

TEST REPORT

KCTL Inc. 65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea TEL: 82-31-285-0894 FAX: 82-505-299-8311 <u>www.kctl.co.kr</u>		Report No.: KR22-SRF0002-B Page (1) of (20)	CTL KCTL					
1. Client								
∘ Name	: Suprema Inc.							
 Addres 	s : 17F-5, Parkview Seongnam-si, Gy	officetower,, 248, Jeongja veonggi-do 13554 Korea (iil-ro, Bundang-gu, (Republic Of)					
 Date of 	Receipt : 2021-04-06							
2. Use of Re	cort : Certification							
3. Name of P	roduct / Model : Bid	oStation2 / BS2-OMPW						
4. Manufactu	rer / Country of Origin : Su	iprema <mark>Inc./ Ko</mark> rea						
5. FCC ID	: TM	WBS2-OMPW2						
6. IC Certific	ate No.	080-BS2-OMPW2						
7. Date of Te	st : 2021-06-30 to 2	2021-07-09						
8. Location of	of Test : ■ Permanent Test	ing Lab □ On Site T	esting n-si Gveonogi-do 16677 Korea)					
9. Test meth	od used : FCC Part 15 Su RSS-210 Issue RSS-Gen Issue	ubpart <mark>C, 15.</mark> 225 10 December 2019 5 April 2018						
10. Test Res	ult : Refer to the tes	t result in the test repor	t					
	Tested by	Technical M	anager					
Affirmation	Name : Eunseong Lim (Signature) Name : Hyer	onsu Jang (Signature)					
		0	2022-02-25					
	KCTL Inc.							
As a test re antee the wl written agree	As a test result of the sample which was submitted from the client, this report does not guar antee the whole product quality. This test report should not be used and copied without a written agreement by KCTL Inc.							

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REPORT REVISION HISTORY

Date	Revision	Page No
2022-01-14	Originally issued	-
2022-02-24	Updated	13
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General remarks for test reports

Statement concerning the uncertainty of the measurement systems used for the tests

(may be required by the product standard or client)

Internal procedure used for type testing through which traceability of the measuring uncertainty has been established:

Procedure number, issue date and title:

Calculations leading to the reported values are on file with the testing laboratory that conducted the testing.

Statement not required by the standard or client used for type testing

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1. General information

Client	:	Suprema Inc.
Address	:	17F-5, Parkview officetower, 248, Jeongjail-ro, Bundang-gu, Seongnam-si,
		Gyeonggi-do 13554 Korea (Republic Of)
Manufacturer	:	Suprema Inc.
Address	:	17F-5, Parkview officetower, 248, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do 13554 Korea (Republic Of)
Laboratory	:	KCTL Inc.
Address	:	65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea
Accreditations	:	FCC Site Designation No: KR0040, FCC Site Registration No: 687132
		VCCI Registration No. : R-20080, G-20078, C-20059, T-20056
		CAB Identifier: KR0040, ISED Number: 8035A
		KOLAS No.: KT231

2. Device information

Equipment under test	:	BioStation2
Model	:	BS2-OMPW
Derivative model	:	BS2-OIPW
Modulation technique	:	ASK (NFC), WIFI(802.11b/g)_DSSS, OFDM
Number of channels	:	1 ch (NFC), 11 ch(WIFI(802.11b/g))
Frequency range	:	13.56 Mz (NFC)
		2 412 Mb ~ 2 462 Mb (WIFI(802.11b/g))
Power source	:	DC 12 V
Antenna specification	:	PCB Loop Antenna (<mark>NFC)</mark>
		FPCB ant <mark>enna (WIFI(802.11</mark> b/g))
Antenna gain	:	2.10 dBi (WIFI(802.11b/g))
Software version	:	V1.2
Hardware version	:	V1.2
Operation temperature	:	-20 °C ~ 50 °C
Test device serial No.	:	N/A

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2.1. Information about derivative model

The difference between basic model and derivative models is:

All models are made up by same H/W, F/W and compared with basic mode. Based on the base model, variant models Added HID license for a specific card. The firmware is the same for each model, but the license is activated / deactivated by registering the model name.

2.2. Frequency/channel operations

This device contains the following capabilities: NFC (13.56 Mz), WIFI (802.11b/g)

Ch.	Frequency (Mz)		
01	13.56		

Table 2.2.1. NFC



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3. Antenna requirement

Requirement of FCC part section 15.203:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

Requirement of RSS-Gen Section 6.8:

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below).

When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer.

The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested.

