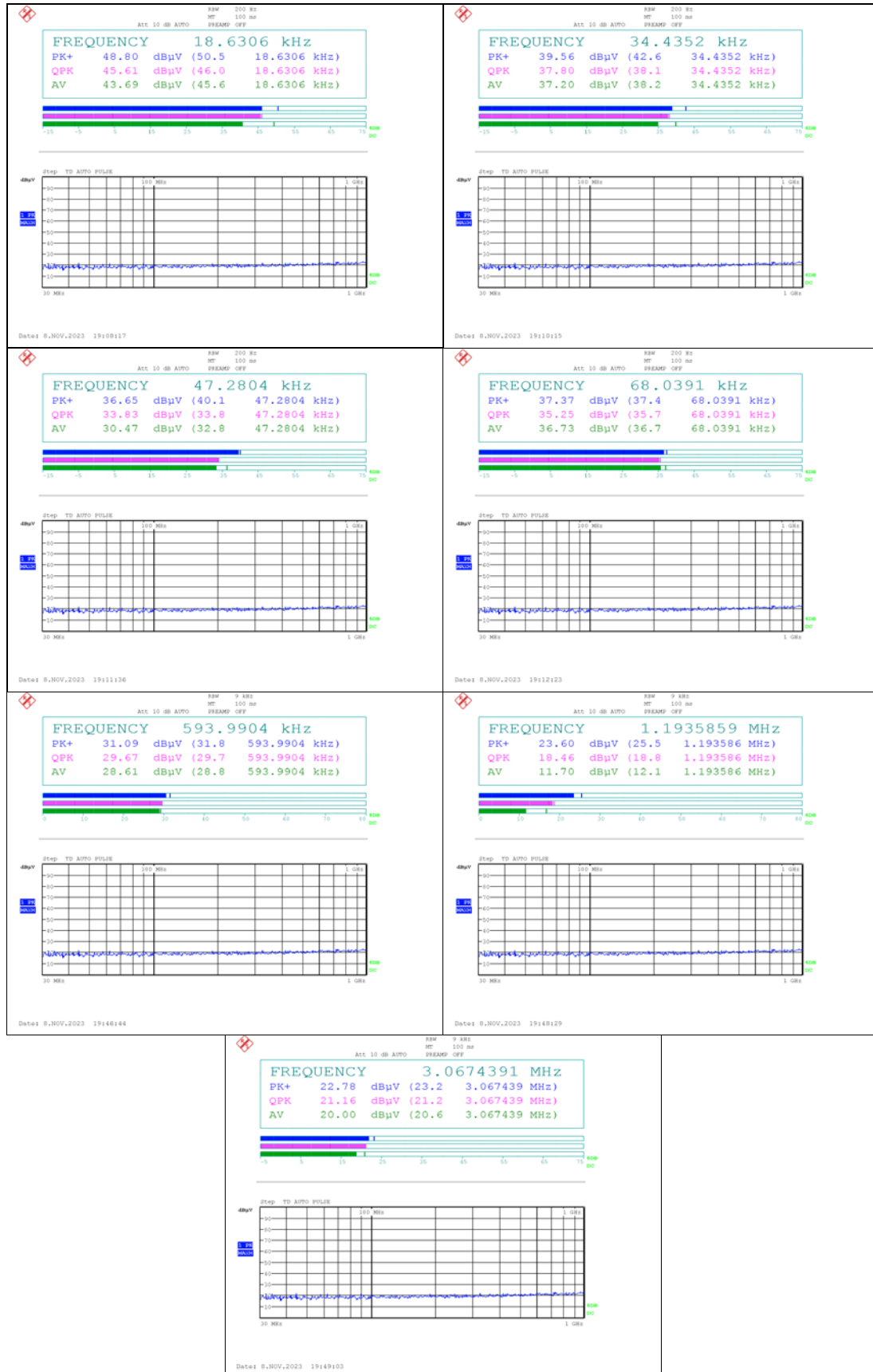
Operating Frequency: 127 ~ 129 MHz

Below 30 MHz

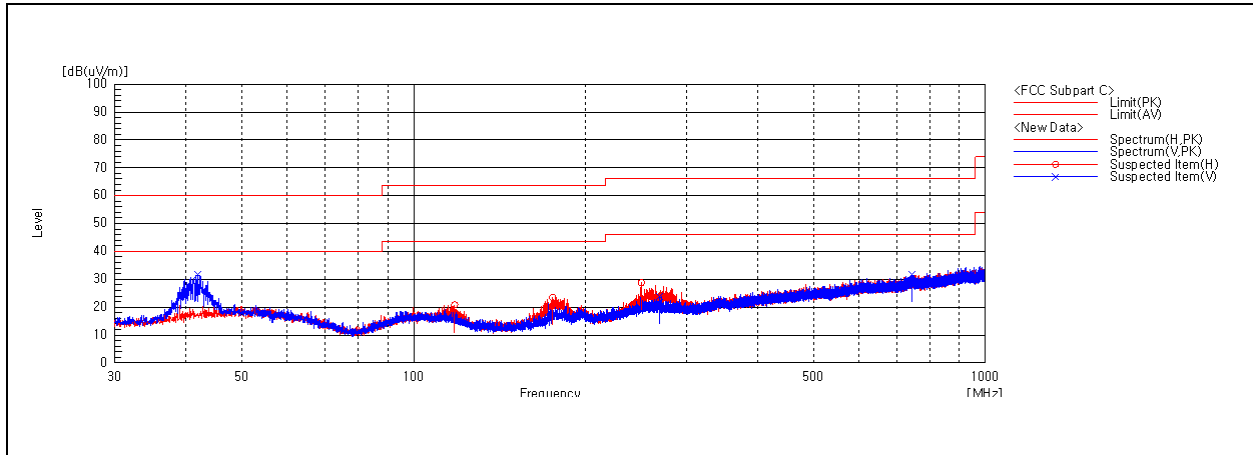
- Horizontal



- Vertical



Above 30 MHz



Remark;

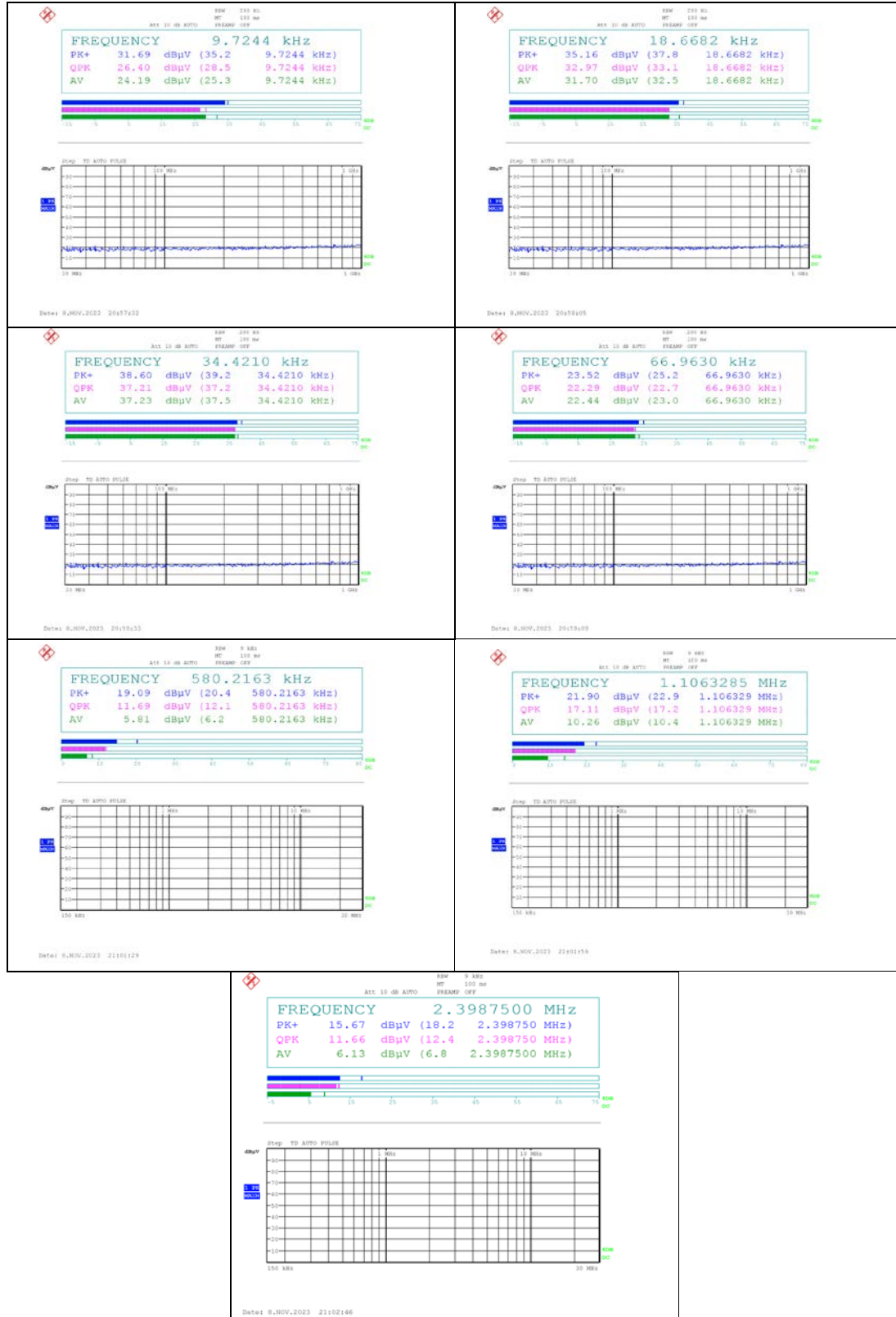
- Traces shown in the plot were made by using a peak detector.