Immediately following the above notice, the manufacturer shall provide a list of all antenna types which can be used with the transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna type.

-The transmitter has permanently attached PCB Loop Antenna (internal antenna) on board.

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4. Summary of	tests
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FCC Part IC Rule section(s) reference		Parameter	Test Condition	Test results
15.225(a)	RSS-210 B.6 ()	In-band Fundamental Emission		Pass
15.225 (b), (c)	RSS-210 B.6 (II),(III)	In-band Spurious Emission	Radiated	Pass
15.225(d) 15.209	RSS-210 B.6 (Ⅳ) RSS-Gen (8.9)	Out-of-band Spurious Emission		Pass
15.225(e)	RSS-210 B.6 (b)	Frequency Stability Tolerance		Pass
15.215(c)	-	20 dB Bandwidth	Conducted	Pass
-	RSS-Gen (6.7)	Occupied Bandwidth	Conducted	Pass
15.207(a)	RSS-Gen (8.8)	AC Conducted emissions		N/A ²⁾

Notes: (N/T: Not Tested, N/A: Not Applicable)

- 1. All modes of operation and data rates were investigated. The test results shown in the following sections represent the worst case emissions.
- 2. This test is not applicable because the EUT only connects DC power line.
- 3. These tests were performed other than open field site, adequate comparison measurements were confirmed against 30 m open field 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.
- 4. The fundamental of the EUT was investigated in three orthogonal orientations X, Y and Z. It was determined that **Y** orientation was worst-case orientation. Therefore, all final radiated testing was performed with the EUT in **Y** orientation.
- 5. The test procedure(s) in this report were performed in accordance as following.
 ANSI C63.10-2013
- 6. The measurement facility is compliant with the test site requirements specified in ANSI C63.4-2014.
- 7. The radiated test was performed with and without passive tag. The test results shown in the following sections represent the worst case emissions.
 - Worst Case : Without passive tag

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5. Measurement uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.10-2013.

All measurement uncertainty values are shown with a coverage factor of k=2 to indicated a 95 % level of confidence. The measurement data shown herein meets of exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and thus, can be compared directly to specified limits to determine compliance.

Parameter	Expanded uncertainty (±)			
Redicted enurious emissions	9 kHz ~ 30 MHz:	2.3 dB		
Radiated spurious emissions	30 MHz ~ 1 000 MHz	2.2 dB		
Conducted emissions	9 kHz ~ 150 kHz	3.7 dB		
	150 kHz ~ 30 MHz	3.3 dB		



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6. Test results 6.1. 20 dB Bandwidth & 99% Bandwidth

Test setup

EUT Spectrum

<u>Limit</u>

According to §15.215(c) Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

According to RSS-Gen Issue 5 (6.7) The emission bandwidth (x dB) is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated x dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth.

When the occupied bandwidth limit is not stated in the applicable RSS or reference measurement method, the transmitted signal bandwidth shall be reported as the 99% emission bandwidth, as calculated or measured.

Test procedure

ANSI C63.10 - Section 6.9.2

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Test settings

The occupied bandwidth is measured as the width of the spectral envelope of the modulated signal, at an amplitude level reduced from a reference value by a specified ratio (or in decibels, a specified number of dB down from the reference value). Typical ratios, expressed in dB, are $-6 \, dB$, $-20 \, dB$, and $-26 \, dB$, corresponding to 6 dB BW, 20 dB BW, and 26 dB BW, respectively. In this subclause, the ratio is designated by "-xx dB." The reference value is either the level of the unmodulated carrier or the highest level of the spectral envelope of the modulated signal, as stated by the applicable requirement. Some requirements might specify a specific maximum or minimum value for the "-xx dB" bandwidth; other requirements might specify that the "-xx dB" bandwidth be entirely contained within the authorized or designated frequency band.

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency.
- b) Span: Two times and five times the OBW.
- c) RBW = 1 % to 5 % of the OBW and VBW \ge 3 x RBW
- d) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation.
- e) The dynamic range of the instrument at the selected RBW shall be more than 10 dB below the target "-xx dB down" requirement; that is, if the requirement calls for measuring the -20 dB OBW, the instrument noise floor at the selected RBW shall be at least 30 dB below the reference value.
- f) Detector: peak
- g) Trace mode: max hold.
- h) Allow the trace to stabilize.
- i) Determine the "-xx dB down amplitude" using ((reference value) xx). Alternatively, this calculation may be made by using the marker-delta function of the instrument.
- j) If the reference value is determined by an unmodulated carrier, then turn the EUT modulation ON, and either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise, the trace from step g) shall be used for step j)
- k) Place two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the "-xx dB down amplitude" determined in step h). If a marker is below this "-xx dB down amplitude" value, then it shall be as close as possible to this value. The occupied bandwidth is the frequency difference between the two markers. Alternatively, set a marker at the lowest frequency of the envelope of the spectral display, such that the marker is at or slightly below the "-xx dB down amplitude" determined in step h). Reset the marker-delta function and move the marker to the other side of the emission until the delta marker amplitude is at the same level as the reference marker amplitude. The marker-delta frequency reading at this point is the specified emission bandwidth.

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Test results

Frequency [Mtz]	20 dB Bandwidth [Mtz]		20 dB Bandwidth [₩z]		Limit [Mtz]	20 dB Bandwidth [kl/z]	Occupied Bandwidth (99 % BW) [柮]
13.56	Lowest Frequency	13.524 1	13.110 000	74.00	0.280.610		
	Highest Frequency	13.595 3	14.010 000	11.22	0.369 010		





Note:

Because the measured signal is CW/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

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6.2. Frequency tolerance

Test setup



<u>Limit</u>

According to \$15.225 (e), RSS-210 B.6.(b) The frequency tolerance of the carrier signal shall be maintained within ±0.01 % of the operating frequency over a temperature variation of -20 degrees to +50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85 % to 115 % of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

Test procedure

ANSI C63.10-2013 - Section 6.8.1



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Test results

Voltage Voltage		ТЕМР	Maintaining	Measure frequency	Frequency deviation	Deviation
[%]	[V]	[°C]	time	[Hz]	[Hz]	[%]
			Startup	13 559 875	125.0	-0.000 92
		OO(D - f)	2 minutes	13 559 900	100.0	-0.000 74
		20(Ref.)	5 minutes	13 559 858	142.0	-0.001 05
			10 minutes	13 559 951	49.0	-0.000 36
			Startup	13 560 128	-128.0	0.000 94
		20	2 minutes	13 560 887	-887.0	0.006 54
		-20	5 minutes	13 560 758	-758.0	0.005 59
			10 minutes	13 560 801	-801.0	0.005 91
			Startup	13 560 421	-421.0	0.003 11
		10	2 minutes	13 560 286	-286.0	0.002 11
		-10	5 minutes	13 560 410	-410.0	0.003 02
			10 minutes	13 560 365	-365.0	0.002 69
			Startup	13 559 725	275.0	-0.002 03
		0	2 minutes	<mark>13 55</mark> 9 910	90.0	-0.000 66
		0	5 minutes	13 559 985	15.0	-0.000 11
			10 minutes	13 55 <mark>9 82</mark> 4	176.0	-0.001 30
			Startup	13 559 <mark>922</mark>	78.0	-0.000 58
100	12.00	10	2 minutes	13 559 <mark>825</mark>	175.0	-0.001 29
100	12.00	10	5 minutes	13 559 <mark>908</mark>	92.0	-0.000 68
			10 minutes	13 559 931	69.0	-0.000 51
			Startup	13 559 716	284.0	-0.002 09
		25	2 minutes	13 559 836	164.0	-0.001 21
		25	5 minutes	13 559 945	55.0	-0.000 41
			10 minutes	13 559 915	85.0	-0.000 63
		30	Startup	<mark>13 5</mark> 59 885	115.0	-0.000 85
			2 minutes	<mark>13</mark> 559 788	212.0	-0.001 56
			5 minutes	13 559 603	397.0	-0.002 93
			10 minutes	13 559 631	369.0	-0.002 72
		40	Startup	13 559 736	264.0	-0.001 95
			2 minutes	13 559 666	334.0	-0.002 46
			5 minutes	13 559 634	366.0	-0.002 70
			10 minutes	13 559 715	285.0	-0.002 10
			Startup	13 559 112	888.0	-0.006 55
		50	2 minutes	13 559 087	913.0	-0.006 73
		50	5 minutes	13 559 335	665.0	-0.004 90
			10 minutes	13 560 138	-138.0	0.001 02
			Startup	13 560 022	-22.0	0.000 16
85	10.20	20	2 minutes	13 560 017	-17.0	0.000 13
00	10.20	20	5 minutes	13 560 035	-35.0	0.000 26
			10 minutes	13 560 155	-155.0	0.001 14
			Startup	13 560 036	-36.0	0.000 27
115	13.80	20	2 minutes	13 560 038	-38.0	0.000 28
115		20	5 minutes	13 560 054	-54.0	0.000 40
			10 minutes	13 560 166	-166.0	0.001 22

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6.3. Radiated spurious emissions

Test setup

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



The diagram below shows the test setup that is utilized to make the measurements for emission from 30 Mz to 1 Gz emissions.