Test Condition: 10 W Operating mode with client device (1 % battery status of client device)

Operating Frequency: 127 ~ 129 MHz

Below 30 MHz

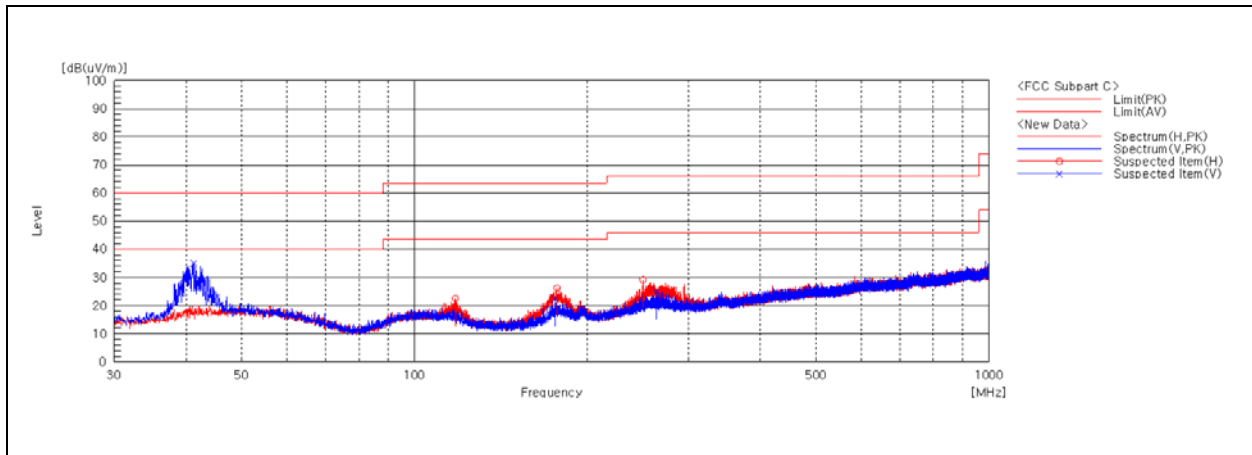
- Horizontal



Below 30 MHz
- Vertical



Above 30 MHz



Remark;

- Traces shown in the plot were made by using a peak detector.

Test Condition: Idle mode

Operating Frequency: 127 ~ 129 MHz

Below 30 MHz

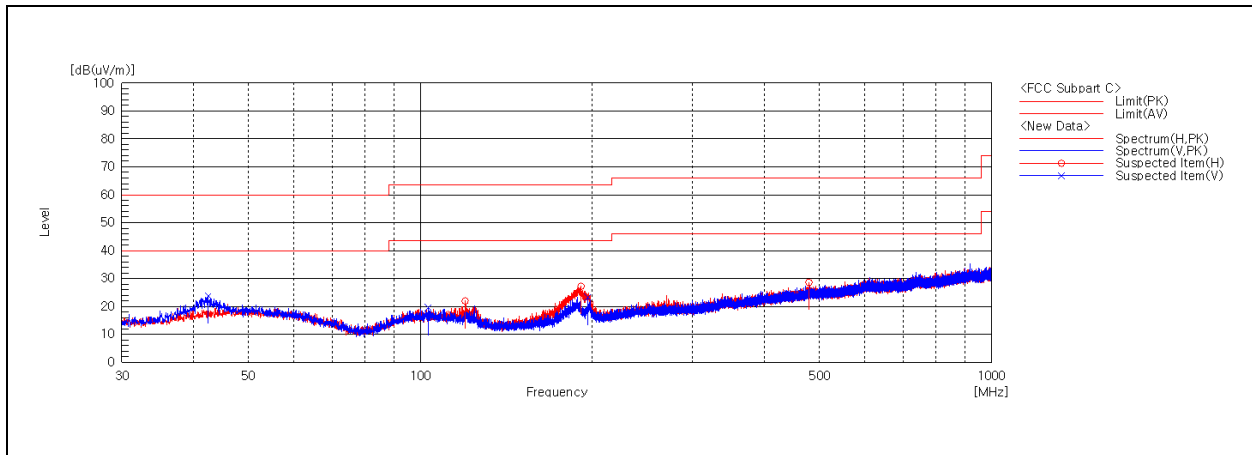
- Horizontal



- Vertical



Above 30 MHz

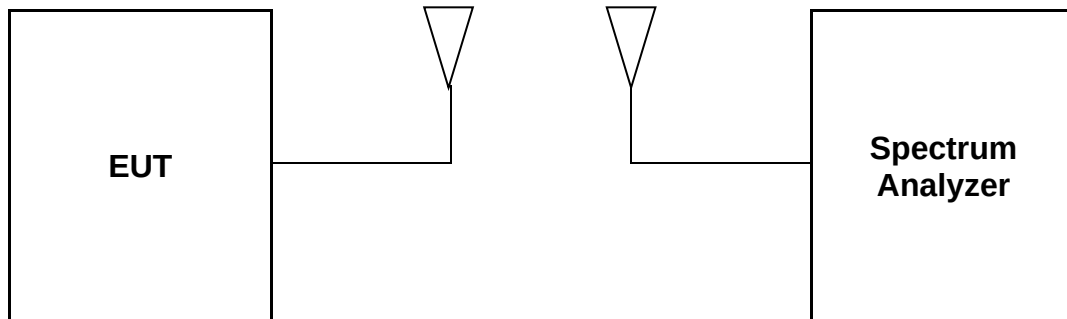


Remark;

- Traces shown in the plot were made by using a peak detector.

3. 20 dB Bandwidth

3.1. Test Setup



3.2. Limit

None; for reporting purposed only

3.3. Test Procedure

- a. Span = set to capture all products of the modulation process, including the emission skirts.
RBW = 200 Hz, VBW = 200 Hz, Sweep = auto, Detector = peak, Trace = max hold.
- b. The marker-to-peak function to set the mark to the peak of the emission. Use the marker-delta function to measure 20 dB down one side of the emission. Reset the function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is 20 dB bandwidth of the emission.

3.4. Test Result

Ambient temperature : $(23 \pm 1) ^\circ\text{C}$
 Relative humidity : 47 % R.H.