<u>Limit</u>

15.225 (a), RSS-210 B.6.(a).(i) The field strength of any emission within the band 13.553-13.567 № shall not exceed 15, 848 microvolts/meter at 30 meters.

15.225 (b), RSS-210 B.6.(a).(ii) With in the bands 13.410-13.553 Mz and 13.567-13.710 Mz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.

15.225 (c), RSS-210 B.6 (a).(iii) With in the bands 13.110-13.410 Mz and 13.710-14.010 Mz, the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.

15.225 (d), RSS-210 B.6.(a).(iv) RSS-Gen Issue 9 (8.9) The Field Strength of any emissions appearing outside of the 13.110-14.010 Mz band shall not exceed the general radiated emission limits in 15.209.

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Frequency (쌘)	Field Strength (µ/m)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30(29.54 dBµV/m)	30
30.0-88.0	100(40 dBµN/m)	3
88-216	150(43.5 dBµN/m)	3
216-960	200 (46 dBµN/m)	3
Above 960	500 (53.98 dBμV/m)	3

Test procedure

ANSI C63.10-2013 - Section 6.4, 6.5

Test settings

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = as specified in table
- 3. VBW ≥ 3 x RBW
- 4. Detector = peak
- 5. Sweep time = auto couple
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

Table. RBW as a function of frequency

Frequency	RBW
9 kHz to 150 kHz	200 Hz to 300 Hz
0.15 MHz to 30 MHz	9 kHz to 10 kHz
30 Mt to 1 000 Mt	100 kHz to 120 kHz
> 1 000 MHz	1 MHz

Notes:

- 1. f < 30 M/z, extrapolation factor of 40 dB/decade of distance. $F_d = 40\log(D_m/Ds)$ $f \ge 30$ M/z, extrapolation factor of 20 dB/decade of distance. $F_d = 20\log(D_m/Ds)$
 - Where:
- F_d = Distance factor in dB
- D_m= Measurement distance in meters
- D_s= Specification distance in meters
- Measurements were performed at 3m and the data was extrapolated to the specified measurement distance of 30m using the square of an inverse linear distance extrapolation factor (40 dB/decade) as specified in § 15.31(f)(2). Extrapolation Factor = 40 log10(30/3) = 40 dB.
- 3. Factors(dB) = Antenna factor(dB/m) + Cable loss(dB) + or Amp. gain(dB) + or $F_d(dB)$
- 4. Result = Reading + Cable loss + Amp gain + Ant. factor Distance factor
- 5. The worst-case emissions are reported however emissions whose levels were not within 20 $\,\rm dB$ of respective limits were not reported.
- 6. All measurements were recorded using a spectrum analyzer employing a quasi-peak detector.
- 7. Below 30 Mb frequency range, all orientations about parallel, perpendicular, and ground-parallel were investigated then reported and the worse orientations of Face-on and Face-off were set for final test.
- 8. Face-on = Parallel, Face-off = Perpendicular
- 9. ¹⁾ means restricted band

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Test results for fundamental

15.225 (a) 13.553-13.567 Mtz

[Face-on]

Frequency	Reading	Antenna Factor	Amp. + Cable	Distance Factor	Result	Limit	Margin
(MHz)	(dB(µN))	(dB)	(dB)	(dB)	(dB(<i>µ</i> V/ m))	(dB(<i>µ</i> N/ m))	(dB)
			Quasi p	eak data			
13.56	94.70	20.2	-31.09	40.00	43.81	84.00	40.19

[Face-off]

Frequency	Reading	Antenna Factor	Amp. + Cable	Distance Factor	Result	Limit	Margin
(MHz)	(dB(µN))	(dB)	(dB)	(dB)	(dB(<i>µ</i> V/ m))	(dB(<i>µ</i> V/ m))	(dB)
			Quasi p	eak data			
13.56	83.60	20.2	-31.09	40.00	32.71	84.00	51.29

	Face-on/Face-off																						
														(\mathfrak{D}^{-}								
															X								
														· · · ·									
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,																				 	 		

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Test results for in-band & out-band (9 kt to 30 Mt)

15.225 (b,c) 13.110-14.010 Mtz

[Face-on]