Test Condition: 5 W Operating mode with client device (1 % battery status of client device)

Frequency (kHz)	EUT Status	20 dB Bandwidth (kHz)	Limit
127 ~ 129	With client device (1 % battery status of client device)	0.521	Reporting proposed only

Test Condition: 10 W Operating mode with client device (1 % battery status of client device)

Frequency (kHz)	EUT Status	20 dB Bandwidth (kHz)	Limit
127 ~ 129	With client device (1 % battery status of client device)	0.521	Reporting proposed only

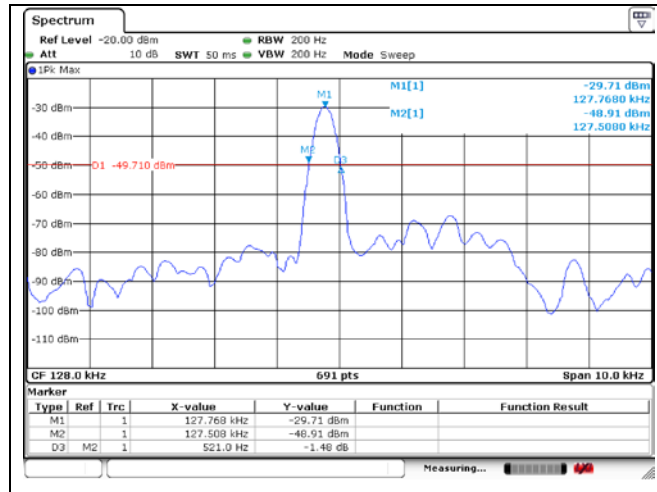
Test Condition: Idle mode

Frequency (kHz)	EUT Status	20 dB Bandwidth (kHz)	Limit
127 ~ 129	Without client device	0.521	Reporting proposed only

- Test plots

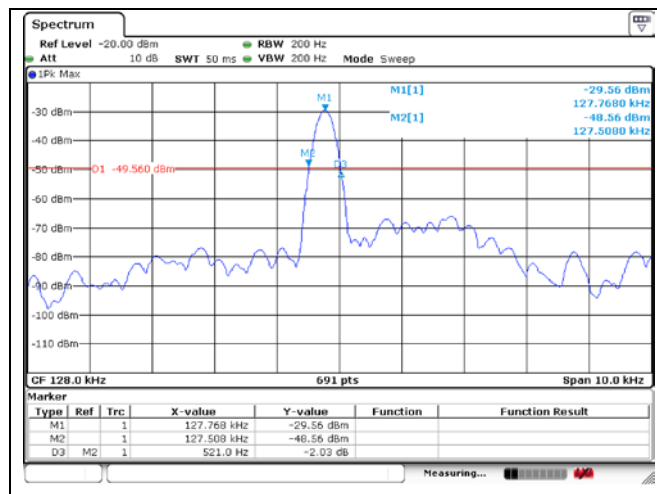
Test Condition: 5 W Operating mode with client device (1 % battery status of client device)

Operating Frequency: 127 ~ 129 kHz



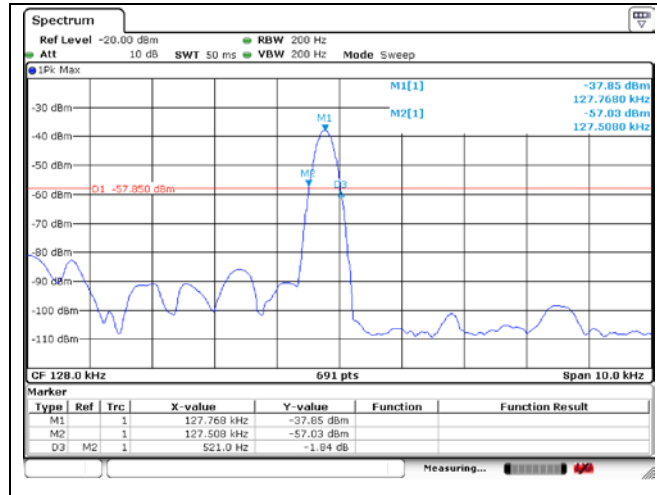
Test Condition: 10 W Operating mode with client device (1 % battery status of client device)

Operating Frequency: 127 ~ 129 kHz



Test Condition: Idle mode

Operating Frequency: 127 ~ 129 kHz



- End of the Test Report -