Frequency	Reading	Antenna Factor	Amp. + Cable	Distance Factor	Result	Limit	Margin
(MHz)	(dB(µN))	(dB)	(dB)	(dB)	(dB(<i>µ</i> V/ m))	(dB(<i>µ</i> V/ m))	(dB)
			Quasi p	eak data			
13.400	58.80	20.20	-31.09	40.00	7.91	40.50	32.59
13.549	65.70	20.20	-31.09	40.00	14.81	50.50	35.69
13.571	64.60	20.20	-31.09	40.00	13.71	50.50	36.79
13.777	60.30	20.20	-31.08	40.00	9.42	40.50	31.08

[Face-off]

Frequency	Reading	Antenna Factor	Amp. + Cable	Distance Factor	Result	Limit	Margin
(MHz)	(dB(µN))	(dB)	(dB)	(dB)	(dB(<i>µ</i> N/ m))	(dB(<i>µ</i> N/ m))	(dB)
			Quasi p	eak data			
13.22	40.40	20.20	-31.10	40.00	<mark>-10.</mark> 50	40.50	51.00
13.55	61.10	20.2 <mark>0</mark>	-31.09	40.00	10.21	50.50	40.29
13.57	54.70	20.20	-31.09	40.00	3.81	50.50	46.69
13.74	43.50	20.20	-31.08	40.00	-7.38	40.50	47.88

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Test results (9 kt/z to 30 Mt/z)

15.225 (d) 0.009-30 Mtz

[Face-on]

Frequency	Reading	Antenna Factor	Amp. + Cable	Distance Factor	Result	Limit	Margin							
(MHz)	(dB(µV))	(dB)	(dB)	(dB)	(dB(<i>µ</i> V/ m))	(dB(<i>µ</i> V/ m))	(dB)							
	Quasi peak data													
12.98	43.10	20.20	-31.10	40.00	-7.80	29.54	37.34							
11.20	37.50	20.20	-31.16	40.00	-13.46	29.54	43.00							

[Face-off]

Frequency	Reading	Antenna Factor	Amp. + Cable	Distance Factor	Result	Limit	Margin						
(MHz)	(dB(µV))	(dB)	(dB)	(dB)	(dB(<i>µ</i> V/ m))	(dB(<i>µ</i> V/ m))	(dB)						
Quasi peak data													
23.75	45.20	20.75	-30.72	40.00	-4.77	29.54	34.31						
24.24	39.60	20.77	-30.70	40.00	-10.33	29.54	39.87						

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Test results (Below 1 000 Mb)

15.225 (d) 30-1000 Mz

Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	Distance Factor	Result	Limit	Margin
(MHz)	(V/H)	(dB(µV))	(dB)	(dB)	(dB)	(dB(<i>µ</i> V/ m))	(dB(<i>µ</i> V/ m))	(dB)
			Qı	uasi peak da	ata			
39.70	V	36.80	19.16	-30.22	-	25.74	40.00	14.26
111.48	V	41.90	17.32	-28.87	-	30.35	43.50	13.15
262.80	V	38.80	18.58	-27.01	-	30.37	46.00	15.63
311.30	Н	40.10	19.39	-26.49	-	33.00	46.00	13.00
408.30	V	42.80	21.82	-25.62	-	39.00	46.00	7.00
456.80	V	42.50	22.55	-25.23	-	39.82	46.00	6.18



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7. Measurement equipment				
Equipment Name	Manufacturer	Model No.	Serial No.	Next Cal. Date
Vector Signal Generator	R&S	SMBV100A	257566	22.07.09
Signal Generator	R&S	SMB100A	176206	22.01.20
Spectrum Analyzer	R&S	FSV30	100914	22.09.17
DC Power Supply	AGILENT	E3632A	KR94907664	22.05.10
Temp & Humid Chamber	Myeongseong R&P	CTHC-50P-DT	20150824-2	22.07.27
Bi-Log Antenna	TESEQ	CBL 6112D	55545	22.04.24
ATTENUATOR	KEYSIGHT	8491B-6dB	MY39271060	22.04.24
LOOP Antenna	R&S	HFH2-Z2	100355	22.08.21
AMPLIFIER	SONOMA	310N	186280	22.04.03
Antenna Mast	Innco Systems	MA4000-EP	303	N/A
Turn Table	Innco Systems	DT2000	79	N/A
ISOLATION TRANSFORMER	ONETECH CO., LTD	OT- <mark>IT500VA</mark>	OTR1-16026	22.04.02
EMI TEST RECEIVER	R&S	ESCI7	101408	22.08.19

End of test report